PHASE II ENVIRONMENTAL SITE ASSESSMENT

Limited Subsurface Investigation

August 26, 2015

Submitted for:

DFCI Solutions Inc. (Formerly Dzus Fasteners) Site
425 Union Boulevard
West Islip, New York 11795
Suffolk County Tax Assessor's Designation*: District 500, Section 455, Block 1, Lot 64.*

Submitted to:

425 Union Blvd, LLC
444 Route 111
Smithtown, New York 11787

Report User:

425 Union Blvd, LLC
444 Route 111
Smithtown, New York 11787

Project Number:
7655-01-04-4001

IMPACT ENVIRONMENTAL | 170 Keyland Court | Bohemia | New York | 11716 | 631.269.8800

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1 EXECUTIVE SUMMARY

This executive summary presents the results of the Phase II Environmental Site Assessment performed on the Site located at 425 Union Boulevard, within the Hamlet of West Islip in the Town of Islip, Suffolk County, New York. This assessment was performed in accordance with the recommendations presented in the *January 29, 2015 Phase I Environmental Site Assessment Report* prepared by Impact Environmental Closures, Inc. Said assessment identified recognized environmental conditions requiring supplemental data to further define the environmental quality of the Site. A supplementary State (NYSDEC) and County (NCDOH) regulatory file review conducted on September 15, 2014. Said supplementary file review provided additional information in regards to the historic environmental quality of the Site and provided additional focus to address potential onsite areas of concern in the Phase II Environmental Site Assessment scope of work. The scope of the Phase II Environmental Site Assessment consisted of: 1) conducting a remote sensing survey to determine whether UST(s) and other underground structures are still present on the Site; and 2) conduct a limited on-site subsurface investigation to define the nature and extent of contamination present in the subsurface soil and/or groundwater of the Site.

Between August 3, 2015, and August 14, 2015, Impact Environmental installed and collected soil samples from fifty-three (53) soil probes and groundwater eight (8) temporary well points. In addition, groundwater samples were collected from six (6) existing onsite monitoring wells. Furthermore, sediment samples were collected from six (6) existing drywells, located at the eastern extent of the Site. The soil, sediment and groundwater samples were analyzed at an ELAP-accredited analytical laboratory.

The results of the abovementioned sampling analyses are summarized as follows:

The *recognized environmental condition related to the environmental conditions beneath the Main Plant Building was* addressed by sub-slab soil sample collection and analyses. Elevated concentrations of total metals at concentrations above NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives were detected in soil samples collected beneath the Main Plant Building (Raw Stock Storage Area and Sand-Blasting Area. The environmental conditions within and beneath the Main Plant Building will be reportedly addressed by the Site Owner, concurrent with upcoming RCRA Closure and permanent Site decommissioning related investigation work. Adjustments to the investigative scope of work within the proposed RCRA Closure work plan may be required by NYSDEC, after a review of this report, to address any deficiencies within the work plan. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition related to the environmental conditions within the northern section of the Site was* addressed by soil sample and groundwater collection and analyses. Residual total metal impacts in soil, at concentrations above applicable NYSDEC Part 375 Soil Cleanup Objectives were observed, proximal to the southern extent of the former Electroplating/Anodizing/Wastewater Pretreatment Buildings, and proximal to the former industrial wastewater recharge basin. Said areas of the Site were reportedly remediated as part of the OU-1 Remedy for the Site. However, said areas should be addressed, concurrent with the reported soil excavation work to be performed within and adjacent to the neighboring Heat Treatment Building, as part of the RCRA Closure work. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition* related to the former process coolant water well was addressed by a remote sensor survey. Unfortunately, no remnants of said well were identified during the survey. If said well is encountered during Site redevelopment work, it is recommended to abandon said well in accordance with NYSDEC CP-43 protocols and procedures. No further actions related to this REC are recommended at this time.

The *recognized environmental condition* related to the Hazardous Waste Storage Building could not be addressed during this work. At the time of the work, said SCDHS Chemical Bulk Storage Building was actively registered with the Department, and potential coordination with the Department in regards to the sub-slab sampling and restoration of this building could not be achieved within the expedited time frame to conduct the work. It is expected that the environmental conditions beneath this building will be addressed concurrent with the RCRA Closure and Decommissioning work for this Site. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental conditions* related to the environmental conditions within the Plastic Injection Molding building was addressed by soil sample collection and analyses. The evaluation of the former sanitary structure associated with this building was addressed by the Site Owner and will be remediated as part of the RCRA Closure work. Chlorinated solvent related VOCs were detected in soil samples collected beneath the Plastic Injection Molding Building, but at concentrations well below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition* in regards to the former Metal Chip Drum Storage Area with associative former drywell and western recharge basin was addressed by soil sample collection and analyses. Both of said areas were previously remediated as part of the OU-1 remedy for the Site. However, soil sampling results within and proximal to said areas indicate that elevated concentrations of total cadmium and total arsenic (recharge basing only) exist in soil within said areas. It was reported that the additional soil excavation work would be performed within the recharge basin area, as part of the RCRA Closure work, but not within the former Metal Chip Drum Storage area. In addition, volatile organic impacts were detected within both areas, presumably from the operation of the former Metal Chip Drum Storage Area and subsequent discharges to the former associated. It is recommended to review the scope of work for the upcoming RCRA closure work with NYSDEC and the Site owner, to ensure that said areas are remediated as part of the work. In addition, it is recommended to employ engineering controls consistent with the *October 2006, New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York document*, concurrent with the construction of any new Site building(s) within and proximal to this area, to prevent against potential vapor exposure from residual contamination not completely addressed during the RCRA Closure and Site decommissioning closure work.

The *recognized environmental condition* in regards to the Site storm water drywells was addressed by sediment sample collection and analyses. Volatile organic, semi-volatile organic and total metal analytes were detected within sediment collected from said structures, but at concentrations below SCDHS SOP 9-95 Action Level concentrations. No remedial work in regards to said structures is currently required or recommended. If said structures are to be permanently decommissioned concurrent with RCRA Closure work and/or Site redevelopment work, it is recommended to coordinate said work with the NYSDEC and SCDHS jointly, based on the environmental history of the Site and current NYSDEC Registry Inactive Hazardous Waste Site listing.

The *recognized environmental condition* in regards to the former Site sanitary septic systems was addressed by groundwater sample collection and analyses. Prior to the start of the work, the Site owner stated that the remediation of two (2) of the three (3) impacted systems would be remediated concurrent with the RCRA Closure work. Groundwater sample collection to the apparent downgradient of one said impacted system detected trace concentrations of chlorinate solvent, well below NYSDEC TOGS 1.1.1 Class GA groundwater standards. It is recommended to review the RCRA Closure scope of work related to the remediation of said sanitary systems with NYSDEC to confirm the extent of the remedial work to be performed.

Elevated concentrations of tetrachloroethylene, at concentrations above NYSDEC TOGS 1.1.1 Class GA Groundwater Standards, was detected in a groundwater sample collected from monitoring well MW-2 as part of this work. Said well is located to the south of the western parking lot, reportedly hydraulically downgradient from the former Electroplating/Anodizing/Wastewater Pretreatment buildings and potentially downgradient from the former industrial wastewater drywell. Historic Site investigation reports indicate that chlorinated VOCs were

detected in samples collected from this this well, at concentrations above TOGS 1.1.1 Class GA groundwater standards. Upon completion of the RCRA Closure and Site decommissioning work and subsequent transfer of ownership of this Site, potential Site redevelopment work is reported to occur within the footprint of southwest corner of the Main Plant Building (located between well MW-2 and the former Electroplating/Anodizing/Wastewater treatment buildings). Said redevelopment work is likely to require dewatering to facilitate development-related saturated soil excavation. The potential exists for hazardous concentrations of dissolved phase chlorinated solvent contaminated groundwater to be encountered during said dewatering work. It is recommended to conduct a subsequent groundwater investigation, proximal to the southwestern section of the Main Plant Building to determine whether the potential for chlorinated impacted groundwater during dewatering work exists. It is unclear whether said work will be performed as part of the RCRA Closure and decommissioning of the Site.

2 PURPOSE & SCOPE

This Phase II Environmental Site Assessment (ESA) was conducted to define the nature and extent of contaminants which have impacted the environmental quality of the property located at 425 Union Boulevard, within the Hamlet of West Islip in the Town of Islip, Suffolk County, New York, herein identified as the "Site". The scope of this investigation was based on the recommendations presented in the Phase I ESA report prepared by Impact Environmental dated January 29, 2015. Said assessment identified issues requiring supplemental data to further define the environmental quality of the Site.

The investigative protocols proposed for this assessment were based, in part, upon the following documents: 1) the NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations; 2) the NYSDEC, Sampling Guidelines and Protocols, Technical Background and Quality Control Assurance for the NYSDEC Spill Response Program, dated September 1992; 3) the NYSDEC, Division of Environmental Remediation, DER-10 Technical Guidance For Site Investigation and Remediation, dated May 3, 2010; 4) the USEPA Region One Underground Injection Control Cleanup Objective Guidance document; and 4) the NYSDEC CP-51 Soil Cleanup Guidance document.

Presented herein are the results of the Phase II Environmental Site Assessment conducted by Impact Environmental on the Site.

3 SITE DESCRIPTION

All of the information presented in this section of the report was compiled during the performance of the Phase I ESA, prepared by Impact Environmental dated January 29, 2015.

The Site consists of a single lot, on an irregular-shaped parcel, located in an area comprised of mixed retail and commercial properties, within the Hamlet of West Islip in the Town of Islip, Suffolk County, New York. The lot area of the Site is approximately 4.08 acres in size, with the approximate lot area 2.33 acres comprising the western section of the Site. The Site is developed with an existing main plant building; the first section of the main plant building was constructed in 1937, with several building additions constructed between 1939 and 1984. Basement areas are found within the western and eastern extents of the modified main plant building. Several smaller buildings, consisting of a warehouse, guard house, hazardous waste storage, process water tank vault and heat treatment manufacturing buildings are located to the north and west of the main plant building. Commercial development of the Site reportedly proceeded in 1937, with the construction of the Main Plant building.

Potable water is provided to the Site by Suffolk County Water Authority. The Site exhibits at-grade low topographic relief (less than three percent slope). Potable water is provided to the Site by Suffolk County Water Authority. The Site building is served by the Suffolk County Department of Public Works sewer system, consisting of three (3) sanitary outfalls originating from the southern extent of the main plant building. Remnants of three (3) former onsite sanitary septic systems were identified to said sewer outfalls. The Site buildings are heated by natural gas baseboard and ceiling mounted forced air heaters. Six (6) grated leaching structures were identified at the eastern section of the Site. Said structures are utilized to collect and convey surface water to the subsurface.

The surface area of the Site consists of bituminous asphalt and concrete paved and parking areas. The site is bound to the north by the Long Island Rail Road; to the south by Union Boulevard, followed by retail and residential properties; to the west by light commercial and residential properties; and to the east by Union Boulevard and the Long Island Railroad. The Site exhibits low topographic relief (less than three percent slopes), with an approximate elevation of between 18 and 21 feet above mean sea level. A review of United States Geologic Service (USGS) the topographic map for the Site and surrounding areas (USGS – Bay Shore West, New York Quadrangle) in concert with the USGS water table elevation model for said area, indicates that the regional groundwater flow direction within and proximal to the Site ranges between the apparent south by southwest. The estimated onsite depth to the water table, based upon the abovementioned map and model, is approximately eleven (11) and fourteen (14) feet above mean sea level and approximately between four (4) and eleven (11) feet below land surface (BLS).

3.1 Land Use

The Site is developed with an existing main plant building; the first section of the main plant building was constructed in 1937, with several building additions constructed between 1939 and 1984. Several smaller buildings, consisting of a warehouse, guard house, hazardous waste storage, process water tank vault and heat treatment manufacturing buildings are located to the north and west of the Main Plant building. Currently, onsite manufacturing operations have ceased and all related manufacturing machinery and related equipment were removed from within the Site buildings.

3.2 Recognized Environmental Conditions

Impact Environmental performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of the Site under contract to by 425 Union Blvd., LLC ("The Client"). The following recognized environmental conditions were identified by Impact Environmental as part of the Phase I ESA and are described below:

The Site is currently under the terms and conditions of a submitted Declaration of Covenants and Restrictions document, related to the Site's Class 4 listing on the Registry of Inactive Hazardous Waste Site in New York State and resultant institutional controls enacted and enforced at the eastern section of the Site. Remedial work conducted onsite was performed and completed to the satisfaction of the New York State Department of Environmental Conservation (NYSDEC), pursuant to the scope of work cited within the March 1995 NYSDEC Record of Decision Operable Unit 01 document. Said remedial remedy components included:

- The stabilization of onsite cadmium contaminated soil at concentrations greater than 10 ppm, reportedly identified beneath the former process wastewater effluent discharge leaching structures and beds, former wastewater pretreatment oil-water separator, and effluent discharge piping located within the eastern section of the Site.
- Installation of a final asphalt cap cover over said stabilized areas upon completion of the soil stabilization work.
- Implement institutional controls to protect the integrity of the treated soil.

Upon completion of the OU-1 remedial work, the Department issued a correspondence to Dzus Fasteners Company, Inc. on February 1, 2001, stating that the remedial objectives were completed for Operable Units 1 and 2. However, prior to the delisting of the Site from Class 2 to Class 4 (long-term monitoring only), Dzus Fasteners Company, Inc. must file a Declaration of Covenants and Restrictions for the Site, thereby restricting the use of the

Site, specifically, the capped in place cadmium soil area at the eastern section of the Site, in order to fulfill the institutional control requirements as part of the OU-1 Record of Decision. Dzus Fasteners Company, Inc. complied with the Department's request and said Declaration of Covenants and Restrictions statement was filed and recorded with the Suffolk County Clerk's office on June 9, 2004. Said statement included the following restrictions for the Site:

- The treatment cell area (stabilized contaminated soil area) located within the eastern section of the Site must not be disturbed unless authorized by the Department.
- The Declaration of Covenants and Restrictions statement encompasses the entire Site (not limited to the Treatment Cell area), and shall be binding upon all future owners of said Site.
- Onsite groundwater usage is prohibited, unless approval is granted by the appropriate regulatory agency.
- NYSDEC has the right to access the Site for the purpose of collecting groundwater samples as part of the monitoring phase for the Remedy.

Although said institutional controls are not binding to the western and central portions of the Site, redevelopment of the western and/or central sections of the Site must first be approved by the NYSDEC prior to implementation, as per the terms within the Declaration of Covenants and Restrictions document.

The following Recognized Environmental Conditions (RECs) were identified as a result of the Phase I ESA work and reported in the *January 29, 2015 Phase I Environmental Site Assessment Report*:

1. Site operations within the Main Plant Building historically and currently consist of the manufacturing of metal and plastic fasteners and springs. Said operations utilize cutting and lubricant oils, alkali cleaners and to a lesser extent, acidic solutions as part of its processes. The Site historically utilized electroplating and anodizing techniques as part of its processes. Incidental releases to the floors within the manufacturing sections of said Main Plant Building were observed. The potential for subsurface impacts to exist beneath the Main Plant Building due to historic and present operations represents a *recognized environmental condition*. The usage of said chemicals and generation of related wastes have led to the Site listed by the USEPA as a large quantity generator of hazardous materials. Concurrent with said listing, regulatory (RCRA) closure related decommissioning of said manufacturing equipment, raw stock/virgin chemicals and related wastes are to be performed under the direction of the NYSDEC Region One Solid Waste Management Division. Also required will be subsequent building cleansing and confirmatory sampling at and beneath the building slab. Said parts tumbling, assembly and storage areas will likely fall under the RCRA closure protocols and will be required to be performed upon cessation of current Site

operations. It is the responsibility of the current Site owner to coordinate and performed said RCRA closure work.

2. Historic environmental work was performed upon the decommissioning, RCRA Closure preparation and demolition of the former electroplating, anodizing and wastewater pretreatment buildings. Said buildings are located adjacent to the northeastern extent of the western section of the Site. Residual contamination in the substratum was reported at concentrations that are above current regulatory soil clean up objectives. However it appears that metals appear to have been the primary concern in regards to the endpoint sampling analyses. In addition, reported illegal releases from said electroplating building in concert with the improper storage of containerized plating waste, spent cutting/lubricating oils, and caustic cleansers were reported by regulatory agencies, proximal to said buildings. The potential for subsurface impacts to exist proximal to the northeastern extent of the western section of the Site, due to historic and present operations represents a *recognized environmental condition*. It is recommended to conduct a subsurface investigation within the perimeter of the current heat treatment building and the footprint of the former electroplating/wastewater pretreatment buildings to determine whether potential subsurface contamination not addressed as part of the Site remedy currently exists.

3. A former industrial effluent leaching structure was identified adjacent to the current heat treatment building. Initial investigation analyses indicated that solids within and adjacent to said structure were detected at concentration below current regulatory cleanup objectives. However, there is no documentation in regards to the abandonment/closure of said leaching structure (Class V, well code 5D2, drainage drywells, as defined under the USEPA Underground Injection Control Program). The potential exists for petroleum/chemical impacts at Site grade to be conveyed into said leaching structures. Said potential impacts, in concert with the lack of Departmental records available for review, represents a *recognized environmental condition*. It is recommended to conduct a geophysical survey over the reported footprint of said structure to determine whether said structure was abandoned in accordance with USEPA/SCDHS Underground Injection Control protocols and procedures. In addition, if said structure is determined to exist after said geophysical survey, it is recommended to properly abandon said structure under the direction of the SCDHS.

4. A process coolant well was identified as part of the regulatory document review and confirmed by Ms. Olivia Marie of DFCI Solutions, Inc. A review of Site Plans submitted to the SCDHS indicated the existence said well, located adjacent to the Hazardous Waste Storage building. No available Departmental records were available in regards to the decommissioning of said well. The potential exists for subsurface infiltration and direct discharge of at grade petroleum/chemical releases at grade through said structure.

The potential impact to the subsurface through said leaching structures, in concert with the lack of regulatory information available for review represents *recognized environmental condition.* It is recommended to conduct a geophysical survey over the reported footprint of said well to determine whether said structure was abandoned in accordance with NYSDEC Well Abandonment protocols and procedures. In addition, if said structure is determine to exist after said geophysical survey, it is recommended to properly abandon said well under the direction of the NYSDEC.

5. A Hazardous Waste Storage Building was identified during the Site inspection. Said storage building is located proximal to the Heat Treatment building and containerized waste found store within said building. Historic SCDHS regulatory documentation indicates that at said waste containment structure was in serious disrepair while in use. In addition, Ms. Marie identified the previous use of said building as a transformer building which provided power sections of the Main Plant Building, the Heat treatment Building and the former Electroplating/Wastewater pretreatment building. Said electrical requirement may have contained polychlorinated biphenyl (PCB) based coolant oil. The potential of a release to the subsurface from said former electrical equipment and/or release of hazardous waste to the substratum prior to renovation represents a *recognized environmental condition*. It is recommended to conduct a subsurface investigation within and surrounding said building to determine whether past operations have impacted the environmental quality of the Site. Said work may be performed concurrently with or independent of Site RCRA decommissioning and closure work.

6. A Plastic Injection Molding/Warehouse building was identified within the northwestern section of the Site. Inside said building containerized raw stock/waste cutting oil, lubricating oil, hydraulic fluid and potentially contaminated floor wash water was found staged on secondary containment pads on at grade within the building. Apparent releases and related residues were apparent within the warehouse and garage area section of the building. In addition, regulatory records indicate the existence of a sanitary cesspool beneath the floor of said building, without documentation of proper abandonment of said structure. The observed at grade releases and residues within said building in concert with the lack of documentation regards the abandonment said sanitary leaching structure (Class V, well code 5D2, drainage drywell, as defined under the USEPA Underground Injection Control Program) represents a *recognized environmental condition*. It is recommended to conduct a geophysical survey over the reported footprint of said structure to determine whether said structure was abandoned in accordance with USEPA/SCDHS Underground Injection Control protocols and procedures. In addition, if said structure is determined to exist after said geophysical survey, it is recommended to properly abandon said structure under the direction of the SCDHS. Furthermore, it is recommended to conduct a subsurface

investigation within said building to determine whether impacts to the subsurface exist, due to the current use of said building.

7. A Remedial Investigation was conducted in 1992, consisting of the collection of groundwater samples from existing monitoring wells, shallow surficial soil sampling from visually identified onsite areas of concern and subsurface soil boring and sample collection based on the environmental history of the Site. Resultant shallow excavation work was performed as part of the remedy, adjacent to the northern exterior of the abovementioned Plastic Injection Molding/Warehouse building, within the footprint of the former unregulated drum storage/Metal Chip Storage building and within the west-wing basement effluent leaching pool. Sampling analyses consisted of VOC, SVOC and total metal analytes. VOCs and SVOCs were detected in soil samples collected proximal to the former unregulated drum storage/ Metal Chip Storage building and within the footprint of a former accessory leaching structure. However, evidence of petroleum releases related to the storage of waste, oily metal chips in said area was apparent in the resultant soil boring logs associated with the abovementioned investigation work. It is unclear why the Department did not direct the Site owner to conduct additional investigation and/or soil excavation work. The presence of petroleum related release(s) within the substratum proximal to the abovementioned former structures represents a *recognized environmental condition*. It is recommended to conduct a subsurface investigation proximal to the former unregulated drum storage/Metal Chip Storage area and former accessory leaching structure to determine and delineate the current extent of petroleum related releases related to said former operations/structures.

8. Three (3) former sanitary systems are reportedly located to the south of the Main Plant Building. Regulatory documentation reported releases of metal-contaminated waste to said sanitary systems, at concentration above the Site's former SPDES discharge effluent limits. Regulatory information indicated that the central sanitary system historically received Tumbling Department process rinseate. In addition, there is no regulatory documentation in regards to the closure confirmation of said sanitary systems, upon connection to the Suffolk County sewer system. The potential impact to the subsurface through said leaching structures, in concert with reported discharges of metal-contaminated waste and process rinseate to said structures represents *recognized environmental condition.* It is recommended to conduct a geophysical survey over the reported footprint of said sanitary systems to the locations of all sanitary leaching structures associated with the abovementioned sanitary systems. If said structures are determined to exist after the geophysical survey, it is recommended to conduct a subsurface investigation within said sanitary structures to determine whether impacts to the environmental quality of the Site have occurred due to the abovementioned historic discharges to the subsurface. Furthermore, it is

recommended to properly abandon said structures in accordance with USEPA/SCDHS Underground Injection Control protocols and procedures, and under the direction and supervision of the SCDHS.

9. Five (5) storm water drywells were identified within the eastern parking lot section of the Site. The potential for subsurface impacts to exist within the leaching structures (Class V, well code 5D2, drainage drywells, as defined under the USEPA Underground Injection Control Program), due to the potential direct discharge of petroleum and/or chemical based contaminants to the subsurface. Said potential impact to the subsurface through said leaching structures represents *recognized environmental condition.* It is recommended to collect and analyze sediments from within each subsurface structure to determine whether said potential impacts to the subsurface have occurred.

The abovementioned RECs were utilized to develop a Phase II Environmental Site Assessment (Phase II ESA) Survey, Sampling and Analyses Plan, to address said RECs. The Survey, Sampling and Analyses Plan is presented in Section 4 of this report.

4 SURVEY, SAMPLING, AND ANALYSES PLAN

A survey, sampling and analysis program was developed to address the recognized environmental conditions identified in the January 29, 2015 Phase I ESA report (as summarized in Section 3.2 in this report).

The following Survey, Sampling and Analyses Plan was developed to attempt to confirm the completion of the historic environmental remediation work performed related to historic Site operations and determine whether post-remedial operations may have impacted the environmental quality of the subsurface. The geophysical survey was performed to determine whether any historic UST(s), process well(s) and/or former underground structures are still present on the Site, to determine the locations of former industrial process and metal chip storage leaching structures, and to concurrently identify underground utility lines, conduits and other subsurface structures proximal to the below mentioned soil boring locations. Fifty-three (53) soil borings were drilled in total as part of this work, with representative soil samples were collected from each of said soil borings Soil samples were screened for hydrocarbon content in the field and analyzed for volatile organic, semi-volatile organic and total metal analytes at an ELAP-accredited analytical laboratory. Groundwater samples were collected from six (6) existing onsite groundwater monitoring wells, and from eight (8) temporary monitoring points, installed utilizing Geoprobe drilling and sampling methods, and were analyzed for volatile organics at an ELAP-accredited analytical laboratory.

Said soil and temporary well point borings were installed:

- Beneath the building slab within the Main Plant Building and the Plastic Injection/Forming Building;
- Within the alleyway between the Main Plant building and the current Hazardous Waste Storage Building, Power Distribution Building, Heat Treatment Process Building and former Electroplating/Anodizing/Wastewater Treatment Buildings;
- Adjacent to the northeastern exterior extent of the Main Plant Building, proximal to the former Site oil-Water Separator and associative former leaching structures;
- Adjacent to the former Industrial Process wastewater leaching structure and former Metal Chip Storage Area leaching structure;
- Within and proximal to the former Metal Chip Storage Area;
- Proximal to and downgradient from a former sanitary septic system; and
- Within a reported impacted soil staging area, utilized during the OU-1 remedy.

Furthermore, sediment samples were collected from six (6) existing, onsite storm water drywell/leaching pool structures. A Western Section Site Plan and Eastern Section Site Plan, with all pertinent Site structural features and all soil, sediment and groundwater sampling locations are presented on **Figure 1** and **Figure 2,** respectively.

Pursuant to the request of the New York State Department of Environmental Conservation (NYSDEC), a Health and Safety Plan (HASP) with integral Community Air Monitoring Plan and Investigation Derived Waste (IDW) Management Plan was prepared for Department review, approved by the Department, and implemented during the work. A copy of the HASP with its integral components is presented in **Appendix A**.

4.1 Remote Sensing Survey

Between July 29, 2015 and July 30, 2015, a remote sensing survey was performed by On Point Locating, Inc. (On Point), under the auspices of Impact Environmental, over portions of the planimetric surface of the Site utilizing a GSSI model Utility Scan DF ground penetrating radar (GPR) system equipped with a dual 300 MHz/800 Mhz antenna.

A GPR system consists of a radar control unit, control cable and a transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 60 KHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulses into bipolar pulses that are radiated to the subsurface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit represented as color graphic images for interpolation. This system is capable of transmitting electromagnetic energy in the frequency range of 16MHz to 2000MHz.

A qualified technician specified a coordinate system on the planimetric surface of the Site to map any subsurface dielectric anomalies detected on the premises. The operator used knowledge of the subsurface soil composition to calibrate the GSSI Utility Scan DF system to site-specific conditions. Factor settings such as range, gain, number of gain points, and scans per unit, were modified to yield the most accurate data to describe the subsurface conditions. Upon finding a dielectric anomaly, a more spatially specific coordinate system was designed over the area to determine its size, shape and orientation. The data collected during the survey was reviewed by the operator and compared against past experience, technical judgment and prior site knowledge to classify the anomalies.

The following areas on the Site were surveyed:

1) Within the Main Plant Building, Hazardous Waste Storage Building, and Plastic Injection/Forming Building;
2) Within the northern exterior access way between the main plant building and the current/former accessory buildings;
3) Adjacent to the exteriors of the Hazardous Waste Storage Building, Process water Storage Building, Heat Treatment Building, Power Transfer Building and Former Electroplating/Anodizing/Wastewater Pretreatment Buildings;
4) Within the western and eastern Site parking lots and driveways;
5) Within the southern exterior of the Site, adjacent and proximal to the southern exterior extent of the Main Plant Building; and
6) Within the eastern undeveloped extent of the Site.

The analysis of the GPR survey data identified the following subsurface anomalies that could be interpreted to represent former USTs and/or other subsurface structures:

1. Several underground electric conduits were identified between the Heat Treatment Process Building and the Power Distribution Building. On Point technicians identified that electric power was potentially still active within said conduits. As a result, a planned soil boring within this location (Soil Boring SB-1) was removed from the sampling program. Due to the interference from the abovementioned underground electric conduits proximal to the potential location of a former diffusion supply well, said well was not identified.

2. Power was identified as active within the Power Distribution Building. Summarily, proposed soil boring SB-2 located within said building was removed from the sampling program due to this condition.

3. The northwestern extent of the remedial "capped" area was identified and delineated utilizing conventional spray paint. The locations of proposed temporary monitoring point TMP-8 and soil borings SB-55 and SB-56 were adjusted as not to disturb the "Engineering Controlled" section of the Site.

4. The locations of two former drywell leaching structures were identified during the survey. The remnants of an eight (8) foot diameter leaching structure (former industrial process water leaching structure) located between the Hazardous Waste Storage Building and the Process Water Storage Building, and the remnants of a six (6) foot diameter leaching structure (former drum storage leaching structure) located between the western recharge basin and the former drum storage leaching structure, were identified. In addition, remnants of a former trench that reportedly conveyed liquids from the former drum storage area to the former drum storage leaching structure, was identified.

5. Underground conveyance piping from the Main Plan Building west wing ejector sump to the western discharge basin was identified. The locations of proposed soil borings SB-23, SB-24 and SB-25 were adjusted accordingly.

6. Two anomalies were identified during the GPR survey, along the northwestern section of the Site. The first anomaly was identified adjacent to the northwestern exterior extent of the Main Plant Building, and the second anomaly was identified within the Garage Area section of the Plastic Injection Forming Building. Said anomalies were reported by On Point, to be either remnants/backfilled void space overlying a compressed substratum, with a metallic-like radar signature, potentially indicative of the footprints of former USTs, or remnants of former concrete structural supports and/or concrete pads. However, said

potential underground structures could not be confirmed by On Point; solely utilizing the remote sensing equipment.

7. Underground conduits, potentially remnants of the former process wastewater trench/closed loop system, were identified within the Main Plant Building. In addition, sanitary sewer piping was identified within the southern section of the Main Plant Building. The locations of proposed soil borings SB-34, SB-35, SB-41, SB-43, and SB-51 were adjusted accordingly.

8. Four (4) interconnecting storm water drywell/leaching structures were identified within the eastern parking lot. It appears that said structures are eight (8) feet in diameter and were approximately between thirteen (13) and seventeen (17) feet deep. Two additional storm water drywells were identified within this area, located to the southeast and east of the abovementioned interconnected drywell structures. Potable water lines from Union Boulevard to the southwestern extent of the Main Plant Building, and from the Main Plant Building to the Process Water Storage Building were identified.

9. Additional Underground electric conduits, potable water and sanitary sewer piping, and active storm water leaching structures were identified and marked out using conventional spray paint, typical of said identification work. Soil boring locations were adjusted based on said utility identifications.

10. No other underground structures were found in the developed areas of the Site.

The remote survey described above was performed in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. Impact Environmental does not accept responsibility for survey limitations due to inherent technological limitations or site specific conditions. In addition, underground utility lines were identified utilizing utility locating techniques and equipment. A resultant Remote Survey Job Report was prepared by On Point, and is presented in **Appendix B**.

4.2 Subsurface Soil Sampling

Between August 3, 2015, and August 6, 2015, Impact Environmental installed fifty-three (53) soil probes, identified as SB-4 through SB-58 (with the omission of SB-14 and SB-45), as part of this investigation. The soil probe sampling locations are presented in **Figure 1** and **Figure 2**, and the resultant soil probe boring logs are presented in **Appendix C**.

4.2.1 Subsurface Probe Installation

Forty-two (42) of the subsurface soil probes were installed using a Geoprobe hydraulically powered probing tool. Mechanized, vehicle mounted probe systems apply both static force and hydraulically powered percussion hammers for tool placement (static down forces up to 18,000 pounds combined with percussion hammers of eight horsepower continuous output). Recovery of large sample volumes was facilitated with a probe-driven sampler. The probe-driven sampler consisted of a hollow probe that opened via a remote control mechanism at the selected sampling depth in the soil profile to allow soil to enter as it was advanced. Discrete media samples were secured at the desired depths and were contained within a non-reactive transparent plastic sleeve that lined the hollow probe. The plastic sleeves were removed for subsequent inspection and sample aliquot acquisition.

Due to accessibility and head room limitations within the buildings and basements, the remaining eleven (11) subsurface soil samples were collected using a stainless steel hand auger soil sampling assembly at soil boring locations SB-8, SB-12, SB-13, SB-36 through SB-41, SB-57, and SB-58. Installation of soil boring SB-14 was attempted within in the asphalt driveway off the northwest corner of the main building. However, refusal was encountered one foot below grade and no sample was collected.

Prior to the installation of the soil probes, all areas of concrete slab (primarily within the buildings, basements, and atop the former drum storage area) were broken up using a jackhammer or concrete core drill, in order to provide uninhibited access to the subsurface soils.

Discrete soil samples were secured from each Geoprobe-installed boring in five (5) foot continuous increments, utilizing dedicated acetate liners for each interval, at each boring. Material collected from each boring increment were containerized for headspace analyses and subsequent laboratory analyses, and immediately placed in an iced cooler. The Geoprobe drill tooling was decontaminated utilizing an Alconox/distilled water wash solution and distilled water rinse between each boring, interval to prevent potential cross contamination. The resultant decontamination rinseate was containerized in DOT 55-gallon drums and staged within the Hazardous Waste Storage Building.

The soil probe locations for this investigation, with associated sample collection depths are as follows:

- Soil probe SB-4 was installed with a Geoprobe between grade and fifteen (15) feet below grade in the northern section of the Site, in the location of the former Industrial Process Wastewater leaching structure.
- Soil probe SB-5 was installed with a Geoprobe between grade and ten (10) feet below grade approximately 15 feet southwest of SB-4.

- Soil probe SB-6 was installed with a Geoprobe between grade and ten (10) feet below grade along the northern driveway south of the hazardous waste storage building.
- Soil probe SB-7 was installed with a Geoprobe between grade and fifteen (15) feet below grade in the southwest portion of the Site, approximately 25 feet southwest from the former outdoor drum storage area.
- Soil probe SB-8 was installed with a Geoprobe between grade and ten (10) feet below grade in the area off the north side of the raw stock/containerized petroleum storage building.
- Soil probe SB-9 was installed with a Geoprobe between grade and ten (10) feet below grade in the northeast portion of the raw stock/containerized petroleum storage area.
- Soil probes SB-10 and SB 11 were installed with a Geoprobe between grade and ten (10) feet below grade in the central portion of the raw stock/containerized petroleum storage building.
- Soil probes SB-12 and SB-13 were installed with a stainless steel hand auger between grade and seven (7) and seven and a half (7.5) feet below grade in the north and south portions of the plastic injection forming machinery area, respectively.
- Soil probe SB-15 was installed with a Geoprobe between grade and ten (10) feet below grade in the asphalt driveway outside the overhead door leading to the raw stock/containerized petroleum storage building.
- Soil probe SB-16 was installed with a Geoprobe between grade and ten (10) feet below grade in the narrow asphalt paved path approximately 10 feet west of the former outdoor drum storage area.
- Soil probe SB-17 was installed with a Geoprobe between grade and ten (10) feet below grade, in the former outdoor drum storage area.
- Soil probe SB-18 and SB-19 were installed with a Geoprobe between grade and ten (10) feet below grade in the former outdoor drum storage area.
- Soil probe SB-20 was installed with a Geoprobe between grade and ten (10) feet below grade in the recharge basin on the western portion of the Site.
- Soil probe SB-21 was installed with a Geoprobe between grade and ten (10) feet below grade in the footprint of the former impacted storm water drywell.
- Soil probe SB-22 was installed with a Geoprobe between grade and fifteen (15) feet below grade in the area of the trench leading to the former impacted storm water drywell.
- Soil probes SB-23, SB-24 and SB-26 were installed with a Geoprobe between grade and fifteen (15) feet below grade, in the grassy area south of the former outdoor drum storage area.
- Soil probe SB-25 was installed with a Geoprobe between grade and ten (10) feet below grade in the footprint of the former accessory building.
- Soil probe SB-27 was installed with a Geoprobe between grade and ten (10) feet below grade in the grassy area in the far southwest portion of the Site.

- Soil probes SB-28 and SB-29 were installed with a Geoprobe between grade and ten (10) feet below grade in the northwest corner of the main building, the former product/raw stock storage area.
- Soil probes SB-30, SB-31, and SB-32 were installed with a Geoprobe between grade and ten (10) feet below grade in the central portions of the former product/raw stock storage area.
- Soil probe SB-33 was installed with a Geoprobe between grade and ten (10) feet below grade in the former product shipping preparation area of the main building.
- Soil probes SB-34 and SB-35 were installed with a Geoprobe between grade and ten (10) feet below grade in the north and south portions of the former Parts assembly area in the southwest section of the main building.
- Soil probes SB-36 through SB-41 were installed with a stainless steel hand auger between grade and five (5) feet below grade in the former tumbling department, the former sand blasting department, in the area to the east of the former sand blasting department, and in the former compressor room.
- Soil probe SB-42 was installed with a Geoprobe between grade and ten (10) feet below grade in the northwest corner of the former screw machinery/fabrication department.
- Soil probe SB-43 was installed with a Geoprobe between grade and ten (10) feet below grade centrally in the former screw machinery/fabrication department.
- Soil probe SB-44 was installed with a Geoprobe between grade and ten (10) feet below grade in the south section of the former screw machinery/fabrication department.
- Soil probes SB-46, SB-47, and SB-48 were installed with a Geoprobe between grade and ten (10) feet below grade west-to-east along the northern driveway.
- Soil probes SB-49, SB-50 and SB-51 were installed with a Geoprobe between grade and ten (10) feet below grade in the west, central and eastern sections of the former metal stamping department, in the northeast portion of the main building.
- Soil probes SB-52, SB-53, and SB-54 were installed with a Geoprobe between grade and ten (10) feet below grade in the former machine repair dept., metal forming dept., and machine shop dept., respectively, located in the east side of the main building.
- Soil probes SB-55 and SB-56 were installed with a Geoprobe between grade and ten (10) feet below grade in the asphalt driveway off the northeast corner of the main building.
- Soil probe SB-57 was installed with a stainless steel hand auger between grade and two (2) feet below slab grade in the basement beneath the southwest portion of the main building.
- Soil probe SB-58 was installed with a stainless steel hand auger between grade and two (2) feet below slab grade in the basement beneath the eastern portion of the main building.

4.2.2 Field Headspace Analysis

Headspace analyses were performed on each subsurface soil sample to provide precursory data regarding contamination. Results of the analysis were used to adjust the sample and analysis program to yield the most accurate and representative results. Headspace analysis was performed on each of the acquired samples utilizing a portable photoionization detection (PID) meter, to measure what, if any, hydrocarbon concentrations were present in isolated portions of the secured samples. Headspace analysis was conducted by partially filling a wide-mouth glass container with sample aliquot and sealing the top with aluminum foil, thereby creating a void. This void is referred to as the sample headspace.

To facilitate the detection of any hydrocarbons contained within the head space, the container was agitated for a period of thirty (30) seconds. The probe of the vapor analyzer was then injected through the foil into the headspace to measure the hydrocarbon concentrations present. A MiniRae Model 3000, portable photoionization detection meter (PID) was utilized for the head space analyses. A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. A PID does not respond to all compounds similarly; rather, each compound has its own response factor relative to its calibration. For this investigation, the PID was calibrated to isobutylene. Hydrocarbon relative response factors for a PID calibrated to isobutylene are published by the manufacturer.

The majority of the headspace analyses did not encountered hydrocarbons above ambient levels. The most significant hydrocarbon detections occurred in soil samples obtained from boring SB-22, between 12 and 15 feet below land surface (BLS) at 398 ppmV. Hydrocarbon detections at concentrations above ambient levels were measured in the following soil boring samples:

- Boring SB-7 (10-12 ft. BLS): 60.2 ppmV
- Boring SB-7 (12-14 ft. BLS): 103.5 ppmV
- Boring SB-7 (14-15 ft. BLS): 40.1 ppmV
- Boring SB-8 (6-8 ft. BLS): 1.6 ppmV
- Boring SB-8 (8-10ft. BLS): 16.7 ppmV
- Boring SB-13 (0-2 ft. BLS): 38.1 ppmV
- Boring SB-13 (2-4 ft. BLS): 1.3 ppmV
- Boring SB-13 (4-6 ft. BLS): 7.1 ppmV
- Boring SB-13 (6-7 ft. BLS): 15.9 ppmV
- Boring SB-15 (0-1 ft. BLS): 1.9 ppmV
- Boring SB-15 (9-10 ft. BLS): 0.4 ppmV
- Boring SB-17 (0-2 ft. BLS): 90.0 ppmV

- Boring SB-17 (2-6 ft. BLS): 109 ppmV
- Boring SB-17 (6-10 ft. BLS): 136 ppmV
- Boring SB-17 (10-11 ft. BLS): 88.0 ppmV
- Boring SB-17 (11-15 ft. BLS): 128 ppmV
- Boring SB-18 (8-10 ft. BLS): 146 ppmV
- Boring SB-19 (0-2 ft. BLS): 70.0 ppmV
- Boring SB-19 (2-4 ft. BLS): 132 ppmV
- Boring SB-19 (4-5 ft. BLS): 136 ppmV
- Boring SB-19 (5-6 ft. BLS): 111 ppmV
- Boring SB-19 (6-8 ft. BLS): 119 ppmV
- Boring SB-19 (8-10 ft. BLS): 148 ppmV
- Boring SB-21 (8-10 ft. BLS): 320 ppmV
- Boring SB-22 (8-10 ft. BLS): 269 ppmV
- Boring SB-22 (10-12 ft. BLS): 320 ppmV
- Boring SB-22 (12-15ft. BLS): 398 ppmV
- Boring SB-24 (14-15 ft. BLS): 26.4 ppmV
- Boring SB-41 (1-2 ft. BLS): 320 ppmV
- Boring SB-41 (5-6 ft. BLS): 30.0 ppmV
- Boring SB-57 (0-2 ft. BLS): 29.3 ppmV
- Boring SB-58 (0-2 ft. BLS): 42.1 ppmV

Results of the analysis were used to adjust the sample and analysis program to yield the most accurate and representative results. The headspace analyses data are cited in the soil boring logs, presented in **Appendix C**.

4.2.3 Sample Characterization

A visual inspection of all samples recovered during the installation of each of the soil probes was conducted to identify any gross signs of chemical contamination and to classify the sample media. Gradation classifications were made in accordance with the Unified Soil Classification System. The field characterization results are shown in the Boring Logs presented in **Appendix C**.

In general, the subsurface soil at the Site was found to consist of brown tightly packed silty soils and medium/fine sands, underlain by light brown and tan medium/fine to coarse/medium grained, poorly sorted sands with small gravel and trace silts. Visual and olfactory evidence of apparent petroleum impacted material were noted in the following soil borings:

- Boring SB-7, 10-15 ft. BLS
- Boring SB-8, 8-9 ft. BLS
- Boring SB-13 0-7 ft. BLS
- Boring SB-17, 0-15 ft. BLS
- Boring SB-18, 8-10 ft. BLS
- Boring SB-19, 0-10 ft. BLS
- Boring SB-21, 8-10 ft. BLS
- Boring SB-22, 8-15 ft. BLS
- Boring SB-24, 14-15 ft. BLS
- Boring SB-41, 1-2 ft. BLS
- Boring SB-57, 0-2 ft. BLS
- Boring SB-58, 0-2 ft. BLS

It should be noted that soil boring location SB-14 did not yield any testable soils due to refusal being encountered at the surface. Detailed descriptions of soil stratigraphy and field observations are presented in **Appendix C**.

4.2.4 Soil Sample Collection

Soil samples were collected utilizing Geoprobe drilling machinery and associated soil sampling equipment and materials, previously described in Section 3.2.1 and utilizing headspace analyses and sample characterization techniques, previously described in Sections 3.2.2 and 3.2.4, respectively. Two (2) subsurface soil samples were secured from each soil boring location; one (1) between grade and two (2) foot BLS sampling interval, and one (1) at the field-screened interval exhibiting the highest PID reading. In the absence of any elevated PID readings, the second sample was collected from directly above the soil/groundwater interface. In two (2) instances (the basement samples SB-57 and SB-58) only a single soil sample was able to be collected, due to the presence of the shallow water table beneath the basement slab. The observed range in water table depths observed during the soil boring work was between nine (9) and twelve (12) feet BLS.

4.3 Groundwater Sample Collection

Groundwater samples collected as part of this subsurface investigation consisted of two methodologies; collection of groundwater samples utilizing Geoprobe-installed temporary monitoring points and collection of groundwater samples from existing onsite monitoring wells utilizing passive diffusion bag techniques and materials. The observed water table encountered during the groundwater sample collection work was approximately between nine (9) and twelve (12) feet BLS.

4.3.1 Temporary Well Point Installation and Sample Collection

On August 4, 2015, Impact Environmental collected groundwater samples from eight (8) temporary well points as part of this investigation. Said temporary well points were identified as TWP-1, TWP-2, TWP-3, TWP-4, TWP-5, TWP-6, TWP-7, and TWP-8 and its respective locations are presented in **Figure 1** and **Figure 2**. Said temporary well point consisted of a Geoprobe SP-22 TSD stainless steel groundwater sampling probe with a 48-inch deployable well screen; installed utilizing Geoprobe direct push/percussion drilling methods and machinery. The observed water table during the installation of soil boring probes approximately ten (10) feet BLS, and the temporary probe was installed to a terminal depth of thirty (30) feet BLS, and deployed between twenty-six (26) and thirty (30) feet BLS. Evidence of confining layers, such as clay layers and/or lenses, or marine bog material was not encountered during the installation of each probe.

The development and sampling procedures performed during this investigation conformed to NYSDEC procedures and protocols. A field log protocol was conducted to record sampling data including; date, time, location, sample identification code, depth to water, total depth of the well, method of well development, and sampling technique. The monitoring wells were developed by purging a minimum of three (3) static well volumes. The resulting purged groundwater was containerized in 5-gallon portable containers, and then transferred into a DOT 55-gallon drum, located within the Hazardous Waste Storage Building.

Eight (8) discrete groundwater samples, one (1) from each temporary well point assembly were secured utilizing a stainless steel check valve and dedicated ¼" I.D. polyethylene tubing. The representative groundwater samples were transferred with minimal disturbance into the laboratory prepared and preserved glassware and immediately placed in an iced cooler. A site map showing the location of the temporary groundwater collection points are presented in **Figure 1** and **Figure 2**.

4.3.2 Passive Diffusion Bag Sample Collection

Groundwater samples were collected from onsite monitoring wells utilizing passive diffusion bag technologies and equipment. Passive diffusion samplers are used to collect water samples from groundwater aquifers for analysis of specific chemical compounds, including volatile organics. Weighted samplers were lowered into wells to target depths within the well screen interval for periods of between seven (7) to fourteen (14) days, dependent on the hydraulic conductivity of the aquifer or until equilibrium has taken place between the water in the sampler and surrounding groundwater. They operate by diffusion of contaminants across a polyethylene membrane. No purging or disposal of purge water is necessary, which considerable decreases the volume of potential hazardous waste.

The proposed monitoring well network to be employed during this investigation, consisted of monitoring wells MW-2, MW-6, MW-7, MW-7D, MW-8, MW-21A and MW-21B. However, the following adjustments were made, based on observed Site conditions:

- Monitoring wells MW-7 and MW-8 were not found, and presumed destroyed or potentially buried; said wells were removed from the monitoring profile.
- Monitoring well MW-3 was utilized as a replacement groundwater sampling location. Said well is located to the south of the southern extent of the Main Plant Building, as was utilized to evaluate groundwater quality downgradient from the former onsite process wastewater leaching system.

The passive diffusion bags were installed within monitoring wells MW-2, MW-3, MW-6, MW-7D, MW-21A and MW-21B on August 5, 2015 under the observation of the Department, and retrieved on August 14, 2015. Upon retrieval, water was transferred with minimal disturbance from each diffusion bag into laboratory prepared and preserved glassware and immediately placed within an iced cooler. Site maps showing the locations of the permanent onsite groundwater monitoring well network are presented in **Figure 1** and **Figure 2**.

4.4 Storm Water Drywell Sediment Sample Collection

On August 7, 2015, sediment samples were collected from within each of the six (6) onsite storm water drywell leaching structures. All six (6) dry well structures, designated DW-1, DW-2, DW-3, DW-4, DW-5, and DW-6, were located in the parking lot on the east side of the Site.

Sediment samples were collected using a stainless steel hand auger system from one (1) feet below the internal surface of the drywells, which were measured to be between seven (7) and eleven (13) feet BLS. Material collected from each drywell were containerized for headspace analyses and laboratory analyses, and immediately placed in an iced cooler. Two (2) of the drywells, DW-1 and DW-2, were noted to contain approximately one (1) foot of standing water. The hand auger tooling was washed between each sample collection event to prevent potential cross contamination, utilizing an Alconox-based solution and final distilled water rinse.

Due to a malfunction of the PID on the day of the sampling, hydrocarbon detections of DW-1 and DW-2 were not completed. No hydrocarbon detections at concentrations above ambient levels were measured in the remaining drywell samples; DW-3, DW-4, DW-5, or DW-6. No visual or olfactory signs of contamination were observed in any of the drywell samples.

4.5 Laboratory Sample Location and Frequency

Soil samples were selected from each boring location and selected for laboratory analyses; one (1) from within the interval between grade and two (2) feet BLS (unless otherwise noted) for total metals analyses, and one (1) from within the section of the highest screened concentration of hydrocarbons, for volatile and semi-volatile organic analyses. In the absence of any elevated hydrocarbons readings, the second sample was collected from directly above the soil/groundwater interface. The soil samples selected for laboratory analysis were labeled for identification purposes as SB-4 through to SB-58 (with the omission of SB-14 due to refusal), respectively, with the respective sample collection interval.

The groundwater samples collected from existing monitoring wells and from the temporary well points were submitted for laboratory analyses and were labeled for identification purposes as MW-2, MW-3, MW-6, MW-7B, MW-21A and MW-21B, and TWP-1 through to TWP-8, respectively.

Sediment samples were collected from within each of the existing storm water drywell leaching structures were submitted for laboratory analyses and were labeled for identification purposes as DW-1 through to DW-6, respectively.

The soil, sediment and groundwater samples selected for laboratory analysis were containerized in the laboratory prepared and preserved glassware, staged within an iced cooler and transported under proper chain-of-custody procedures to an ELAP accredited and certified commercial laboratory for analyses. The sample collection work was performed pursuant to the Quality Assurance and Quality Control Procedures (QA/QC) presented in **Appendix D**.

5 LABORATORY ANALYSES

5.1 Analytical Test Methods

The samples were transported to a New York State Certified Commercial Laboratory for analysis. Selection of the analytical test methods was based on the NYSDEC, Technical Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Limitations; Suffolk County Department of Health Services (SCDHS) Standard Operating Procedure SOP 9-95 compliance documentation, and the NYSDEC Part 375 Soil Cleanup Objective Analytes.

The laboratory analyses performed on the soil boring samples from the shallow interval consisted of the United States Environmental Protection Agency (USEPA) Methods 6010C and 7471B, for RCRA total metals, method 6010 for total Iron and Zinc, and 9010B for total Cyanide. Laboratory analysis performed on the soil boring samples from the interval exhibiting the highest PID reading, or the sample collected from directly above the soil/groundwater interface, consisted of USEPA Method 8260C target analyte list (TAL)/target contract list (TCL) volatile organic compounds (VOCs) and NYSDEC TAL/TCL (BNA) list semi-volatile organic compounds (SVOCs) by USEPA Method 8270D. The tabulated soil sampling laboratory results are presented in **Table 1**, **Table 2,** and **Table 3,** and the laboratory reports are presented in **Appendix E.**

The laboratory analysis performed on the groundwater samples collected from the existing monitoring wells and temporary well points consisted of TAL/TCL list VOCs by USEPA Method 8260C. The tabulated laboratory results are presented in **Table 4** and **Table 5,** and the laboratory reports are presented in **Appendix E**.

The laboratory analyses performed on the sediment samples collected from the existing storm water drywell leaching structures consisted of Suffolk County Department of Health Services (SCDHS) SOP 9-95 target lists for VOC's by USEPA Method 8260C, SVOCs by USEPA Method 8270D, and total metals by USEPA Methods 6010C and 7471B. The tabulated laboratory results are presented in **Table 6**, **Table 7,** and **Table 8,** and the laboratory reports are presented in **Appendix E.**

5.2 Analytical Results

The laboratory analysis performed on selected soil and groundwater samples detected concentrations of target analytes at concentrations at and/or above the applicable guidance criteria. The following summary presents such sample detections, based on sample collection types performed at the Site as part of this investigation.

5.2.1 Soil Boring Sampling Results

Volatile Organic Compounds (VOCs):

Elevated concentrations of petroleum-related VOCs were detected at concentrations above NYSDEC Part 375 Unrestricted Soil Cleanup Objectives, in the following soil samples collected within and proximal to the former Metal Drum Storage Area and former Metal Drum Storage area leaching pool, and within the western recharge basin:

Soil Boring SB-19 8-10: total xylenes (420 µg/kg), 1,3,5-trimethylbenzene (11,000 µg/kg) and 1,2,4-trimethylbenzene (22,000 µg/kg)

Soil Boring SB-20 6-8: 1,2,4-trimethylbenzene (4,300 µg/kg)

Additional VOCs were detected within the abovementioned samples, but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. Petroleum-related VOCs were also detected in soil samples within and proximal to the former Metal Drum Storage Area and former Metal Drum Storage area leaching pool (soil samples SB-17 10-12, SB-18 8-10, SB-21 8-10, and SB-26 13-15), but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives.

Elevated concentrations of acetone were detected in samples SB-50 8-10 (60 µg/kg), at concentrations above NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. However, it appears that this elevated detection may be related to a laboratory artifact, rather than an actual release. Chlorinated solvent related VOCs were detected in soil samples SB-12 7-8, SB-15 8-10, and SB-37 5-6, but at concentrations well below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives.

Semi-Volatile Organic Compounds (SVOCs):

SVOCs were detected in soil samples SB-17 10-12, SB-22 8-10, and SB-26 13-15, but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. SVOCs were not detected in the remaining soil samples.

Total Metals:

Total metal analytes were detected in the following soil boring samples at concentrations at or above the following NYSDEC Part 375 Soil Cleanup Objective standards:

At or Above Part 375 Restricted Commercial Soil Cleanup Objectives:

- Soil Boring SB-5 0-2: total cadmium (45 mg/kg)
- Soil Boring SB-7 0-2: total arsenic (16 mg/kg) and total cadmium (160 mg/kg)
- Soil Boring SB-8 0-2: total cadmium (12 mg/kg)
- Soil Boring SB-18 0-2: total cadmium (17 mg/kg)
- Soil Boring SB-19 0-2: total arsenic (23 mg/kg) and total cadmium (44 mg/kg)
- Soil Boring SB-20 0-2: total cadmium (12 mg/kg)
- Soil Boring SB-20 4-6: total cadmium (12 mg/kg)
- Soil Boring SB-20 6-8: total cadmium (10 mg/kg)
- Soil Boring SB-22 0-2: total cadmium (16 mg/kg)
- Soil Boring SB-31 0-2: total cadmium (9.6 mg/kg)
- Soil Boring SB-38 0-2: total cadmium (26 mg/kg)
- Soil Boring SB-46 0-2: total cadmium (71 mg/kg)
- Soil Boring SB-47 0-2: total cadmium (16 mg/kg)

At or Above Part 375 Protection of Ecological Resources Soil Cleanup Objectives:

- Soil Boring SB-7 0-2: total chromium (160 mg/kg), total lead (100 mg/kg), total mercury (0.27 mg/kg) and total zinc (390 mg/kg)
- Soil Boring SB-19 0-2: total chromium (130 mg/kg)
- Soil Boring SB-20 2-4: total cadmium (8.3 mg/kg)
- Soil Boring SB-21 0-2: total cadmium (4.5 mg/kg)
- Soil Boring SB-33 0-2: total cadmium (4.7 mg/kg)
- Soil Boring SB-36 0-2: total cadmium (8.0 mg/kg)
- Soil Boring SB-57 0-2: total arsenic (14 mg/kg)

At or Above Part 375 Unrestricted Soil Cleanup Objectives:

- Soil Boring SB-12 0-2: total chromium (35 mg/kg)
- Soil Boring SB-16 0-2: total cadmium (3.6 mg/kg)
- Soil Boring SB-20 0-2: total chromium (39 mg/kg)
- Soil Boring SB-20 4-6: total chromium (30 mg/kg)
- Soil Boring SB-39 2-3: total cadmium (2.7 mg/kg)

Total metals were also detected in the remaining soil samples, but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objective standards.

5.2.2 Groundwater Sampling Results

Volatile Organic Compounds (VOCs):

Slightly elevated concentrations of tetrachloroethylene (5.2 µg/l) was detected in a groundwater sample collected from monitoring well MW-2, at concentrations above NYSDEC TOGS 1.1.1 Class GA groundwater standards. Associative degradation products of tetrachloroethylene (cis-1,2-dichloroethene, 1,1-dichloroethene, trichloroethylene and vinyl chloride) were also detected in this samples, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater standards. Tetrachloroethylene was also detected in groundwater sample TMP-5, but at concentrations well below NYSDEC TOGS 1.1.1 Class GA groundwater standards.

Acetone and 2-butanone (MEK) were detected in several groundwater samples (existing monitoring wells and temporary groundwater points) within the investigation monitoring network, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater standards. Additional VOCs were detected in groundwater samples TMP-4 and TMP-7, but at concentrations well below NYSDEC TOGS 1.1.1 Class GA groundwater standards

5.2.3 Storm Water Drywell Sampling Results

Volatile Organic Compounds (VOCs):

Laboratory-estimated concentrations of VOCs were detected in the sediment sample collected within storm water drywell SD-1, but at concentrations well below SCDHS SOP 9-95 Action Level concentrations. VOCs were not detected in the sediment samples collected from within storm water drywells SD-2, SD-3, SD-4, SD-5 or SD-6.

Semi-Volatile Organic Compounds (SVOCs):

SVOCs were detected in the sediment samples collected from within each of the six (6) storm water drywell sediment samples, but at concentrations below SCDHS SOP 9-95 Action Level concentrations.

TAL Total Metals:

Total metal analytes were detected in the sediment samples collected from within each of the six (6) storm water drywell sediment samples, but at concentrations below SCDHS SOP 9-95 Action Level concentrations.

6 EVALUATION OF RESULTS

A remote sensing survey was performed on the Site. The analysis of the GPR survey data identified the following subsurface structures and anomalies:

1. Several underground electric conduits were identified between the Heat Treatment Process Building and the Power Distribution Building. GPR technicians identified that electric power was potentially still active within said conduits. Due to the interference from the abovementioned underground electric conduits proximal to the potential location of a former diffusion supply well, said well was not identified.

2. The northwestern extent of the remedial “capped” area was identified and delineated utilizing conventional spray paint. The locations of a proposed temporary monitoring point and soil borings were adjusted as not to disturb the “Engineering Controlled” section of the Site.

3. The locations of two former drywell leaching structures were identified during the survey. The remnants of an eight (8) foot diameter leaching structure (former industrial process water leaching structure) located between the Hazardous Waste Storage Building and the Process Water Storage Building, and the remnants of a six (6) foot diameter leaching structure (former drum storage leaching structure) located between the western recharge basin and the former drum storage leaching structure, were identified. In addition, remnants of a former trench that reportedly conveyed liquids from the former drum storage area to the former drum storage leaching structure, was identified.

4. Underground conveyance piping from the Main Plan Building west wing ejector sump to the western discharge basin was identified.

5. Two anomalies were identified during the GPR survey, along the northwestern section of the Site. The first anomaly was identified adjacent to the northwestern exterior extent of the Main Plant Building, and the second anomaly was identified within the Garage Area section of the Plastic Injection Forming Building. Said anomalies were reported by On Point, to be either remnants/backfilled void space overlying a compressed substratum, with a metallic-like radar signature, potentially indicative of the footprints of former USTs, or remnants of former concrete structural supports and/or concrete pads. However, said potential underground structures could not be confirmed by On Point; solely utilizing the remote sensing equipment.

6. Underground conduits, potentially remnants of the former process wastewater trench/closed loop system, were identified within the Main Plant Building. In addition, sanitary sewer piping was identified within the southern section of the Main Plant Building.

7. Four (4) interconnecting storm water drywell/leaching structures were identified within the eastern parking lot. It appears that said structures are eight (8) feet in diameter and were approximately between thirteen (13) and seventeen (17) feet deep. Two additional storm water drywells were identified within this area, located to the southeast and east of the abovementioned interconnected drywell structures. Potable water lines from Union Boulevard to the southwestern extent of the Main Plant Building, and from the Main Plant Building to the Process Water Storage Building were identified.

8. Additional underground electric conduits, potable water and sanitary sewer piping, and active storm water leaching structures were identified and marked out using conventional spray paint, typical of said identification work. Soil boring locations were adjusted based on said utility identifications.

9. No other underground structures were found in the developed areas of the Site.

In general, the subsurface soil at the Site was found to consist of brown tightly packed silty soils and medium/fine sands, underlain by light brown and tan medium/fine to coarse/medium grained, poorly sorted sands with small gravel and trace silts. Visual and olfactory evidence of apparent petroleum impacted material were noted in soil borings installed within or proximal to the former Metal Clip Drum Storage area and associated former recharge basin, the southwestern section of the Plastic Injection/Molding, an isolated area within the northern extent of the Main Plant Building, and within the western and eastern basement areas inside the Main Plant Building.

Elevated concentrations of petroleum-related VOCs were detected in soil samples collected within the Former Metal Clip Drum Storage Area and within the western recharge basin. Said petroleum-related VOCS were also detected within other sections of the former Metal Clip Drum Storage Area and proximal to said area, but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. Chlorinated solvent related VOCs were detected in soil samples collected within the Plastic Injection/Molding Building, downgradient from the former Industrial wastewater leaching drywell and within the Tumbling Area section of the Main Plant Building, but at concentrations well below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. SVOCs were detected in soil samples collected within and proximal to the Former Metal Clip Drum Storage Area, but at concentrations below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives.

Elevated concentrations of total metals (specifically total cadmium, with total arsenic to a lesser extent) at concentrations above NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives were detected in soil samples collected within and proximal to the former industrial wastewater leaching drywell, within the western recharge basin, within the former Metal Chip Drum Storage Area, beneath the Main Plant Building (Raw Stock Storage Area and Sand-Blasting Area) and adjacent to the southern excavation extent of the former Electroplating/Anodizing/Wastewater Treatment buildings. Additional total metal analytes (total chromium, total lead, total mercury and total zinc), were detected in shallow soil samples collected proximal to the former industrial wastewater leaching drywell, at concentrations above Part 375 Protection of Ecological Resources Soil Cleanup Objectives. The majority of total metal exceedances in soil were detected in samples collected between grade and two (2) feet BLS, with the exception of samples collected from within the western recharge basin, to a sampling terminal depth of eight (8) feet below grade.

Slightly elevated concentrations of tetrachloroethylene (5.2 µg/l) was detected in a groundwater sample collected from monitoring well MW-2, at concentrations above NYSDEC TOGS 1.1.1 Class GA groundwater standards. Associative degradation products of tetrachloroethylene (cis-1,2-dichloroethene, 1,1-dichloroethene, trichloroethylene and vinyl chloride) were also detected in this samples, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater standards. Tetrachloroethylene was also detected in groundwater sample TMP-5, but at concentrations well below NYSDEC TOGS 1.1.1 Class GA groundwater standards. Acetone and 2-butanone (MEK) were detected in several groundwater samples (existing monitoring wells and temporary groundwater points) within the investigation monitoring network, but at concentrations below NYSDEC TOGS 1.1.1 Class GA groundwater standards.

Volatile organics, semi-volatile organics and total metals were detected in sediment samples within the six (6) storm water drywells located at the eastern parking lot, but at concentrations below SCDHS SOP 9-95 Action Level concentrations.

7 CONCLUSIONS

Impact Environmental has performed a Phase II Environmental Site Assessment, Limited Subsurface Investigation on the Site in accordance with good commercial and customary practice and generally accepted protocols within the consulting industry. The investigation consisted of the remote sensing survey, the sampling and analysis of subsurface soil and groundwater to further define the environmental quality of the Site with respect to the *recognized environmental conditions* outlined in Section 2.3 of this document.

The *recognized environmental condition related to the environmental conditions beneath the Main Plant Building was* addressed by sub-slab soil sample collection and analyses. Elevated concentrations of total metals at concentrations above NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives were detected in soil samples collected beneath the Main Plant Building (Raw Stock Storage Area and Sand-Blasting Area. The environmental conditions within and beneath the Main Plant Building will be reportedly addressed by the Site Owner, concurrent with upcoming RCRA Closure and permanent Site decommissioning related investigation work. Adjustments to the investigative scope of work within the proposed RCRA Closure work plan may be required by NYSDEC, after a review of this report, to address any deficiencies within the work plan. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition related to the environmental conditions within the northern section of the Site was* addressed by soil sample and groundwater collection and analyses. Residual total metal impacts in soil, at concentrations above applicable NYSDEC Part 375 Soil Cleanup Objectives were observed, proximal to the southern extent of the former Electroplating/Anodizing/Wastewater Pretreatment Buildings, and proximal to the former industrial wastewater recharge basin. Said areas of the Site were reportedly remediated as part of the OU-1 Remedy for the Site. However, said areas should be addressed, concurrent with the reported soil excavation work to be performed within and adjacent to the neighboring Heat Treatment Building, as part of the RCRA Closure work. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition* related to the former process coolant water well was addressed by a remote sensor survey. Unfortunately, no remnants of said well were identified during the survey. If said well is encountered during Site redevelopment work, it is recommended to abandon said well in accordance with NYSDEC CP-43 protocols and procedures. No further actions related to this REC are recommended at this time.

The *recognized environmental condition* related to the Hazardous Waste Storage Building could not be addressed during this work. At the time of the work, said SCDHS Chemical Bulk Storage Building was actively registered with the Department, and potential coordination with the Department in regards to the sub-slab sampling and restoration of this building could not be achieved within the expedited time frame to conduct the work. It is expected that the environmental conditions beneath this building will be addressed concurrent with the RCRA Closure and Decommissioning work for this Site. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental conditions* related to the environmental conditions within the Plastic Injection Molding building was addressed by soil sample collection and analyses. The evaluation of the former sanitary structure associated with this building was addressed by the Site Owner and will be remediated as part of the RCRA Closure work. Chlorinated solvent related VOCs were detected in soil samples collected beneath the Plastic Injection Molding Building, but at concentrations well below NYSDEC Part 375 Unrestricted Soil Cleanup Objectives. It is recommended to obtain and review the final RCRA Closure work plan for this Site with NYSDEC, to ascertain whether the areas of sub-slab contamination will be addressed during the closure work and to determine the extent of residual contamination that may remain, once the work is completed.

The *recognized environmental condition* in regards to the former Metal Chip Drum Storage Area with associative former drywell and western recharge basin was addressed by soil sample collection and analyses. Both of said areas were previously remediated as part of the OU-1 remedy for the Site. However, soil sampling results within and proximal to said areas indicate that elevated concentrations of total cadmium and total arsenic (recharge basing only) exist in soil within said areas. It was reported that the additional soil excavation work would be performed within the recharge basin area, as part of the RCRA Closure work, but not within the former Metal Chip Drum Storage area. In addition, volatile organic impacts were detected within both areas, presumably from the operation of the former Metal Chip Drum Storage Area and subsequent discharges to the former associated. It is recommended to review the scope of work for the upcoming RCRA closure work with NYSDEC and the Site owner, to ensure that said areas are remediated as part of the work. In addition, it is recommended to employ engineering controls consistent with the *October 2006, New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York document*, concurrent with the construction of any new Site building(s) within and proximal to this area, to prevent against potential vapor exposure from residual contamination not completely addressed during the RCRA Closure and Site decommissioning closure work.

The *recognized environmental condition* in regards to the Site storm water drywells was addressed by sediment sample collection and analyses. Volatile organic, semi-volatile organic and total metal analytes were detected within sediment collected from said structures, but at concentrations below SCDHS SOP 9-95 Action Level concentrations. No remedial work in regards to said structures is currently required or recommended. If said structures are to be permanently decommissioned concurrent with RCRA Closure work and/or Site redevelopment work, it is recommended to coordinate said work with the NYSDEC and SCDHS jointly, based on the environmental history of the Site and current NYSDEC Registry Inactive Hazardous Waste Site listing.

The *recognized environmental condition* in regards to the former Site sanitary septic systems was addressed by groundwater sample collection and analyses. Prior to the start of the work, the Site owner stated that the remediation of two (2) of the three (3) impacted systems would be remediated concurrent with the RCRA Closure work. Groundwater sample collection to the apparent downgradient of one said impacted system detected trace concentrations of chlorinate solvent, well below NYSDEC TOGS 1.1.1 Class GA groundwater standards. It is recommended to review the RCRA Closure scope of work related to the remediation of said sanitary systems with NYSDEC to confirm the extent of the remedial work to be performed.

Elevated concentrations of tetrachloroethylene, at concentrations above NYSDEC TOGS 1.1.1 Class GA Groundwater Standards, was detected in a groundwater sample collected from monitoring well MW-2 as part of this work. Said well is located to the south of the western parking lot, reportedly hydraulically downgradient from the former Electroplating/Anodizing/Wastewater Pretreatment buildings and potentially downgradient from the former industrial wastewater drywell. Historic Site investigation reports indicate that chlorinated VOCs were detected in samples collected from this this well, at concentrations above TOGS 1.1.1 Class GA groundwater standards. Upon completion of the RCRA Closure and Site decommissioning work and subsequent transfer of ownership of this Site, potential Site redevelopment work is reported to occur within the footprint of southwest corner of the Main Plant Building (located between well MW-2 and the former Electroplating/Anodizing/Wastewater treatment buildings). Said redevelopment work is likely to require dewatering to facilitate development-related saturated soil excavation. The potential exists for hazardous concentrations of dissolved phase chlorinated solvent contaminated groundwater to be encountered during said dewatering work. It is recommended to conduct a subsequent groundwater investigation, proximal to the southwestern section of the Main Plant Building to determine whether the potential for chlorinated impacted groundwater during dewatering work exists. It is unclear whether said work will be performed as part of the RCRA Closure and decommissioning of the Site.

Based upon this Phase II ESA, dated August 25, 2015, Impact Environmental concludes that based upon the historical usage of the Site and historical environmental data for the Site in concert with the environmental data collected as part of this assessment, impacts to the environmental quality of the Site currently exist at

concentrations warranting remediation. Accordingly, it is recommended to conduct remedial and compliance activities to restore the environmental quality of the Site, in accordance with the applicable regulatory requirements as outlined in the above summary. The potential exists for additional subsurface impacts to exist in areas of the Site that were not accessible as part of this work. It is the responsibility and liability of the current site owner to perform the remedial actions, as addressed in the abovementioned summary, and potential future remedial actions if encountered during Site redevelopment.

IMPACT ENVIRONMENTAL CLOSURES, INC.

Kevin Kleaka, *Environmental Professional*
Vice President, Sr. Environmental Scientist

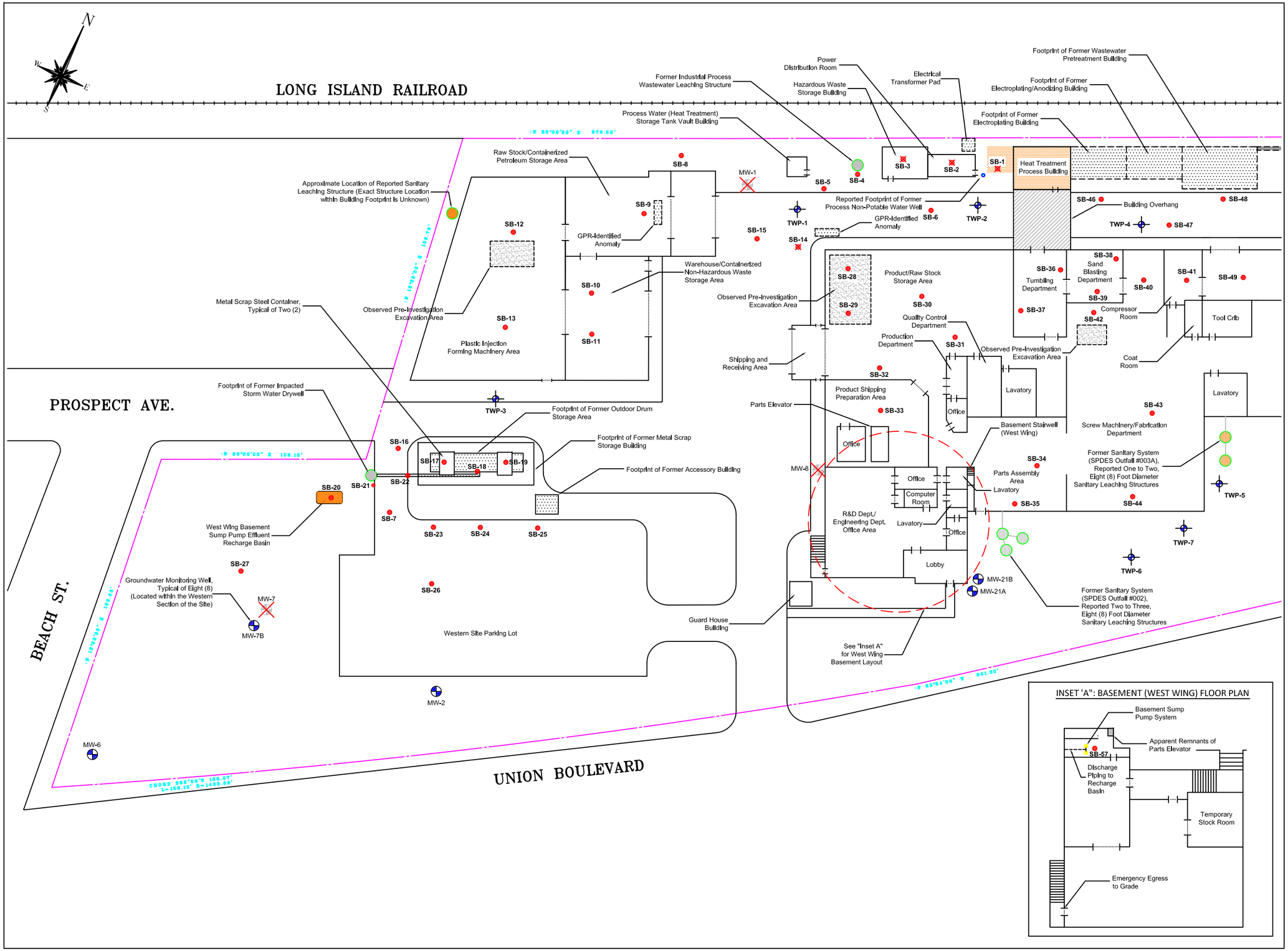
Michael Bluight, *Environmental Professional*
Project Manager

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Figures



NOTES:

BASE MAP ADAPTED FROM SURVEY OF LOTS 2-8, P.O. LOTS 1,9 & 10 MAP OF "BABYLON DEVELOPMENT OF THE LONG ISLAND SEASHORE CO, INC." SITUATED AT WEST ISLIP, SUFFOLK COUNTY, NEW YORK, PREPARED BY AMERICAN ENGINEERING SERVICES, P. C.

THE ESTIMATED DEMARCATED EXTENT OF THE PROPERTY LEASE LINE (WESTERN SECTION OF SITE) ESTIMATED AND ADAPTED FROM "CONCEPT PLAN" PREPARED BY BOHLER ENGINEERING, DATED SEPTEMBER 17, 2014.

SAMPLING LOCATIONS CHOSEN BASED UPON THE HISTORIC ENVIRONMENTAL DOCUMENTATION REVIEW AND RESULTANT RECOGNIZED ENVIRONMENTAL CONDITIONS IDENTIFIED WITHIN THE JANUARY 29, 2015 PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT FOR THE SITE.

AREAS WITHIN THE SITE IDENTIFIED WITH ORANGE-COLORED HATCHING ARE DESIGNATED AS RCRA-CLOSURE REMEDIATION AREAS, AS DEFINED BY DFCI SOLUTIONS ENVIRONMENTAL CONSULTANT, BASE UPON PHASE II ENVIRONMENTAL SITE ASSESSMENT INVESTIGATION WORK PERFORMED BY THE FPM GROUP IN 2007 AND A SUPPLEMENTARY ENVIRONMENTAL INVESTIGATION PERFORMED BY H2M IN 2008.

LEGEND:

- SOIL BORING SAMPLING LOCATION
- DRYWELL SEDIMENT SAMPLING LOCATION
- GROUNDWATER (MONITORING WELL) SAMPLING LOCATION
- GROUNDWATER (TEMP MONITORING PT) SAMPLING LOCATION
- SOIL SAMPLING REFUSAL/CONFLICT LOCATION
- DESTROYED/MISSING MONITORING WELL

SOIL, SEDIMENT AND GROUNDWATER SAMPLING LOCATIONS: WESTERN SITE AREA

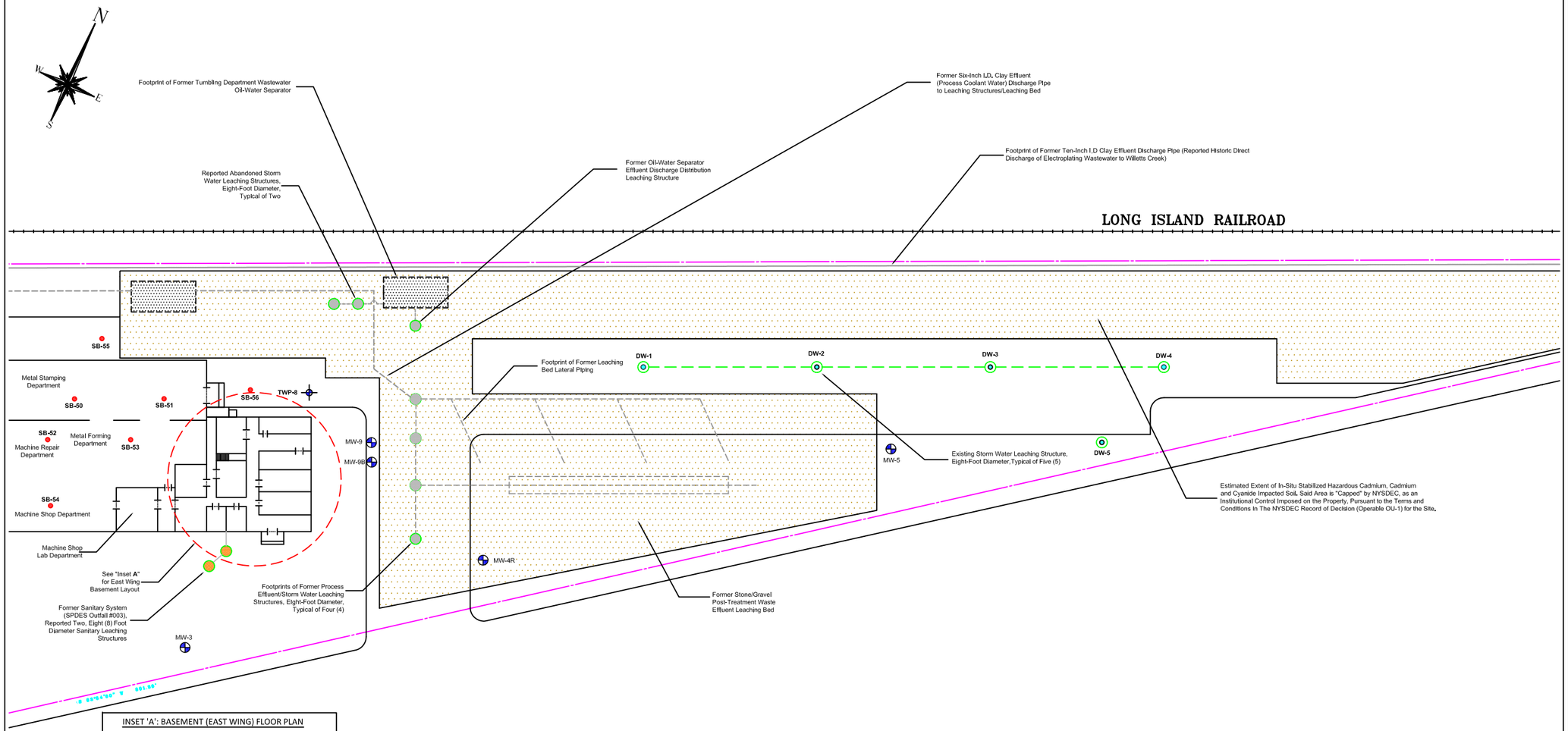
425 UNION BLVD, WEST ISLIP, NEW YORK

FIGURE NO: 1

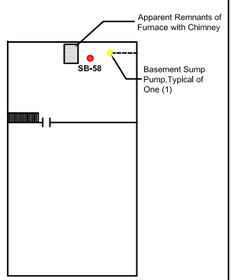
PROJECT NO.	7655-01-04-4001
DESIGNED BY:	RS
DRAWN BY:	RS
CHECKED BY:	MB
DATE:	12/13/2014
SCALE:	1" = 50'

REVISIONS	
NO:	DATE:
01	1/26/2015
02	3/14/2015

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599



INSET 'A': BASEMENT (EAST WING) FLOOR PLAN



NOTES:

BASE MAP ADAPTED FROM SURVEY OF LOTS 2-8, P.O. LOTS 1,9 & 10 MAP OF "BABYLON DEVELOPMENT OF THE LONG ISLAND SEASHORE CO, INC." SITUATED AT WEST ISLIP, SUFFOLK COUNTY, NEW YORK, PREPARED BY AMERICAN ENGINEERING SERVICES, P. C.

THE ESTIMATED DEMARCATED EXTENT OF THE PROPERTY LEASE LINE (WESTERN SECTION OF SITE) ESTIMATED AND ADAPTED FROM "CONCEPT PLAN" PREPARED BY BOHLER ENGINEERING, DATED SEPTEMBER 17, 2014.

SAMPLING LOCATIONS CHOSEN BASED UPON THE HISTORIC ENVIRONMENTAL DOCUMENTATION REVIEW AND RESULTANT RECOGNIZED ENVIRONMENTAL CONDITIONS IDENTIFIED WITHIN THE JANUARY 29, 2015 PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT FOR THE SITE.

AREAS WITHIN THE SITE IDENTIFIED WITH ORANGE-COLORED HATCHING ARE DESIGNATED AS RCRA-CLOSURE REMEDIATION AREAS, AS DEFINED BY DFCI SOLUTIONS ENVIRONMENTAL CONSULTANT, BASE UPON PHASE II ENVIRONMENTAL SITE ASSESSMENT INVESTIGATION WORK PERFORMED BY THE FPM GROUP IN 2007 AND A SUPPLEMENTARY ENVIRONMENTAL INVESTIGATION PERFORMED BY H2M IN 2008.

LEGEND:

- SOIL BORING SAMPLING LOCATION
- DRYWELL SEDIMENT SAMPLING LOCATION
- GROUNDWATER SAMPLING LOCATION
- TEMPORARY GROUNDWATER SAMPLING LOCATION

SOIL, SEDIMENT AND GROUNDWATER SAMPLING LOCATIONS - EASTERN SITE AREA

425 UNION BLVD,
WEST ISLIP, NEW YORK

FIGURE NO: 2

PROJECT NO.	7655-01-04-4001
DESIGNED BY:	RS
DRAWN BY:	RS
CHECKED BY:	MB
DATE:	3/14/2015
SCALE:	1" : 50'

REVISIONS	
NO:	DATE:

IMPACT ENVIRONMENTAL
170 KEYLAND COURT
BOHEMIA, NEW YORK 11716
TEL (631) 269-8800 FAX (631) 269-1599

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Tables

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-4 13-15	SB-5 8-10	SB-6 8-10	SB-7 10-12	SB-8 8-9	SB-9 8-9	SB-10 8-9	SB-11 8-9	SB-12 7-8	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	14:45	14:15	15:45	12:15	10:55	10:25	11:20	11:05	10:15			
Laboratory ID	L1518221-26	L1518221-24	L1518221-30	L1518815-46	L1518815-40	L1518815-38	L1518815-44	L1518815-42	L1518815-36			
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**0.53** J	1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	**0.24** J	ND	ND	ND	ND	60	70,000	44,000
Toluene	ND	ND	ND	ND	**0.94** J	ND	ND	ND	**0.64** J	700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	Not Specified	500,000
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	**0.23** J	260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	**0.44** J	250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

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Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-4 13-15	SB-5 8-10	SB-6 8-10	SB-7 10-12	SB-8 8-9	SB-9 8-9	SB-10 8-9	SB-11 8-9	SB-12 7-8	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	14:45	14:15	15:45	12:15	10:55	10:25	11:20	11:05	10:15			
Laboratory ID	L1518221-26	L1518221-24	L1518221-30	L1518815-46	L1518815-40	L1518815-38	L1518815-44	L1518815-42	L1518815-36			
Analyte (µg/kg)												
Acetone	**2.3** J	ND	**3.2** J	**11**	**1.3** J	**13**	**7.2** J	**42**	**5.6** J	50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	**1.2**	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	**6.1**	ND	ND	ND	ND	**0.49** J	12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	**2.4** J	ND	ND	ND	ND	ND	8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	130,000
p-Diethylbenzene	ND	ND	ND	**8.8**	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	**0.35** J	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	**4.3** J	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-13 7-7.5	SB-15 8-10	SB-16 8-10	SB-17 10-12	SB-18 8-10	SB-19 8-10	SB-20 6-8	SB-21 8-10	SB-22 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/5/2015	8/3/2015	8/3/2015			
Sample Time	8:35	13:45	12:15	12:45	13:15	16:15	12:03	11:15	11:45			
Laboratory ID	L1518815-22	L1518221-22	L1518221-16	L1518221-18	L1518221-20	L1518221-32	L1518556-15	L1518221-12	L1518221-14			
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	**19**	ND	ND	ND	ND	ND	ND	ND	1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	70,000	44,000
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	Not Specified	500,000
Trichloroethene	ND	**0.98** J	ND	ND	ND	ND	ND	ND	ND	470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	**33** J	ND	**80** J	**170** J	ND	ND	260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	**250**	ND	ND			
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-13 7-7.5	SB-15 8-10	SB-16 8-10	SB-17 10-12	SB-18 8-10	SB-19 8-10	SB-20 6-8	SB-21 8-10	SB-22 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/5/2015	8/3/2015	8/3/2015			
Sample Time	8:35	13:45	12:15	12:45	13:15	16:15	12:03	11:15	11:45			
Laboratory ID	L1518815-22	L1518221-22	L1518221-16	L1518221-18	L1518221-20	L1518221-32	L1518556-15	L1518221-12	L1518221-14			
Analyte (µg/kg)												
Acetone	**16**	**2.7** J	**3.2** J	ND	ND	ND	ND	ND	ND	50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	**320**	**800**	**740**	**6,300**	ND	ND	12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	**160**	**400**	**340**	**1,000**	**180**	ND	11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	**560**	**330** J	ND	5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	**45** J	ND	**95** J	**150**	ND	ND	Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	**370**	**880**	**750**	**3,000**	**560**	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	**2,000**	ND	**4,100**	**910**	ND	ND	12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	**130**	**180**	**270**	**270**	**110**	ND	3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	**150** J	**1,100**	**1,600**	**11,000**	**1,600**	ND	8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	**1,600**	**2,000**	**4,300**	**22,000**	**1,700**	ND	3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	130,000
p-Diethylbenzene	ND	ND	**0.28** J	**750**	**5,800**	**5,700**	**40,000** E	**8,500**	ND	Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	**430**	**250** J	**1,300**	**11,000**	**980**	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	**870**	**1,600**	**2,100**	**8,500**	**1,100**	ND	Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-23 13-15	SB-24 13-15	SB-25 8-10	SB-26 13-15	SB-27 8-10	SB-28 8-10	SB-29 8-9	SB-30 8-9	SB-31 8-9	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	9:45	10:15	8:45	9:15	10:45	9:22	9:30	9:10	8:50			
Laboratory ID	L1518221-06	L1518221-08	L1518221-02	L1518221-04	L1518221-10	L1518815-30	L1518815-32	L1518815-28	L1518815-24			
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	70,000	44,000
Toluene	ND	ND	ND	**14**	ND	ND	ND	ND	ND	700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	Not Specified	500,000
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	**0.91** J	ND	ND	ND	ND	ND	260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-23 13-15	SB-24 13-15	SB-25 8-10	SB-26 13-15	SB-27 8-10	SB-28 8-10	SB-29 8-9	SB-30 8-9	SB-31 8-9	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	9:45	10:15	8:45	9:15	10:45	9:22	9:30	9:10	8:50			
Laboratory ID	L1518221-06	L1518221-08	L1518221-02	L1518221-04	L1518221-10	L1518815-30	L1518815-32	L1518815-28	L1518815-24			
Analyte (µg/kg)												
Acetone	**12**	ND	**2.0** J	**16**	ND	ND	**42**	**59**	ND	50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	**2.1** J	ND	ND	ND	ND	ND	120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	130,000
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-32 8-9	SB-33 8-9	SB-34 8-9	SB-35 8-9	SB-36 5-6	SB-37 5-6	SB-38 5-6	SB-39 5-6	SB-40 5-6	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015	8/4/2015	8/4/2015	8/4/2015	8/5/2015			
Sample Time	9:00	9:45	8:20	8:30	10:00	10:30	12:15	12:00	13:45			
Laboratory ID	L1518815-26	L1518815-34	L1518815-16	L1518815-18	L1518556-02	L1518556-04	L1518556-06	L1518556-08	L1518815-04			
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	70,000	44,000
Toluene	ND	ND	ND	ND	ND	**1.1** J	ND	ND	**1.2** J	700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	**2.0**	ND	ND	ND	190	Not Specified	500,000
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	**0.65** J	260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-32 8-9	SB-33 8-9	SB-34 8-9	SB-35 8-9	SB-36 5-6	SB-37 5-6	SB-38 5-6	SB-39 5-6	SB-40 5-6	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015	8/4/2015	8/4/2015	8/4/2015	8/5/2015			
Sample Time	9:00	9:45	8:20	8:30	10:00	10:30	12:15	12:00	13:45			
Laboratory ID	L1518815-26	L1518815-34	L1518815-16	L1518815-18	L1518556-02	L1518556-04	L1518556-06	L1518556-08	L1518815-04			
Analyte (µg/kg)												
Acetone	**7.9** J	ND	ND	**6.6** J	ND	**23**	**4.8** J	ND	**12**	50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	**1.9** J	ND	ND	**3.5** J	12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	130,000
p-Diethylbenzene	ND	ND	ND	ND	ND	**0.34** J	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-41 5-6	SB-42 8-10	SB-43 8-9	SB-44 8-9	SB-46 8-10	SB-47 8-10	SB-48 8-10	SB-49 8-10	SB-50 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/5/2015	8/6/2015	8/3/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015			
Sample Time	9:00	8:40	13:50	8:10	15:15	12:20	12:50	12:30	12:45			
Laboratory ID	L1518815-14	L1518815-20	L1518815-10	L1518815-12	L1518221-28	L1518556-17	L1518556-14	L1518556-19	l1518556-21			
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	60	70,000	44,000
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	Not Specified	500,000
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND			
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-41 5-6	SB-42 8-10	SB-43 8-9	SB-44 8-9	SB-46 8-10	SB-47 8-10	SB-48 8-10	SB-49 8-10	SB-50 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/5/2015	8/6/2015	8/3/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015			
Sample Time	9:00	8:40	13:50	8:10	15:15	12:20	12:50	12:30	12:45			
Laboratory ID	L1518815-14	L1518815-20	L1518815-10	L1518815-12	L1518221-28	L1518556-17	L1518556-14	L1518556-19	l1518556-21			
Analyte (µg/kg)												
Acetone	**9.4** J	**32**	**5.5** J	ND	**3.0** J	ND	ND	**24**	**60**	50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	100	130,000
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-51 8-10	SB-52 8-9	SB-53 8-10	SB-54 8-9	SB-55 8-10	SB-56 8-10	SB-57 0-2	SB-58 0-2		**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/4/2015	8/4/2015	8/5/2015	8/5/2015				
Sample Time	13:00	13:25	13:15	13:35	12:35	12:20	10:00	11:45				
Laboratory ID	L1518556-23	L1518815-06	L1518556-25	L1518815-08	L1518556-12	L1518556-10	L1518815-01	L1518815-02				
Analyte (µg/kg)												
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND		50	12,000	500,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND		270	Not Specified	240,000
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND		370	12,000	350,000
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND		760	Not Specified	22,000
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Dibromochloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND		1,300	2,000	150,000
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,100	40,000	500,000
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND		20	10,000	30,000
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND		680	Not Specified	500,000
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Benzene	ND	ND	ND	ND	ND	ND	ND	ND		60	70,000	44,000
Toluene	ND	ND	ND	ND	ND	ND	ND	ND		700	36,000	500,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,000	Not Specified	390,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND		20	Not Specified	13,000
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND		330	Not Specified	500,000
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND		190	Not Specified	500,000
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND		470	2,000	200,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,100	Not Specified	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		2,400	Not Specified	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,800	20,000	130,000
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND		930	Not Specified	500,000
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND		260	1,600	500,000
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND				
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND		250	Not Specified	500,000
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Styrene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 1
Soil Boring Probe Anaytical Results
Volatile Organic Compounds - USEPA Method 8260C

Sample ID	SB-51 8-10	SB-52 8-9	SB-53 8-10	SB-54 8-9	SB-55 8-10	SB-56 8-10	SB-57 0-2	SB-58 0-2		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/4/2015	8/4/2015	8/5/2015	8/5/2015				
Sample Time	13:00	13:25	13:15	13:35	12:35	12:20	10:00	11:45				
Laboratory ID	L1518556-23	L1518815-06	L1518556-25	L1518815-08	L1518556-12	L1518556-10	L1518815-01	L1518815-02				
Analyte (µg/kg)												
Acetone	**22**	**6.4** J	**15**	**14**	ND	**6.9** J	ND	**18**		50	2,200	500,000
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND		120	100,000	500,000
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Hexanone (MBK)	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		12,000	Not Specified	500,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		11,000	Not Specified	500,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		5,900	Not Specified	500,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	**1.1** J		12,000	Not Specified	500,000
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		3,900	Not Specified	500,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		8,400	Not Specified	190,000
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		3,600	Not Specified	190,000
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND		100	100	130,000
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Ethyl ether	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
trans-1,4-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-4 13-15	SB-5 8-10	SB-6 8-10	SB-7 10-12	SB-8 8-9	SB-9 8-9	SB-10 8-9	SB-11 8-9	SB-12 7-8	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	14:45	14:15	15:45	12:15	10:55	10:25	11:20	11:05	10:15			
Laboratory ID	L1518221-26	L1518221-24	L1518221-30	L1518815-46	L1518815-40	L1518815-38	L1518815-44	L1518815-42	L1518815-36			
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-4 13-15	SB-5 8-10	SB-6 8-10	SB-7 10-12	SB-8 8-9	SB-9 8-9	SB-10 8-9	SB-11 8-9	SB-12 7-8	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	14:45	14:15	15:45	12:15	10:55	10:25	11:20	11:05	10:15			
Laboratory ID	L1518221-26	L1518221-24	L1518221-30	L1518815-46	L1518815-40	L1518815-38	L1518815-44	L1518815-42	L1518815-36			
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-13 7-7.5	SB-15 8-10	SB-16 8-10	SB-17 10-12	SB-18 8-10	SB-19 8-10	SB-20 6-8	SB-21 8-10	SB-22 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/5/2015	8/3/2015	8/3/2015			
Sample Time	8:35	13:45	12:15	12:45	13:15	16:15	12:03	11:15	11:45			
Laboratory ID	L1518815-22	L1518221-22	L1518221-16	L1518221-18	L1518221-20	L1518221-32	L1518556-15	L1518221-12	L1518221-14			
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	**780**	100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	**370**	Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	**300**	1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	**320**	1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	**390**	1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	**290**	800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	**400**	1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-13 7-7.5	SB-15 8-10	SB-16 8-10	SB-17 10-12	SB-18 8-10	SB-19 8-10	SB-20 6-8	SB-21 8-10	SB-22 8-10	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/6/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/5/2015	8/3/2015	8/3/2015			
Sample Time	8:35	13:45	12:15	12:45	13:15	16:15	12:03	11:15	11:45			
Laboratory ID	L1518815-22	L1518221-22	L1518221-16	L1518221-18	L1518221-20	L1518221-32	L1518556-15	L1518221-12	L1518221-14			
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	**62** J	100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	**220**	100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	**340**	100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	**79** J	330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	**210**	500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	**630**	100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	**130** J	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	**100** J	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-23 13-15	SB-24 13-15	SB-25 8-10	SB-26 13-15	SB-27 8-10	SB-28 8-10	SB-29 8-9	SB-30 8-9	SB-31 8-9	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	9:45	10:15	8:45	9:15	10:45	9:22	9:30	9:10	8:50			
Laboratory ID	L1518221-06	L1518221-08	L1518221-02	L1518221-04	L1518221-10	L1518815-30	L1518815-32	L1518815-28	L1518815-24			
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	**34** J	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-23 13-15	SB-24 13-15	SB-25 8-10	SB-26 13-15	SB-27 8-10	SB-28 8-10	SB-29 8-9	SB-30 8-9	SB-31 8-9	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	9:45	10:15	8:45	9:15	10:45	9:22	9:30	9:10	8:50			
Laboratory ID	L1518221-06	L1518221-08	L1518221-02	L1518221-04	L1518221-10	L1518815-30	L1518815-32	L1518815-28	L1518815-24			
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-32 8-9	SB-33 8-9	SB-34 8-9	SB-35 8-9	SB-36 5-6	SB-37 5-6	SB-38 5-6	SB-39 5-6	SB-40 5-6	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015	8/4/2015	8/4/2015	8/4/2015	8/5/2015			
Sample Time	9:00	9:45	8:20	8:30	10:00	10:30	12:15	12:00	13:45			
Laboratory ID	L1518815-26	L1518815-34	L1518815-16	L1518815-18	L1518556-02	L1518556-04	L1518556-06	L1518556-08	L1518815-04			
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-32 8-9	SB-33 8-9	SB-34 8-9	SB-35 8-9	SB-36 5-6	SB-37 5-6	SB-38 5-6	SB-39 5-6	SB-40 5-6	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015	8/4/2015	8/4/2015	8/4/2015	8/5/2015			
Sample Time	9:00	9:45	8:20	8:30	10:00	10:30	12:15	12:00	13:45			
Laboratory ID	L1518815-26	L1518815-34	L1518815-16	L1518815-18	L1518556-02	L1518556-04	L1518556-06	L1518556-08	L1518815-04			
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-41 5-6	SB-42 8-10	SB-43 8-9	SB-44 8-9	SB-46 8-10	SB-47 8-10	SB-48 8-10	SB-49 8-10	SB-50 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/5/2015	8/6/2015	8/3/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015			
Sample Time	9:00	8:40	13:50	8:10	15:15	12:20	12:50	12:30	12:45			
Laboratory ID	L1518815-14	L1518815-20	L1518815-10	L1518815-12	L1518221-28	L1518556-17	L1518556-14	L1518556-19	l1518556-21			
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-41 5-6	SB-42 8-10	SB-43 8-9	SB-44 8-9	SB-46 8-10	SB-47 8-10	SB-48 8-10	SB-49 8-10	SB-50 8-10	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)**
Sample Date	8/6/2015	8/6/2015	8/5/2015	8/6/2015	8/3/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015			
Sample Time	9:00	8:40	13:50	8:10	15:15	12:20	12:50	12:30	12:45			
Laboratory ID	L1518815-14	L1518815-20	L1518815-10	L1518815-12	L1518221-28	L1518556-17	L1518556-14	L1518556-19	l1518556-21			
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND	ND	330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-51 8-10	SB-52 8-9	SB-53 8-10	SB-54 8-9	SB-55 8-10	SB-56 8-10	SB-57 0-2	SB-58 0-2		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/4/2015	8/4/2015	8/5/2015	8/5/2015				
Sample Time	13:00	13:25	13:15	13:35	12:35	12:20	10:00	11:45				
Laboratory ID	L1518556-23	L1518815-06	L1518556-25	L1518815-08	L1518556-12	L1518556-10	L1518815-01	L1518815-02				
Analyte (µg/kg)												
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND		20,000	20,000	500,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,100	1,100	500,000
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		2,400	2,400	280,000
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		1,800	1,800	130,000
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,4-Dinitortoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000
4-Chlorophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND		12,000	Not Specified	500,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
NitrosoDiPhenylAmine (NDPA)	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
n-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Di-n-octylphthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND		1,000	Not Specified	5,600
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND		1,000	2,600	1,000
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND		1,000	Not Specified	5,600
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND		800	Not Specified	56,000
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND		1,000	Not Specified	56,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 2
Soil Boring Probe Anaytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	SB-51 8-10	SB-52 8-9	SB-53 8-10	SB-54 8-9	SB-55 8-10	SB-56 8-10	SB-57 0-2	SB-58 0-2		NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppb)	NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppb)
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/4/2015	8/4/2015	8/5/2015	8/5/2015				
Sample Time	13:00	13:25	13:15	13:35	12:35	12:20	10:00	11:45				
Laboratory ID	L1518556-23	L1518815-06	L1518556-25	L1518815-08	L1518556-12	L1518556-10	L1518815-01	L1518815-02				
Analyte (µg/kg)												
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND		30,000	30,000	500,000
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND		330	Not Specified	560
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND		500	Not Specified	5,600
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND		100,000	Not Specified	500,000
Biphenyl	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4-Chloroaniline	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Acetophenone	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
P-Chloro-M-Cresol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND		800	800	6,700
Phenol	ND	ND	ND	ND	ND	ND	ND	ND		330	30,000	500,000
2-Methylphenol (o-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND		330	Not Specified	500,000
3/4-Methylphenol (m/p-Cresol)	ND	ND	ND	ND	ND	ND	ND	ND		330	Not Specified	500,000
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Benzoic Acid	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Benzyl Alcohol	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND		Not Specified	Not Specified	Not Specified

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 3
Soil Boring Probe Anaytical Results
USEPA RCRA Target Analyte List (TAL) Metals with Total Iron, Total Zinc and Total Cyanide - USEPA Methods 6010A/7470

Sample ID	SB-4 0-2	SB-5 0-2	SB-6 0-2	SB-7 0-2	SB-8 0-2	SB-9 0-2	SB-10 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015			
Sample Time	14:30	14:00	15:30	12:00	10:50	10:20	11:10			
Laboratory ID	L1518221-25	L1518221-23	L1518221-29	L1518815-45	L1518815-39	L1518815-37	L1518815-43			
Analyte (mg/kg)										
Arsenic, Total	**5.4**	**7.0**	**5.4**	**16**	**2.6**	**2.5**	**2.8**	13	13	16
Barium, Total	**28**	**33**	**27**	**260**	**19**	**32**	**28**	350	433	400
Cadmium, Total	**0.07** J	**45**	**0.16** J	**160**	**12**	ND	ND	2.5	4.0	9.3
Chromium, Total	**13**	**18**	**11**	**160**	**10**	**9.5**	**11**	30	41	1,500
Iron, Total	**11,000**	**12,000**	**12,000**	**190,000**	**9,700**	**9,600**	**11,000**	Not Specified	Not Specified	Not Specified
Lead, Total	ND	**31**	**1.3** J	**100**	**1.6** J	**0.81** J	**0.84** J	63	63	1,000
Mercury, Total	**0.05** J	**0.04** J	**0.03** J	**0.27**	**0.04** J	**0.02** J	**0.02** J	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	**1.6**	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**13**	**62**	**14**	**390**	**17**	**11**	**13**	109	109	10,000
Cyanide, Total	**0.60** J	**0.44** J	**0.31** J	**1.0** J	**2.1**	ND	ND	27	Not Specified	27

Sample ID	SB-11 0-2	SB-12 0-2	SB-13 0-2	SB-15 0-2	SB-16 0-2	SB-17 0-2	SB-18 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015			
Sample Time	11:00	10:00	8:30	13:30	12:00	12:30	13:00			
Laboratory ID	L1518815-41	L1518815-35	L1815815-21	L1518221-21	L1518221-15	L1518221-17	L1518221-19			
Analyte (mg/kg)										
Arsenic, Total	**4.1**	**1.7**	**2.7**	**4.7**	**4.8**	**2.6**	**6.0**	13	13	16
Barium, Total	**35**	**17**	**23**	**33**	**26**	**12**	**28**	350	433	400
Cadmium, Total	ND	ND	ND	ND	**3.6**	**0.63**	**17**	2.5	4.0	9.3
Chromium, Total	**14**	**35**	**12**	**12**	**13**	**4.9**	**24**	30	41	1,500
Iron, Total	**12,000**	**6,600**	**10,000**	**9,800**	**11,000**	**5,000**	**7,800**	Not Specified	Not Specified	Not Specified
Lead, Total	**5.8**	**1.0** J	**0.53** J	**1.0** J	**2.0** J	**2.5**	**60**	63	63	1,000
Mercury, Total	**0.06** J	**0.02** J	ND	**0.04** J	**0.03** J	ND	**0.09**	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	**0.28** J	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**18**	**10**	**11**	**13**	**24**	**9.8**	**54**	109	109	10,000
Cyanide, Total	ND	ND	ND	ND	ND	ND	**1.8**	27	Not Specified	27

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 3
Soil Boring Probe Anaytical Results
USEPA RCRA Target Analyte List (TAL) Metals with Total Iron, Total Zinc and Total Cyanide - USEPA Methods 6010A/7470

Sample ID	SB-19 0-2	SB-20 0-2	SB-20 2-4	SB-20 4-6	SB-20 6-8	SB-21 0-2	SB-22 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/3/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/3/2015	8/3/2015			
Sample Time	16:00	11:55	11:58	12:01	12:03	11:00	11:30			
Laboratory ID	L1518221-31	L1518556-26	L1518556-27	L1518556-28	L1518556-	L1518221-11	L1518221-13			
Analyte (mg/kg)										
Arsenic, Total	**23**	**1.7**	**0.95**	**1.2**	**1.3**	**3.8**	**3.5**	13	13	16
Barium, Total	**43**	**5.1**	**3.5**	**4.4**	**3.3**	**20**	**16**	350	433	400
Cadmium, Total *	**44**	**12**	**8.3**	**12**	**10**	**4.5**	**16**	2.5	4.0	9.3
Chromium, Total	**130**	**39**	**28**	**30**	**7.0**	**8.6**	**17**	30	41	1,500
Iron, Total	**51,000**	**2,100**	**1,500**	**2,000**	**1,900**	**8,300**	**6,300**	Not Specified	Not Specified	Not Specified
Lead, Total	ND	**12**	**4.1**	**4.9**	ND	**0.18** J	**19**	63	63	1,000
Mercury, Total	**0.07** J	ND	ND	ND	ND	**0.02** J	**0.10**	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	**0.20** J	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**67**	**18**	**11**	**14**	**29**	**12**	**33**	109	109	10,000
Cyanide, Total	**0.77** J	**1.5**	**1.4**	**0.55** J	**0.50** J	ND	**2.5**	27	Not Specified	27

Sample ID	SB-23 0-2	SB-24 0-2	SB-25 0-2	SB-26 0-2	SB-27 0-2	SB-28 0-2	SB-29 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/3/2015	8/6/2015	8/6/2015			
Sample Time	9:30	10:00	8:30	9:00	10:30	9:15	9:25			
Laboratory ID	L1518221-05	L1518221-07	L1518221-01	L1518221-03	L1518221-09	L1518815-29	L1518815-31			
Analyte (mg/kg)										
Arsenic, Total	**5.4**	**6.5**	**3.9**	**5.7**	**2.6**	**2.7**	**2.8**	13	13	16
Barium, Total	**24**	**35**	**19**	**31**	**12**	**33**	**31**	350	433	400
Cadmium, Total *	**0.03** J	**0.21** J	ND	**0.03** J	ND	ND	ND	2.5	4.0	9.3
Chromium, Total	**11**	**12**	**7.4**	**13**	**5.6**	**10**	**11**	30	41	1,500
Iron, Total	**11,000**	**12,000**	**7,000**	**12,000**	**5,700**	**10,000**	**11,000**	Not Specified	Not Specified	Not Specified
Lead, Total	**0.40** J	**3.1**	**0.91** J	**1.9** J	**1.1** J	**2.1** J	**1.0** J	63	63	1,000
Mercury, Total	**0.03** J	**0.06** J	**0.03** J	**0.04** J	**0.02** J	**0.02** J	**0.02** J	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	**0.14** J	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**16**	**15**	**9.3**	**18**	**8.8**	**13**	**16**	109	109	10,000
Cyanide, Total	**0.66** J	ND	ND	ND	ND	**0.57** J	ND	27	Not Specified	27

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 3
Soil Boring Probe Anaytical Results
USEPA RCRA Target Analyte List (TAL) Metals with Total Iron, Total Zinc and Total Cyanide - USEPA Methods 6010A/7470

Sample ID	SB-30 0-2	SB-31 0-2	SB-32 0-2	SB-33 0-2	SB-34 0-2	SB-35 0-2	SB-36 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/6/2015	8/4/2015			
Sample Time	9:05	8:45	8:55	9:35	8:15	8:25	10:00			
Laboratory ID	L1518815-27	L1518815-23	L1518815-25	L1518815-33	L1518815-15	L1518815-17	L1518556-01			
Analyte (mg/kg)										
Arsenic, Total	**2.5**	**3.0**	**2.9**	**2.8**	**3.0**	**2.9**	**5.9**	13	13	16
Barium, Total	**26**	**24**	**33**	**20**	**27**	**25**	**33**	350	433	400
Cadmium, Total *	ND	**9.6**	ND	**4.7**	ND	ND	**8.0**	2.5	4.0	9.3
Chromium, Total	**9.1**	**9.1**	**11**	**7.2**	**11**	**11**	**13**	30	41	1,500
Iron, Total	**9,900**	**10,000**	**11,000**	**8,400**	**10,000**	**11,000**	**12,000**	Not Specified	Not Specified	Not Specified
Lead, Total	**0.97** J	**3.3**	**0.82** J	**4.6**	**1.5** J	**0.8** J	**16**	63	63	1,000
Mercury, Total	**0.03** J	**0.03** J	**0.04** J	**0.05** J	**0.02** J	**0.03** J	**0.02** J	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**12**	**15**	**12**	**9.4**	**12**	**12**	**21**	109	109	10,000
Cyanide, Total	ND	ND	ND	ND	ND	ND	**0.55** J	27	Not Specified	27

Sample ID	SB-37 0-2	SB-38 0-2	SB-39 2-3	SB-40 0-2	SB-41 1-2	SB-42 0-2	SB-43 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/4/2015	8/4/2015	8/4/2015	8/5/2015	8/6/2015	8/6/2015	8/5/2015			
Sample Time	10:15	11:35	11:10	13:30	8:00	8:35	13:40			
Laboratory ID	L1518556-03	L1518556-05	L1518556-07	L1518815-03	L1518815-13	L1518815-19	L1518815-09			
Analyte (mg/kg)										
Arsenic, Total	**5.1**	**5.8**	**5.0**	**3.8**	**1.6**	**2.4**	**3.2**	13	13	16
Barium, Total	**39**	**30**	**19**	**15**	**12**	**26**	**25**	350	433	400
Cadmium, Total *	ND	**26**	**2.7**	**1.4**	ND	ND	ND	2.5	4.0	9.3
Chromium, Total	**10**	**15**	**15**	**8.0**	**6.9**	**9.8**	**10**	30	41	1,500
Iron, Total	**11,000**	**12,000**	**10,000**	**7,800**	**4,600**	**10,000**	**9,900**	Not Specified	Not Specified	Not Specified
Lead, Total	ND	ND	ND	ND	**0.88** J	**1.4** J	**2.0**	63	63	1,000
Mercury, Total	**0.02** J	ND	ND	ND	ND	**0.02** J	**0.04** J	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**11**	**14**	**14**	**10**	**5.4**	**13**	**12**	109	109	10,000
Cyanide, Total	**0.86** J	**1.2**	**0.54** J	ND	ND	ND	ND	27	Not Specified	27

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
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Table 3
Soil Boring Probe Anaytical Results
USEPA RCRA Target Analyte List (TAL) Metals with Total Iron, Total Zinc and Total Cyanide - USEPA Methods 6010A/7470

Sample ID	SB-44 0-2	SB-46 0-2	SB-47 0-2	SB-48 0-2	SB-49 0-2	SB-50 0-2	SB-51 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/6/2015	8/3/2015	8/5/2015	8/4/2015	8/5/2015	8/5/2015	8/5/2015			
Sample Time	8:00	15:00	12:15	12:45	12:25	12:35	12:55			
Laboratory ID	L1518815-11	L1518221-27	L1518556-17	L1518556-13	L1518556-18	L1518556-20	L1518556-22			
Analyte (mg/kg)										
Arsenic, Total	**3.5**	**4.8**	**5.7**	**4.5**	**6.1**	**5.7**	**3.9**	13	13	16
Barium, Total	**21**	**29**	**35**	**22**	**31**	**19**	**16**	350	433	400
Cadmium, Total *	ND	**71**	**16**	ND	ND	ND	**0.93**	2.5	4.0	9.3
Chromium, Total	**12**	**11**	**21**	**11**	**14**	**16**	**5.8**	30	41	1,500
Iron, Total	**10,000**	**9,800**	**12,000**	**8,800**	**12,000**	**11,000**	**6,400**	Not Specified	Not Specified	Not Specified
Lead, Total	**3.0**	**0.23** J	ND	ND	ND	ND	**4.0**	63	63	1,000
Mercury, Total	**0.03** J	**0.03** J	**0.04** J	**0.072** J	ND	**0.02** J	**0.02** J	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**13**	**15**	**15**	**9.8**	**13**	**16**	**12**	109	109	10,000
Cyanide, Total	ND	**2.3**	**0.37** J	**0.28** J	**3.0**	ND	**0.28** J	27	Not Specified	27

Sample ID	SB-52 0-2	SB-53 0-2	SB-54 0-2	SB-55 0-2	SB-56 0-2	SB-57 0-2	SB-58 0-2	**NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Protection of Ecological Resources Soil Cleanup Objectives (ppm)**	**NYSDEC Part 375 Restricted Commercial Soil Cleanup Objectives (ppm)**
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/4/2015	8/4/2015	8/5/2015	8/5/2015			
Sample Time	13:20	13:05	13:30	12:30	12:15	10:00	11:45			
Laboratory ID	L1518815-05	L1518556-24	L1518815-07	L1518556-11	L1518556-09	L1518815-01	L1518815-02			
Analyte (mg/kg)										
Arsenic, Total	**3.1**	**4.0**	**3.0**	**4.1**	**3.2**	**14**	**0.41** J	13	13	16
Barium, Total	**19**	**22**	**20**	**24**	**21**	**3.6**	**2.6**	350	433	400
Cadmium, Total *	ND	ND	ND	ND	**1.7**	**0.13** J	**0.47**	2.5	4.0	9.3
Chromium, Total	**8.2**	**7.7**	**10**	**7.8**	**6.2**	**13**	**4.3**	30	41	1,500
Iron, Total	**9,400**	**9,200**	**10,000**	**8,600**	**6,300**	**4,200**	**660**	Not Specified	Not Specified	Not Specified
Lead, Total	**2.8**	ND	**1.2** J	ND	**7.9**	ND	**0.35** J	63	63	1,000
Mercury, Total	**0.06** J	ND	ND	ND	ND	**0.02** J	ND	0.18	0.18	2.8
Selenium, Total	ND	ND	ND	ND	ND	ND	ND	3.9	3.9	1,500
Silver, Total	ND	ND	ND	ND	ND	ND	ND	2.0	2.0	1,500
Zinc, Total	**11**	**11**	**13**	**10**	**11**	**3.3**	**1.5** J	109	109	10,000
Cyanide, Total	ND	ND	ND	ND	**0.34** J	**0.31** J	ND	27	Not Specified	27

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 4
Temporary Groundwater Probe Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-7	TMP-8	**NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)**
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	
Sample Time	10:30	10:50	9:45	11:20	8:15	9:15	8:45	11:40	
Laboratory ID	L1518362-05	L1518362-06	L1518362-04	L1518362-07	L1518362-01	L1518362-03	L1518362-02	L1518362-08	
Analyte (µg/l)									
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Chloroform	ND	ND	ND	**1.8** J	ND	ND	**0.97** J	ND	7.0
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50.0
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1.0
Tetrachloroethene	ND	ND	ND	ND	**0.23** J	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	**0.9**	ND	ND	ND	ND	50.0
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	50.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	2.0
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3.0
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	10.0
p/m-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte eceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 4
Temporary Groundwater Probe Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	TMP-1	TMP-2	TMP-3	TMP-4	TMP-5	TMP-6	TMP-7	TMP-8	**NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)**
Sample Date	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	8/5/2015	
Sample Time	10:30	10:50	9:45	11:20	8:15	9:15	8:45	11:40	
Laboratory ID	L1518362-05	L1518362-06	L1518362-04	L1518362-07	L1518362-01	L1518362-03	L1518362-02	L1518362-08	
Analyte (µg/l)									
Acrylonitrile	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Acetone	ND	ND	ND	ND	**1.9** J	ND	**1.5** J	ND	50.0
Caron Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	60.0
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	50.0
Vinyl Acetate	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	50.0
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	10.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5.0
Ethyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	Not Specified
trans-1,2-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	ND	ND	5.0

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte eceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 5
Onsite Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	MW-2	MW-3	MW-6	MW-7B	MW-21A	MW-21B	**NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)**
Sample Date	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	
Sample Time	9:20	9:50	9:00	9:10	9:30	9:40	
Laboratory ID	L1519597-03	L1519597-06	L1519597-01	L1519597-02	L1519597-04	L1519597-05	
Analyte (µg/l)							
Methylene Chloride	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	5.0
Chloroform	ND	ND	ND	ND	ND	ND	7.0
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	1.0
Dibromochloromethane	ND	ND	ND	ND	ND	ND	50.0
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	1.0
Tetrachloroethene	**5.2**	ND	ND	ND	ND	ND	5.0
Chlorobenzene	ND	ND	ND	ND	ND	ND	5.0
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	5.0
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	0.6
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	5.0
Bromodichloromethane	ND	ND	ND	ND	ND	ND	50.0
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	0.4
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	5.0
Bromoform	ND	ND	ND	ND	ND	ND	50.0
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	5.0
Benzene	ND	ND	ND	ND	ND	ND	0.7
Toluene	ND	ND	ND	ND	ND	ND	5.0
Ethylbenzene	ND	ND	ND	ND	ND	ND	5.0
Chloromethane	ND	ND	ND	ND	ND	ND	5.0
Bromomethane	ND	ND	ND	ND	ND	ND	5.0
Vinyl Chloride	**1.6**	ND	ND	ND	ND	ND	2.0
Chloroethane	ND	ND	ND	ND	ND	ND	5.0
1,1-Dichloroethene	**0.19** J	ND	ND	ND	ND	ND	5.0
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	5.0
Trichloroethene	**2.0**	ND	ND	ND	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3.0
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3.0
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3.0
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	10.0
p/m-Xylene	ND	ND	ND	ND	ND	ND	5.0
o-Xylene	ND	ND	ND	ND	ND	ND	5.0
cis-1,2-Dichloroethene	**0.79** J	ND	ND	ND	ND	ND	5.0
Dibromomethane	ND	ND	ND	ND	ND	ND	5.0
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	0.04

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte eceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 5
Onsite Groundwater Monitoring Well Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	MW-2	MW-3	MW-6	MW-7B	MW-21A	MW-21B	**NYSDEC Part 703 Class GA Groundwater Quality Standards (µg/l)**
Sample Date	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	
Sample Time	9:20	9:50	9:00	9:10	9:30	9:40	
Laboratory ID	L1519597-03	L1519597-06	L1519597-01	L1519597-02	L1519597-04	L1519597-05	
Analyte (µg/l)							
Acrylonitrile	ND	ND	ND	ND	ND	ND	5.0
Styrene	ND	ND	ND	ND	ND	ND	5.0
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	5.0
Acetone	**32**	ND	**44**	**20**	**26**	**17**	50.0
Caron Disulfide	ND	ND	ND	ND	ND	ND	60.0
2-Butanone (MEK)	**15**	ND	**14**	**14**	**14**	**15**	50.0
Vinyl Acetate	ND	ND	ND	ND	ND	ND	Not Specified
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	Not Specified
2-Hexanone	ND	ND	ND	ND	ND	ND	50.0
Bromochloromethane	ND	ND	ND	ND	ND	ND	5.0
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	5.0
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	Not Specified
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	5.0
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	5.0
Bromobenzene	ND	ND	ND	ND	ND	ND	5.0
n-Butylbenzene	ND	ND	ND	ND	ND	ND	5.0
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	5.0
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	5.0
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	5.0
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	5.0
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	ND	ND	ND	ND	5.0
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	5.0
Naphthalene	ND	ND	ND	ND	ND	ND	10.0
n-Propylbenzene	ND	ND	ND	ND	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	5.0
1,4-Dioxane	ND	ND	ND	ND	ND	ND	Not Specified
p-Diethylbenzene	ND	ND	ND	ND	ND	ND	Not Specified
p-Ethyltoluene	ND	ND	ND	ND	ND	ND	Not Specified
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	ND	ND	5.0
Ethyl Ether	ND	ND	ND	ND	ND	ND	Not Specified
trans-1,2-Dichloro-2-butene	ND	ND	ND	ND	ND	ND	5.0

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte eceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 6
Storm Water Drywell Sediment Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	DW-1	DW-2	DW-3	DW-4	DW-5	DW-6	**SCDHS Article 12**
Sample Date	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	**SOP 9-95 Pumpout and**
Sample Time	7:30	8:00	8:30	9:00	9:30	10:00	**Soil Cleanup Criteria**
Laboratory ID	L1518923-01	L1518923-02	L1518923-03	L1518923-04	L1518923-05	L1518923-06	**Action Levels (ppb)**
Analyte (µg/kg)							
Methylene Chloride	ND	ND	ND	ND	ND	ND	100
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	600
Chloroform	ND	ND	ND	ND	ND	ND	800
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	1,600
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	100
Dibromochloromethane	ND	ND	ND	ND	ND	ND	6,200
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	200
Tetrachloroethene	ND	ND	ND	ND	ND	ND	2,600
Chlorobenzene	ND	ND	ND	ND	ND	ND	2,200
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	1,600
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	100
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	1,400
Bromodichloromethane	ND	ND	ND	ND	ND	ND	4,600
trans-1,3-Dicholoropropene	ND	ND	ND	ND	ND	ND	100
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	100
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	200
Bromoform	ND	ND	ND	ND	ND	ND	13,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	800
Benzene	ND	ND	ND	ND	ND	ND	120
Toluene	ND	ND	ND	ND	ND	ND	3,000
Ethylbenzene	ND	ND	ND	ND	ND	ND	2,000
Vinyl Chloride	ND	ND	ND	ND	ND	ND	100
Chloroethane	ND	ND	ND	ND	ND	ND	400
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	600
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	400
Trichloroethene	ND	ND	ND	ND	ND	ND	1,000
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	2,200
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	4,800
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	3,600
Methyl tert-Butyl Ether	ND	ND	ND	ND	ND	ND	200
p/m-Xylene	ND	ND	ND	ND	ND	ND	3,200
o-Xylene	ND	ND	ND	ND	ND	ND	
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	500
Dibromomethane	ND	ND	ND	ND	ND	ND	400
Styrene	ND	ND	ND	ND	ND	ND	9,200
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	600
Acetone	ND	ND	ND	ND	ND	ND	**
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	400
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	1,400
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	100
Bromochloromethane	ND	ND	ND	ND	ND	ND	400
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	600
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	600
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	600
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	600
Bromobenzene	ND	ND	ND	ND	ND	ND	2,800

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 6
Storm Water Drywell Sediment Analytical Results
Volatile Organic Compounds - USEPA Method 8260B

Sample ID	DW-1	DW-2	DW-3	DW-4	DW-5	DW-6	**SCDHS Article 12**
Sample Date	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	**SOP 9-95 Pumpout and**
Sample Time	7:30	8:00	8:30	9:00	9:30	10:00	**Soil Cleanup Criteria**
Laboratory ID	L1518923-01	L1518923-02	L1518923-03	L1518923-04	L1518923-05	L1518923-06	**Action Levels (ppb)**
Analyte (µg/kg)							
n-Butylbenzene	ND	ND	ND	ND	ND	ND	12,000
sec-Butylbenzene	ND	ND	ND	ND	ND	ND	12,000
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	12,000
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	5,200
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	5,200
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	100
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	54,000
Isopropylbenzene	ND	ND	ND	ND	ND	ND	9,400
p-Isopropyltoluene	**0.28** J	ND	ND	ND	ND	ND	22,000
Naphthalene	ND	ND	ND	ND	ND	ND	24,000
n-Propylbenzene	ND	ND	ND	ND	ND	ND	8,000
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	17,000
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	17,000
1,3,5-Trimethylbenzene	**0.5** J	ND	ND	ND	ND	ND	16,800
1,2,4-Trimethylbenzene	**1.3** J	ND	ND	ND	ND	ND	7,200
Freon-113	ND	ND	ND	ND	ND	ND	12,000
p-Diethylbenzene	**2.7** J	ND	ND	ND	ND	ND	52,000
p-Ethyltoluene	**0.55** J	ND	ND	ND	ND	ND	9,000
1,2,4,5-Tetramethylbenzene	**1.2** J	ND	ND	ND	ND	ND	18,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 7
Storm Water Drywell Sediment Analytical Results
Semi-Volatile Organic Compounds - USEPA Method 8270C

Sample ID	DW-1	DW-2	DW-3	DW-4	DW-5	DW-6	**SCDHS Article 12 SOP 9-95 Pumpout and Soil Cleanup Criteria Action Levels (ppb)**
Sample Date	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	
Sample Time	7:30	8:00	8:30	9:00	9:30	10:00	
Laboratory ID	L1518923-01	L1518923-02	L1518923-03	L1518923-04	L1518923-05	L1518923-06	
Analyte (µg/kg)							
Acenaphthene	ND	ND	ND	ND	ND	ND	200,000
Fluoranthene	**240**	**650**	**1,000**	**500**	**170**	**210**	200,000
Benzo(a)anthracene	**78** J	**210**	**370**	**180**	**69** J	**76** J	2,000
Benzo(a)pyrene	**84** J	**300**	**530**	**280**	**64** J	**110** J	44,000
Benzo(b)fluoranthene	**140**	**540**	**980**	**510**	**90** J	**230**	3,400
Benzo(k)fluoranthene	**62** J	**210**	**400**	**200**	ND	**76** J	3,400
Chrysene	**130**	**440**	**770**	**370**	**83** J	**200**	2,000
Anthracene	ND	ND	ND	ND	ND	ND	200,000
Benzo(g,h,i)perylene	**63** J	**240**	**420**	**220**	ND	**82** J	200,000
Fluorene	ND	ND	ND	ND	ND	ND	200,000
Phenanthrene	**110** J	**200**	**350**	**150**	**77** J	**62** J	200,000
Dibenzo(a,h)anthracene	ND	**53** J	**96** J	**54** J	ND	ND	200,000
Indeno(1,2,3-cd)pyrene	**60** J	**260**	**440**	**230**	ND	**88** J	16,000
Pyrene	**200**	**530**	**880**	**400**	**120**	**190**	200,000

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

DFCI Solutions, Inc. Site
425 Union Bouelvard, West Islip, New York

Table 8
Storm Water Drywell Sediment Analytical Results
Total Metals - USEPA Methods 6010/7471A

Sample ID	DW-1	DW-2	DW-3	DW-4	DW-5	DW-6	**SCDHS Article 12 SOP 9-95 Pumpout and Soil Cleanup Criteria Action Levels (ppm)**
Sample Date	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	8/7/2015	
Sample Time	7:30	8:00	8:30	9:00	9:30	10:00	
Laboratory ID	L1518923-01	L1518923-02	L1518923-03	L1518923-04	L1518923-05	L1518923-06	
Analyte (mg/kg)							
Arsenic, Total	**5.4**	**3.6**	**4.0**	**4.9**	**3.2**	**2.6**	30
Barium, Total	**23.0**	**15**	**14**	**15**	**16**	**7.7**	4,000
Beryllium, Total	**0.27**	**0.08** J	ND	**0.09** J	**0.14** J	ND	240
Cadmium, Total	**8.6**	**1.1**	**0.89**	**4.8**	**3.5**	**26**	40
Chromium, Total	**10.0**	**7.5**	**12**	**10**	**7.2**	**4.0**	100
Copper, Total	**16.0**	**27**	**49**	**34**	**5.2**	**29**	8,500
Lead, Total	**4.4**	**4.4**	**14**	**22**	**8.8**	**3.0**	2,000
Mercury, Total	**0.028** J	ND	**0.027** J	**0.023** J	ND	ND	3.7
Nickel, Total	**6.3**	**4.6**	**7.6**	**6.5**	**4.4**	**10**	650
Selenium, Total	ND	ND	ND	ND	ND	ND	-
Silver, Total	ND	ND	ND	ND	ND	ND	50

ND - Non-Detect
J - Laboratory estimated value
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Appendices

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility

425 Union Boulevard, West Islip, New York

Appendix A

Health and Safety Plan

Health and Safety Plan

July 31, 2015 Revision

Conducted at:

DFCI Solutions Site
425 Union Boulevard
West Islip, New York
NYSDEC Inactive Hazardous Waste Facility ID No. 152033

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York

IMPACT ENVIRONMENTAL

170 KEYLAND COURT, BOHEMIA, NEW YORK 11716 | 631.269.8800 TELEPHONE | 631. 269.1599 FACSIMILE | IMPACTENVIRONMENTAL.COM

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Appendices

1 Introduction

This Health and Safety Plan (HASP) describes the procedures to be followed in order to reduce employee exposure to potential health and safety hazards that may be present during the Phase II Environmental Site Assessment (Phase II ESA), due diligence field investigation work at 425 Union Boulevard in West Islip, New York, herein referred to as the "site". The Site is New York State Class 4 Inactive Hazardous Waste Disposal Site; the remediation phase for both Remedial Operable Units for said listing were completed to the satisfaction of the Department, only long-term onsite and offsite groundwater monitoring is currently active. Additionally, emergency response procedures necessary to respond site-related hazards are also described within this HASP.

All activities performed under this HASP are targeted to comply with Occupational Safety and Health Administration (OSHA) Regulations 29 CFR Part 1910.1025. This document is not, nor does it purport to be, a complete description of all safety and health requirements applicable to work performed at the site. Rather, the HASP is a general overview of the compliance policies and work practices applicable to the primary tasks and hazards associated with the environmental restoration activities at the site, as well as a recitation of minimum safety and health compliance obligations for contractors, subcontractors and workers at the site. All subcontractors of any tier operating at the worksite are obligated to implement and maintain comprehensive safety and health plans for their own employees and to ensure that their employees comply with all applicable safety and health requirements. All subcontractors operating at the worksite should refer to the applicable specific OSHA Standards for detailed requirements.

1.1 Purpose

The purpose of this HASP is to provide the contractors' (Impact Environmental and its subcontractors) field personnel with an understanding of the potential chemical and physical hazards that exist or may arise while portions of this project are being performed. To this end, this HASP also presents information on the progression of the Phase II ESA due diligence investigation activities and specific details regarding the handling of materials generated during the work.

The primary objective is to ensure the well being of all field personnel and the community surrounding this site. In order to accomplish this, project staff and approved subcontractors of any tier shall acknowledge and adhere to the policies and procedures established herein. Accordingly, all personnel assigned to the Field Investigation/Remediation activities associated with this project (Investigative Personnel) shall read this HASP and sign the Agreement and Acknowledgment Statement (**Appendix F**) to certify that they have read, understood, and

agrees to abide by its provisions. A copy of this HASP will be available to anyone that requests it. Other Personnel (e.g. government officials, administrators, bank inspectors, assessors, etc.) that will have limited exposure to the site soil, sediment and purged groundwater during investigative activities will be instructed on how to reduce the probability of exposure to site contaminants, but will not be required read the HASP. Site Description

This generic HASP assumes that the work is to be performed within the geographic work areas covered by Impact Environmental Closures, Inc.

1.2 Recognized Environmental Conditions

It is typical at sites that past site operations and on-site waste disposal methods have contaminated the site soil and groundwater. The typical contaminants include organic and inorganic analytes including volatile organic compounds, semi-volatile organic compounds and inorganic metals.

Recognized Environmental Conditions (RECs) were identified, based upon a review of available Federal, State County and Town of Islip Building Department reports, plans and correspondences obtained under the freedom of information act (FOIA) for the Site. Said RECs were identified and reported in the *January 29, 2014, Phase I Environmental Site Assessment Report* (Phase I ESA) prepared for the abovementioned Site. Said records were and reviewed, and the following RECs were identified:

- Historically reported onsite storage, usage and releases of hazardous and petroleum nonhazardous chemicals, materials and solutions.
- Historic reported onsite releases of acidic/caustic plating solutions, tumbling detergent/cutting oil discharges, heavy metal/solvent contaminated electroplating and anodizing process wastewater.
- Historically reported onsite petroleum releases and reported resultant subsurface impacts.
- Historically reported discharges of process effluent to former sanitary leaching structures.
- Historic underground sanitary leaching structures and a non-potable process well without observed abandonment/decommissioning documentation.

In addition, the following RECs were ascertained after a review of the following Site owner-provided investigation reports; *November 8, 2007, Subsurface Investigation Report* (prepared by FPM Group, Ltd.) and the *January 5, 2009, Environmental Investigation Report* (prepared by Holzmacher, McLendon & Murrell, P.C.):

- Observed chlorinated solvent VOC impacts within two of the three former sanitary primary pools.
- Elevated concentrations of metals within soil beneath the main plant building, the plastics forming building, proximal to the metal scrap dumpsters, heat treatment building, former kerosene tank containment area, and within the western recharge basin.
- Elevated concentrations of chlorinated solvents in soil vapor beneath the Main Plant building and Plastic Manufacturing Building.

The primary exposure routes for site contaminants to affect Investigative Personnel are through inhalation, ingestion and/or dermal contact.

With respect to volatile organic compounds and inorganic heavy metals, exposure determinations used for this document will be consistent with guidelines provided within MSDS of each substance in its static compound/elemental state. The MSDS for each substance is included within this document.

All MSDS sheets are available within this document.

WARNING: No document can address all potential contaminants that could exist on any site. Precautions should be taken to avoid all contact with soils and/or groundwater from any site.

2 Application of Health and Safety Plan

The procedures of this HASP apply for any person that will enter the boundaries of the site, or a portion of the site during Field Investigation/Remediation activities.

2.1 Investigative/Remediation Personnel

Employees of contractors and subcontractors of any tier performing the following activities will be considered Investigative Personnel:

- Soil, sediment and groundwater sample collection utilizing hydraulic equipment and/or hand auger tooling
- Cleaning or decontaminating equipment
- Performing field screening activities
- Supervising excavation activities
- Performing air quality tests

All subcontractors, of any tier, must submit a HASP to the Site Health and Safety Officer for review and approval prior to mobilizing to the site. Only HASPs that comply with this HASP will be approved. Where a subcontractors HASP is deficient, the Site Health and Safety Officer will provide written notification of any required changes. Approved HASPs will be retained on-site for reference by the Site Health and Safety Officer.

3 Key Personnel / Identification of Health & Safety Personnel

3.1 Key Personnel

A list of the pertinent personnel authorized to supervise site health and safety operations is presented below:

Title	Name	Telephone Number
Project Manager *Impact Environmental*	Michael Bluight	(O) 631-269-8800 (C) 631-334-4349
Field Operations Leader *Impact Environmental*	Chris Connolly	(O) 631-269-8800 (C) 631-618-5705
Site Health & Safety Officer *Impact Environmental*	Michael Bluight	(O) 631-269-8800 (C) 631-334-4349
Site Health & Safety Officer (Alternate) *Impact Environmental*	Chris Connolly	(O) 631-269-8800 (C) 631-618-5705

PROJECT COORDINATOR RESPONSIBLE FOR ADDING ADDITIONAL CONTACT DATA

3.2 Organizational Responsibility

3.2.1 Project Manager

The Project Manager will be responsible for implementing the project and obtaining any necessary personnel or resources for the completion of the project. Specific duties will include:

- Coordinating the activities of all construction and Remedial Personnel, to include informing them of the required Personal Protective Equipment (PPE) and insuring their signature acknowledging this HASP;
- Selecting a Site Health and Safety Officer and field personnel for the work to be undertaken on site;
- Ensuring that the tasks assigned are being completed as planned and on schedule;
- Providing authority and resources to ensure that the Site Health and Safety Officer is able to implement and manage safety procedures;
- Preparing reports and recommendations about the project to clients and affected personnel;

- Ensuring that all persons allowed to enter the site (e.g.., EPA, contractors, state officials, visitors) are made aware of the potential hazards associated with the substances known or suspected to be on site, and are knowledgeable as to the on-site copy of the specific HASP;
- Ensuring that the Site Health and Safety Officer is aware of all of the provisions of this HASP and is instructing all personnel on site about the safety practices and emergency procedures defined in the plan;
- Serving as liaison with public officials where there are no Public Affairs official designated.

3.2.2 Field Operations Leader

The Field Operations Leader will be responsible for field operations and safety. Specific duties will include, but are not limited to:

- Scheduling with the construction company and their subcontractors;
- Coordinating with the Site Health and Safety Officer in determining protection levels;
- Documenting field activities;
- Coordinate activities between environmental and construction personnel.
- Coordination with waste management contractors.
- Review and approval of waste disposal facilities.

In the event that the Project Manager and the Site Health and Safety Officer are not on site, the Field Operations Leader will assume all responsibility of the Site Health and Safety Officer.

3.2.3 Site Health and Safety Officer

The Site Health and Safety Officer shall be responsible for the implementation of the HASP on site. Specific duties will include:

- Monitoring the compliance of construction and environmental remediation activities personnel (field personnel) for the routine and proper use of the PPE that has been designated for each task;
- Routinely inspecting PPE and clothing to ensure that it is in good condition and is being stored and maintained properly;

- Stopping work on the site or changing work assignments or procedures if any operation threatens the health and safety of workers or the public;
- Monitoring personnel who enter and exit the site and all controlled access points.
- Reporting any signs of fatigue, work-related stress, or chemical exposures to the Project Manager;
- Dismissing field personnel from the site if their actions or negligence endanger themselves, co-workers, or the public, and reporting the same to the Project Manager;
- Reporting any accidents or violations of the HASP plan to the Project Manager and documenting the same for the project in the records;
- Knowing emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire and police departments;
- Ensuring that all project-related personnel have signed the personnel agreement and acknowledgments form contained in this HASP;
- Coordinate upgrading and downgrading PPE as necessary due to changes in exposure levels, monitoring results, weather, and other site conditions;
- Perform air monitoring with approved instruments in accordance with requirements stated in this HASP.

4 Task / Operation Health and Safety Risk Analysis

The field tasks covered by the HASP will include material excavation with hydraulic equipment and hand tools, the manual sorting of materials, the transporting and loading of materials onto trucks for off-site transport, and if necessary, soil/fill sampling. Additionally, standard job task hazards that are inherent to a construction project will exist.

4.1 Explosion and Fire

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to explosion and fire. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Fire Protection and Prevention Standard, set forth at 29 C.F.R. § 1910 part 1926.35, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations. The following are possible fire and explosion hazards that may be encountered on the job site along with fire preventive measures to take.

4.1.1 Flammable Vapors

The presence of flammable vapors can pose a potential fire and health hazard. Hazard reduction procedures include monitoring the ambient air with an oxygen/LEL meter (combustible gas indicator). If the LEL reading exceeds 20%, all work will stop and employees will leave the site immediately and contact the fire department. No "confined space" activities will be performed as part of this work.

4.1.2 High Oxygen Levels

Atmospheres that contain a level of oxygen greater than 23% pose an extreme fire hazard (the usual ambient oxygen level is approximately 20.5%). All personnel encountering atmospheres that contain a level of oxygen greater than 23% must evacuate the site immediately and must notify the Fire Department. If the oxygen level is less than 19.5%, do not enter the space without level B PPE.

4.1.3 Fire Prevention

- During equipment operation, periodic vapor concentration measurements should be taken with an explosimeter or combustimeter. If at any time the vapor concentrations exceed 20% of the lower

explosive limit (LEL), then the Site Safety Officer or designated field worker should immediately shut down all operations.

- Only approved safety cans will be used to transport and store flammable liquids.
- All gasoline and diesel-driven engines requiring refueling must be shut down and allowed to cool prior to filling.
- Smoking is not allowed during any operations within the work area in which petroleum products or solvents in free-floating, dissolved, or vapor forms, or other flammable liquids may be present.
- No open flame or spark is allowed in any area containing flammable liquids.

4.2 Operational Safety Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to earth moving equipment. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Excavation Standard, set forth at 29 C.F.R. § 1910 Subpart P as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

4.2.1 Heavy Machinery / Equipment

All site employees must remain aware of those site activities that involve the use of heavy equipment and machinery. Protective eyewear may be worn frequently during site activities. This protective equipment significantly reduces peripheral vision of the wearer. Therefore, it is essential that all employees at the site exercise extreme caution during operation of equipment and machinery to avoid physical injury to themselves or others.

4.2.2 Damage Prevention

Prior to any ground invasive work, underground utility locating and a confirmatory ground penetrating radar survey will be performed within and proximal to the onsite work areas. The underground utility conduits and facilities will be marked in the area where the excavating is occurring with the appropriate paint, flags and/or stakes according to the Underground Facility Protection Act. Proposed soil boring and/or temporary groundwater monitoring point locations will be adjusted accordingly if found within an unsafe distance away from said conduits and facilities. The color code requirements are presented in the graphic below.

4.2.3 Vehicular Traffic

All employees will be required to wear a fluorescent safety vest at all times while on site. In addition, supplemental traffic safety equipment use can be exercised when warranted by specific task. Supplemental equipment can be items such as cones, flags, barricades, and/or caution tape.

4.3 Noise Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to noise hazards. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Occupational Noise Exposure Standard, set forth at 29 C.F.R. § 1910 part 1926.52, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Hearing protection shall be provided to the employees where sound pressure levels exceed 85 dB. Hearing protection shall be worn where sound pressure levels in areas and/or on equipment exceeds 90 dB. Typical heavy excavation operations have been monitored with a sound level meter and indicate that hearing protection is required for all personnel while engaged in this action.

4.4 Safe Material Handling

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to safe material (soil/fill) handling. Rather, contractors, subcontractors and workers at the site must

refer to OSHA's Eye and Face, and Respiratory Safety Standards, set forth at 29 C.F.R. § 1910 Parts 1926.102 and 1926.103 as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Skin and eye contact with contaminated soil, sediment, and/or groundwater, or materials in contact with the soil may occur during the work. Nitrile gloves and approved safety glasses must be worn to prevent exposure to the associated contaminants. If necessary, all associated activities will be performed pursuant to 29 C.F.R. § 1910 Parts 1926.134 (a)(2) and 1926.55.

4.5 Temperature Hazards

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to temperature stresses. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Technical Manual (TED 1-0.15A), Section III – Chapter 4 (1999) as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

Since climatic changes cannot be avoided, work schedules will be adjusted to provide time intervals for intake of juices, juice products, and water in an area free from contamination and in quantities appropriate for fluid replacement to prevent heat stress conditions from occurring.

4.5.1 Types of Heat Stress

Heat stress may occur even in moderate temperature areas and may present any or all of the following:

4.5.1.1 Heat Rash

Result of continuous exposure to heat, humid air, and chafing clothes. Heat rash is uncomfortable and decreases the ability to tolerate heat.

4.5.1.2 Heat Cramps

Result of the inadequate replacement of body electrolytes lost through perspiration. Signs include severe spasms and pain in the extremities and abdomen.

4.5.1.3 Heat Exhaustion

Result of increased stress on the vital organs of the body in the effort to meet the body's cooling demands. Signs include shallow breathing; pale, cool, moist skin; profuse sweating; and dizziness.

4.5.1.4 Heat Stroke

Result of overworked cooling system. Heat stroke is the most serious form of heat stress. Body surfaces must be cooled and medical help must be obtained immediately to prevent severe injury and/or death. Signs include red, hot, dry skin, absence of perspiration, nausea, dizziness and confusion, strong, rapid pulse that could lead to coma or death.

4.5.2 Heat Stress Prevention

A. Replace body fluids (water and electrolytes) lost through perspiration. Solutions may include a 0.1% salt and water solution or commercial mixes such as "Gatorade". Employees must be encouraged to drink more than the amount required in order to satisfy thirst.
B. Use cooling devices to aid the natural body ventilation. Cooling occurs through evaporation of perspiration and limited body contact with heat-absorbing protective clothing. Utilize fans and air conditioners to assist in evaporation. Long, cotton underwear is suggested to absorb perspiration and limit any contact with heat-absorbing protective clothing (i.e., coated Tyvek suits).
C. Conduct non-emergency response activities in the early morning or evening during very hot weather.
D. Provide shelter against heat and direct sunlight to protect personnel. Take breaks in shaded areas.
E. Rotate workers utilizing protective clothing during hot weather.
F. Establish a work regime that will provide adequate rest periods, with personnel working in shifts.

4.6 Cold Exposure Hazards

Work schedules will be adjusted to provide sufficient rest periods in a heated area for warming up during operations conducted in cold weather. Also, thermal protective clothing such as wind and/or moisture resistant outerwear is recommended to be worn.

If work is performed continuously in the cold at or below -7 ºC (20 ºF), including wind chill factor, heated warming shelters (tents, cabins, company vehicles, rest rooms, etc.) shall be made available nearby and the worker should be encouraged to use these shelters at regular intervals, the frequency depending on the severity of the

environmental exposure. The onset of heavy shivering, frostnip, the feeling of excessive fatigue, drowsiness, irritability, or euphoria, is indications for immediate return to the shelter. When entering the heated shelter, the outer layer of clothing shall be removed and the remainder of the clothing loosened to permit sweat evaporation. A change of dry work clothing shall be provided as necessary to prevent workers from returning to their work with wet clothing.

Dehydration, or the loss of body fluids, occurs in the cold environment and may increase the susceptibility of the worker to cold injury due to a significant change in blood flow to the extremities. Warm sweet drinks and soups should be provided at the work site to provide caloric intake and fluid volume. The intake of coffee should be limited because of a diuretic and circulatory effect (adapted from TLV's and Biological Exposure Indices 1988-1989, ACGIH).

5 Personnel Training

5.1 Pre-assignment and OSHA Training

All Investigative Personnel that will be in direct contact (soil/sediment boring, temporary groundwater monitoring point installation, sample collection sampling, site restoration) with the native materials must complete an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training course and, where necessary, a current eight hour refresher course (as required annually after initial 40-hour training completion). Restoration Personnel that will not be in direct contact with native soil/fill materials are only required to prove they have read and understood the procedures presented in this HASP.

Onsite managers and supervisors of Restoration Personnel (Field Operations Leader, Site Health and Safety Officer) directly responsible for employees engaged in hazardous substance operations have received an initial 40-hour HAZWOPER training course and an additional (above the 40-hour HAZWOPER) eight hours of supervisory training. These training requirements comply with the OSHA Hazardous Waste Operations and Emergency Response Regulation, 29 CFR 1910.120. The Site Safety Officer will be certified in First Aid and Cardiovascular Pulmonary Resuscitation.

The Site Health and Safety Officer will conduct an on-site training meeting for all Investigative Personnel and observers that could potentially be exposed to the native material during environmental investigation activities. Training meetings will be provided routinely for any new project personnel. This program will cover specific health and safety equipment and protocols and potential problems inherent to each project operation. The Site Health and Safety Officer will be present for any activities being performed by Personnel that will involve the handling of soil, sediment and/or groundwater during sample collection activities to provide supervision on exposure reduction. This will include insuring the use of proper PPE and air quality monitoring during the work.

6 Personal Protective Equipment

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to personal protective equipment. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Personal Protective Equipment Standard, set forth at 29 C.F.R. § 1910.Part 1926.28(a) as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

The purpose of personal protective clothing and equipment (PPE) is to shield or isolate individuals from the chemical, physical, and biological hazards that may be encountered onsite when engineering and other controls are not feasible or cannot provide adequate protection. Careful selection and use of adequate PPE should protect the health of all onsite workers. No single combination of PPE is capable of protecting against all hazards. Therefore, PPE should be used in conjunction with, not in place of, other protective methods, such as engineering controls and safe work practices.

Site-specific chemicals of concern include heavy metals and volatile/semi-volatile organic compounds. These chemicals are of moderate to low hazard. Therefore, level D personal protective equipment will be required at all times when on site. The following is a breakdown of the types of protective clothing and equipment to be used during the site activities.

6.1 Levels of Protection

The Site Safety Officer will determine whether a level of protection should be upgraded or downgraded. Changes in the level of protection will be recorded in the dedicated site logbook along with the rationale for the changes (see Section 7.1.3 for additional information on PPE upgrades). Level D PPE will be the minimum requirement at all times during the environmental investigation work performed.

6.1.1 Level D Personal Protective Equipment

All initial site access and activities will be done in Level D attire. Level D protection is sufficient under conditions where no contaminants are present or those activities that do not pose a potential threat of unexpected inhalation of or contact with hazardous levels of any substances. Typical Level D activities may include sediment, logging and groundwater sampling, and as surficial site surveys.

- Hard hat
- Safety glasses (as appropriate)
- Steel toe and shank boots
- Fluorescent vest
- Hearing protection (as appropriate)

6.1.2 Modified Level D Personal Protective Equipment

- Hard hat
- Safety glasses
- Steel toe and shank boots
- Fluorescent vest
- Nitrile "N-Dex" inner gloves
- Latex outer boots (chemical resistant)
- Polyethylene coated Tyvek suit
- Hearing protection (as appropriate)

6.1.3 Level C Personal Protective Equipment

Level C protection, as described in this plan, will be available at a minimum for those activities that involve surface and subsurface soil (strata disturbance such as well installation, and all subsurface media sampling activities such as split-spoon sampling and borings). Level C protection equipment should be readily available at all times. Consistent with OSHA training, prior to donning Level C, oxygen percent must be continuously monitored.

- Buddy system required at all times
- Full face respirator with NIOSH approved OV/AG/HEPA combination cartridges (MSA GMC-H)
- Saranex coated Tyvek Suit
- Inner Nitrile "N-Dex" gloves
- Outer Nitrile (NBR) gloves
- Steel toe and shank boots
- Outer boots (chemical resistant)
- Hard hat
- Hearing protection (as appropriate)

6.1.4 Level B Personal Protective Equipment

It is not expected that the environmental investigation work will require Level B protection. However, in the event that said PPE is required, Regional Health and Safety representatives must be on site upon start-up of any project requiring level B protection. This should be understood to include subcontractors conducting Level B activity.

- Buddy system required at all times
- Supplied air respirator or SCBA
- Saranex coated Tyvek Suit
- Inner Nitrile "N-Dex" gloves
- Outer Nitrile (NBR) gloves
- Steel toe and shank boots
- Outer boots (chemical resistant)
- Hard hat
- Hearing protection (as appropriate)

6.2 Personal Use Factors and Equipment Change Out Schedule

Prohibitive or precautionary measures should be taken as necessary to prevent workers from jeopardizing safety during equipment use.

When utilizing protective garments such as Tyvek suits, gloves, and booties, all seams between protective items will be sealed with duct tape.

Contact with contaminated surfaces, or surfaces suspected of being contaminated, should be avoided. This includes walking through, kneeling in, or placing equipment in puddles, mud, discolored surfaces, or on drums and other containers.

Eating, smoking, drinking, and/or the application of cosmetics in the immediate work area are prohibited. Ingestion of contaminants or absorption of contaminants into the skin may occur.

The use of contact lenses on the job site is strongly advised against. Contact lenses may trap contaminants and/or particulate between the lens and eye, causing irritation. However, when glasses are not available, contact lenses are preferred over faulty vision. When contact lenses are worn, safety glasses and/or goggles must be worn at all

times while on the job site. Wearing contact lenses with a respirator in a contaminated atmosphere is prohibited under 29 CFR ss1910.134 (e)(5)(iii).

7 Community Air Monitoring Program

A Community Air Monitoring Plan (CAMP) is designed to provide a measure of protection for the downwind community (i.e. off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of work activities. A CAMP is not intended for use in establishing action levels for worker respiratory protection. A CAMP requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e. dust) at the downwind perimeter of each designated work area when work activities are in progress at contaminated locations. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

Real-time air monitoring for VOCs and particulate levels along the perimeter of the work zone will be necessary. The monitoring will be done downwind from the work zone and the measurements will be compared to background conditions (upwind) taken at the beginning of each work day. A MiniRae 3000 Model PGM7320 Portable Photoionization Meter, equipped with a 10.6 eV lamp, will be used to monitor VOC vapors. The particulate levels are integrated over a period of 15 minutes (or less), so instrumentation used must have averaging capabilities. A Casella Microdust Pro particulate meter or similar instrument will be used to monitor particulate matter. The instruments should be calibrated at least daily to ensure proper measurements.

Periodic Monitoring will be performed during the environmental investigation work at Site. Periodic Monitoring for VOCs will be performed during intrusive work, including, but not limited to soil boring, boring pre-clearing and/or temporary groundwater monitoring point installation work, and during non-intrusive acts such as the collection of soil samples. This will consist of recording onsite background VOC concentrations prior to the boring/boring preparation work, and monitoring during the ground intrusive work. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities.

The data collected during monitoring will be used to guide site operations in a manner that is consistent with the New York State Department of Environmental Conservation, DER-I0 Technical Guidance for Site Investigation and Remediation, Generic Community Air Monitoring Plan.

7.1 Organic Compounds

A member of the safety team will use a Portable Photoionization Meter to monitor the concentration of volatile organic compounds (VOCs) within the air in the work areas to verify said VOC concentrations in ambient air are within the safety guidelines established by the preliminary assessment of the risks associated with site investigation, and will determine when changes in site operations and personal protection equipment are necessary. No changes in the levels of respiratory protection specified above will be made without the approval of the site safety supervisor and the project team leader.

If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds five (5) parts per million by volume (ppmV) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppmV over background, work activities can resume with continued monitoring.

If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppmv over background but less than 25 ppmv, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppmv over background for the 15-minute average.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

7.2 Particulate Monitoring

Airborne fugitive particulate emissions at the onsite work areas and downwind from said areas will be measured by the Site Safety Officer on a periodic basis during environmental investigation activities. The measurements will be made using a portable particulate monitoring device manufactured by the Casella Corporation. The monitoring device is capable of detecting airborne particulate (PM-10) at concentrations ranging from 1 to 1000 micrograms per cubic meter (ug/m3). Detected concentrations are logged within the instrument memory and can be retrieved using Microsoft Windows-based software provided by the manufacturer. Retrieved data can be imported into standard PC-based spreadsheet and database software for analysis and report presentation.

If the downwind particulate level is 100 micrograms per cubic meter (µg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 µg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 µg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind particulate concentration to within 150 µg/m^3 of the upwind level and in preventing visible dust migration.

7.3 Site Matrix for Protection Level Determinations

Action levels represent those conditions requiring an upgrade of personal protective equipment (PPE). The information presented below applies to the above chemical constituents. All air monitoring results should be logged in the Site Safety Log. The following tables provide for quick reference for each monitored parameter.

7.3.1.1 Ionization Detector Response

Photoionization Detector (PID)	
Concentrations (in ppm)	**Level of PPE Required/Procedure**
0.0 to 15.0	Level D
15.1 to 250.0	Level C
> 750.0	Immediately withdraw from the area

7.3.1.2 Particulate Detector Response

Real Time Particulate Detection Meter	
Results (gm/m3)	**Level of PPE Required/Procedure**
0.0 to 5.0	Continue with normal activity – Level D
>100.0	Modified Level D Protection - initiate dust control activities listed in Section 8.3 of this document

7.4 Work Zone Definitions

Work and support areas shall be established based on ambient air data and proposed work sites. They shall be established in order to contain contamination within the smallest areas possible and shall ensure that each employee has the proper PPE for the area or zone in which work is to be performed.

7.4.1 Exclusion Zone (EZ)

It is within this zone that the excavation or environmental remediation activities such as tank abandonment operations (as described in 8.1.1.1) are performed. No one shall enter this zone unless the appropriate PPE is donned. The location of this zone will change as the construction-related excavation activities are performed.

7.4.2 Contaminant Reduction Zone (CRZ)

It is within this zone that the decontamination process is undertaken. Personnel and their equipment must be adequately decontaminated before leaving this zone for the support zone. This zone will be set up between the EZ (no less than 100 feet away) and the site boundary.

7.4.3 Support Zone (SZ)

The support zone is considered to be uncontaminated; as such, protective clothing and equipment are not required but should be available for use in emergencies. All equipment and materials are stored and maintained within this zone. Protective clothing is put on within the SZ before entering the EZ or the CRZ. The SZ will be established in a safe environment at least 50 feet away from the EZ.

8 Investigation Derived Waste Plan

8.1 Waste Description

Due to the historic chemical usage and reported releases within the Site, all Investigation Derived Waste (IDW) will be considered hazardous waste unless deemed otherwise by waste classification sample collection and analyses. Said expected IDW will be generated during the following investigation work activities:

- Soil boring and resultant soil sampling work;
- Groundwater purging work prior to sample collection;
- Decontamination rinseate of all ground intrusive equipment;

All IDW will be containerized within 55-gallon DOT steel drums and staged within the active Site Hazardous Waste Bulk Storage building. Said waste containers will be labeled by media and applicable relabeling of said drums will be performed upon completion of waste classification sample analytical results.

8.2 IDW Minimization

The following environmental work tasks were designed to reduce the quantity of IDW generated as part of this work

8.2.1 Geoprobe Soil Boring/Sample Collection

Subsurface soil collection work, to the extent practical, will be performed utilizing Geoprobe percussion/direct push machinery, equipped with macro core liners. Said drilling and sample acquisition techniques are utilized in order to reduce the amount of cuttings generated during the work.

8.2.2 Passive Diffusion Bag Groundwater Sampling

Passive diffusion bags will be employed within the existing groundwater monitoring wells. Said groundwater sampling technique will greatly reduce the quantity of groundwater related IDW, commonly

associated with low-flow groundwater sampling techniques and/or standard well casing purging techniques.

8.3 Waste Classification Sample Collection

Waste Classification sample collection is beyond the scope of this work and will be performed by the Site Owner's environmental consultant. Typical waste classification parameters to be evaluated consist of the following analytes

- TCLP VOCs by USEPA SW-846 Method 1311/8260;
- TCLP SVOCs by USEPA SW-846 Method 1311/8270;
- TCLP metals by USEPA SW-846 Method 1311/6010A/7471;
- Corrosivity by USEPA SW-846 Method 9045B;
- Reactivity by USEPA SW-846 Method 9030;
- Ignitability (liquids only) by USEPA SW-846 Method 1010A; and
- PCBs by USEPA SW-846 Method 8082.

8.4 Material Transport

Upon completion of the waste classification work, said containerized waste will be transported under standard manifesting procedures, to one or more waste treatment facilities. Said work will be coordinated by the Site Owner's environmental consultant and subcontractors, with final waste manifests held in the possession of the Site owner.

9 General Safety and Health Provisions

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to general safety and health provisions. Rather, contractors, subcontractors and workers at the site must refer to OSHA's General Safety and Health Provision Standard, set forth at 29 C.F.R. § 1910 subparts C and G as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

9.1 Safety Practices / Standing Orders

The following are important safety precautions that will be enforced during work activities.

1. Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in any area designated as contaminated.
2. Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking, or any other activity.
3. Whenever decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed as soon as possible after the protective garments are removed.
4. Contact with potentially contaminated surfaces should be avoided whenever possible. One should not walk through puddles; kneel on the ground; lean, sit, or place equipment on drums, containers, vehicles, or the ground.
5. Medicine and alcohol can potentate the effect from exposure to certain compounds. Prescribed drugs and alcoholic beverages should not be consumed by personnel involved in the project.
6. Personnel and equipment in the work areas should be minimized, consistent with effective site operations.
7. Work areas for various operational activities should be established.
8. Procedures for leaving the work area must be planned and implemented prior to going to the site. Work areas and decontamination procedures must be established on the basis of prevailing Site conditions.
9. All unsafe equipment left unattended will be identified by a "DANGER, DO NOT OPERATE" tag.
10. Noise mufflers or earplugs may be required for all site personnel working around heavy equipment. This requirement will be at the discretion of the Site Safety Officer. Disposable, form-fitting plugs are preferred.

9.2 Site Communications Plan

Mobile telephone and/or two-way radios will be used to communicate between the work parties on the site. The following standard hand signals will be used in case of failure of radio communication:

- Hands on top of head = Need assistance
- Thumbs up = OK, I am alright, I understand
- Thumbs down = No, negative

Personnel in the Contaminated Zone should remain in constant radio communication or within sight of the project team leader. Any failure of radio communication will require the team leader to evaluate whether personnel should leave the zone.

9.3 Retention of Records

The following records will be maintained in corporate records for no less than three (3) years.

- Fit test results
- OSHA Training Certification
- Medical Questionnaire and/or Medical Clearance
- Medical Data Sheets
- Accident Report Forms

10 Emergency Response / Contingency Plan

10.1 Pre-Emergency Planning

In order to properly prepare for emergencies, Material Safety Data Sheets (MSDS) will be maintained on-site for the type of contaminants to which workers may be exposed. The MSDS for commonly encountered contaminants can be found in **Appendix G**.

In the event a suspected or known hazardous substance or substance container is encountered during site activities, a contingency plan will be triggered (see Section 11.3).

10.2 Emergency Contact Information

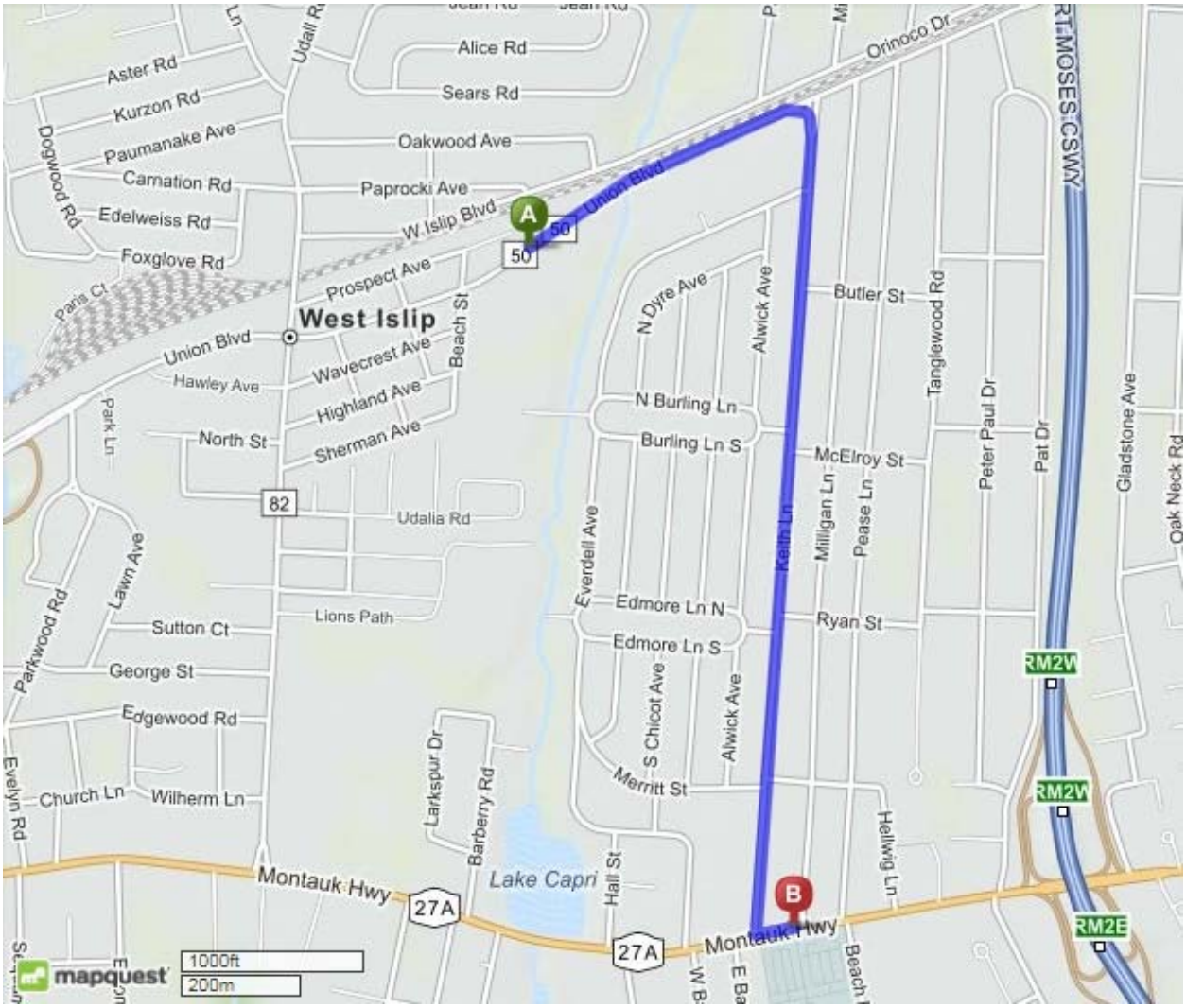
In the event of an accident or emergency situation, emergency procedures will be executed. Said procedures can and will be executed by the first person to observe an accident or emergency situation. The Project Field Manager will be notified about the situation immediately after emergency procedures are implemented.

10.2.1 Emergency Contacts and Map to Hospital

Emergency:	911	
Hospital:	631-376-4444	Good Samaritan Hospital
Police:	911	Police
Fire Department:	911	NYFD
Chemtrec:	800-424-9300	
Poison Control Center:	800-336-6997	
National Response Center:	800-424-8802	
USEPA (24-hour hotline):	800-424-9346	

Directions to Nearest Hospital from Project Site:

Good Samaritan Hospital
1000 Montauk Highway – West Islip, New York



Driving Directions:

1. **From the Site, go northeast on Union Boulevard for 0.4 miles**
2. **Make the first right onto Keith Lane; travel for 1.0 miles**
3. **Turn left onto Montoauk Highway; travel 0.05 miles**
4. **Good Samaritan Hospital is located on the southern side of Montauk Highway (to the right).**

10.2.2 Utility Emergencies / Initiating Subsurface Investigation/Remedial Work

Where necessary, utility markouts will be called in via the one call center or to the individual companies listed below. The Port Authority of New York and New Jersey have provided the construction company with detailed subsurface maps of the site to direct excavation activities in a safe manner.

Mark Out One-Call Center	1-800-524-7603	Dig Safe One Call
Gas Company:	516-229-7248	PSEG Long Island
Telephone Company:	516-661-6000	Bell Atlantic/Verizon
Electric Company:	1-800-524-7603	LIPA

10.3 Contingency / Evacuation Plan

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to emergency procedures. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Employee Emergency Action Plan Standard, set forth at 29 C.F.R. § 1910 Part 1926.35(a), as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

If an unknown substance or substance container is encountered during site activities, the following contingency plan will be triggered.

1. The Site Health and Safety Officer, Project Manager and Field Operations Leader will be notified and an Exclusion Zone (the aerial extent of which will be determined by the above safety staff) will be established.
2. All staff will be evacuated from the Exclusion Zone.
3. Air monitoring will be conducted down-wind of the Exclusion Zone.
4. The NYSDEC, as well as any other Government regulatory agency whose need may be prompted by the particular situation, will be notified.
5. Upon arrival of the NYSDEC or Government regulatory agency representative(s), site control will transfer to the appropriate Government personnel.

It may be possible that a situation could develop site emergency could necessitate the evacuation of all personnel from the site. If such a situation develops, an audible alarm shall be given for site evacuation

(consisting of an air horn). Personnel shall evacuate the site in a calm and controlled fashion and regroup at a predetermined location. The route of evacuation will be dependent on wind direction, severity, type of incident, etc. The site must not be re-entered until back-up help, monitoring equipment, and/or personal protective equipment are on hand and the appropriate regulatory agencies have been notified.

10.4 Emergency Medical Treatment Procedures

This Section is not, nor does it purport to be, a comprehensive recitation of safety and health requirements applicable to medical treatment and first aid. Rather, contractors, subcontractors and workers at the site must refer to OSHA's Medical Services and First Aid Standard, set forth at 29 C.F.R. § 1910 Part 1926.23 and 1926.50, as well as all supporting OSHA Compliance Directives and Letters of Interpretation, for complete information on safety and health compliance obligations.

All injuries, no matter how slight, will be reported to the site safety supervisor immediately. The safety supervisor will complete an accident report for all incidents (Appendix B).

Some injuries, such as severe lacerations or burns, may require immediate treatment. Unless required due to immediate danger, seriously injured persons should not be moved without direction from attending medical personnel.

10.4.1 Standard Procedures for Injury

1. Notify the Site Safety Officer, Project Manager, and the Port Authority Police of all accidents, incidents, and near emergency situations.
2. If the injury is minor, trained personnel should proceed to administer appropriate first aid.
3. Telephone for ambulance/medical assistance if necessary. Whenever possible, notify the receiving hospital of the nature of physical injury or chemical overexposure. If no phone is available, transport the person to the nearest hospital. Refer to the map in section 10.2.1.
4. When transporting an injured person to a hospital, bring this Health and Safety Plan with the attached MSDS to assist medical personnel with diagnosis and treatment.

10.4.2 Chemical Overexposure

In all cases of chemical overexposure, follow standard procedures as outlined below for poison management, first aid, and, if applicable, cardiopulmonary resuscitation. Different routes of exposure and their respective first aid/poison management procedures are outlined below.

Ingestion	Do not induce vomiting unless prompted by a health professional. Transport person to nearest hospital immediately.
Inhalation / Confined Space	Do not enter a confined space to rescue someone who has been overcome unless properly equipped and a standby person present.
Inhalation / Other	Move the person from the contaminated environment. Initiate CPR if necessary. Call or have someone call for medical assistance. Refer to MSDS for additional specific information. If necessary, transport the victim to the nearest hospital as soon as possible.
Skin Contact / Non-Caustic Contaminant (Petroleum, Gasoline, etc.)	Wash off skin with a large amount of water immediately. Remove any affected clothing and rewash skin using soap, if available. Transport person to a medical facility if necessary.
Skin Contact / Corrosive Contaminant (Acids, Hydrogen Peroxide, etc.)	Wash off skin with a large amount of water immediately. Remove any affected clothing and rewash skin with water. Transport person to a medical facility if necessary.
Eyes	Hold eyelids open and rinse the eyes immediately with large amounts of water for 15 minutes. Never permit the eyes to be rubbed. Transport person to a medical facility as soon as possible.

10.4.3 First Aid for Injuries Incurred During Field Work

A first aid kit and an emergency eyewash will be available on-site. Field crews, when performing field operations, will carry portable first aid kits that include emergency eye wash stations.

10.4.4 First Aid Equipment List

The first aid kit(s) kept at the site will consist of a weatherproof container with individually sealed packages for each type of item.

The kit will include at least the following items:

- Gauze roller bandages, 1-inch and 2-inch
- Gauze compress bandages, 4-inch
- Gauze pads, 2-inch
- Adhesive tape, 1-inch
- Bandage, 1-inch
- Butterfly bandages
- Triangular bandages, 40-inch
- Ampoules of ammonia inhalants
- Antiseptic applicators or swabs
- Burn dressing and sterilized towels
- Surgical scissors
- Eye dressing
- Portable emergency eye wash
- Emergency oxygen supply
- Alcohol
- Hydrogen peroxide
- Clinical grade thermometer
- Tourniquet

10.4.5 Other Emergency Equipment

One portable fire extinguisher with a rating (ratio) of 20 pound A/B/C and one portable fire extinguisher with a rating of 2A will be conspicuously and centrally located between the restricted and non-restricted zones. In addition, similar extinguishers of the same size and class will be located in the site office trailer so that maximum travel distance to the nearest unit shall not exceed 50 feet. Portable extinguishers will be properly tagged with inspection dates and maintained in accordance with standard maintenance procedures for portable fire extinguishers. Field personnel will be trained in fire extinguisher use before field operations begin.

An emergency at any part of the site, such as fire or chemical release, might require that some appropriately trained site workers direct traffic on or near the site.

The following safety equipment to be used for traffic should be kept readily available on site in the field office:

- reflective/fluorescent vests
- flares
- traffic cones (and flags, or the equivalent, as needed)
- hazard tape (barricades as needed)
- working flashlights

10.5 Record of Injuries Incurred On-Site

10.5.1 Occupational Injuries and Illnesses Form (OSHA 200)

All occupational injuries and illnesses that are required to be recorded under the Occupational Safety and Health Act will be registered on OSHA Form 200 (see Appendix C). The site safety supervisor will record occupational injuries and illnesses within 48 hours of occurrence, as required by statute.

10.5.2 Employer's First Report of Injury

The site safety supervisor for all accidents involving work injury at the site will complete this form (Appendix D). Follow-up procedures will include investigation of each accident or near-miss by the safety supervisor to assure that no similar accidents occur in the future.

APPENDIX A
Accident Report Form

Employee Accident Report

EMPLOYEE

Name_____SS#_____Emp ID#_____

Home Address_____
Street city zip code phone

Sex: M F Birth Date_____ Age:_____ Employment Status: Full time _____Part time _____%_____

Job Title _____Time in Present Position _____ Yrs _____Months

Department _____Work Address_____
building/room # phone

Supervisor_____
name building/room # phone

Accident Date_____ Time _____am/pm Location_____

What were you doing and using (tools, chemicals, equipment, etc.) when the accident occurred? Describe what happened.

_____

_____

_____

Was this part of your normal job duty? _____ Yes _____No

Parts of body affected or injured_____

Witnesses:_____/_____

name phone name phone

Report prepared by (if different from the injured employee)_____
name phone

I understand that it is my right to apply for Workers' Compensation benefits and that I have two years from the date of this accident to do so. For more information regarding workers' compensation, call the New York State Department of Labor. I also authorize release of medical information regarding this accident to the Prime Contractors claim administrators.

EMPLOYEE SIGNATURE:_____DATE:_____

SUPERVISOR/CHARGE PERSON

This accident was reported to me on _____at_____ Cost Center/Dept # _____
(date) (time)

IS FURTHER INVESTIGATION REQUIRED? ___Yes ___No _____
Supervisor/Charge Person Signature Date

HEALTH CARE PROVIDER

Treated by:_____
print name signature

Address_____
name of facility street city state zip code phone

Hospitalized overnight as inpatient? _____yes _____no (if emergency room only mark no)

Diagnosis/Assessment_____

Parts of body affected_____

Reaggravation of previous work injury? _____ yes _____no Date of initial injury_____

APPENDIX B

OSHA 200 Form

OMB DISCLOSURE STATEMENT

Public reporting burden for this collection of information is estimated to vary from 4 to 30 (time in minutes) per response with an average of 15 (time in minutes) per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Persons are not required to respond to the collection of information unless it displays a currently valid OMB control number. If you have any comments regarding this estimate or any other aspect of this information collection, including suggestions for reducing this burden, please send them to the OSHA Office of Statistics, Room N-3644, 200 Constitution Avenue, N.W. Washington, D.C. 20210

Instructions for OSHA No. 200

I. Log and Summary of Occupational Injuries and Illnesses

Each employer who is subject to the recordkeeping requirements of the Occupational Safety and Health Act of 1970 must maintain for each establishment, a log of all recordable occupational injuries and illnesses. This form (OSHA No. 200) may be used for that purpose. A substitute for the OSHA No. 200 is acceptable if it is as detailed, easily readable, and understandable as the OSHA No. 200.

Enter each recordable case on the log within six (6) workdays after learning of its occurrence. Although other records must be maintained at the establishment to which they refer, it is possible to prepare and maintain the log at another location, using data processing equipment if desired. If the log is prepared elsewhere, a copy updated to within 45 calendar days must be present at all times in the establishment.

Logs must be maintained and retained for five (5) years following the end of the calendar year to which they relate. Logs must be available (normally at the establishment) for inspection and copying by representatives of the Department of Labor, or the Department of Health and Human Services, or States accorded jurisdiction under the Act. Access to the log is also provided to employees, former employees and their representatives.

II. Changes in Extent of or Outcome of Injury or Illness

If, during the 5-year period the log must be retained, there is a change in an extent and outcome of an injury or illness which affects entries in columns 1, 2, 6, 8, 9, or 13, the first entry should be lined out and a new entry made. For example, if an injured employee at first required only medical treatment but later lost workdays away from work, the check in column 6 should be lined out and checks entered in columns 2 and 3 and the number of lost workdays entered in column 4.

In another example, if an employee with an occupational illness lost wordays, returned to work, and then died of the illness, any entries in columns 9 through 12 would be lined out and the date of death entered in column 8.

The entire entry for an injury or illness should be lined out if later found to be nonrecordable. For example, an injury which is later determined not to be work related, or which was initially thought to involve medical treatement but later was determined to have involved only first aid.

III. Posting Requirements

A copy of the totals and information following the total line of the last page for the year, must be posted at each establishment in the place or places where notices to employees are customarily posted. This copy must be posted no later than February 1 and must remain in place until March 1. Even though there were no injuries or illnessed during the year, zeros must be entered on the totals line, and the form posted.

The person responsible for the annual summary totals shall certify that the totals are true and complete by signing at the bottom of the form.

IV. Instructions for Completing Log and Summary of Occupational injuries and illnesses

Column A - CASE OR FILE NUMBER. Self Expanatory

Column B - DATE OF INJURY OR ONSET OF ILLNESS

For occupational injuries, enter the date of the work accident which resulted in the injury. For occupational illnesses, enter the date of initial diagnosis of illness, or, if absence from work occurred before diagnosis, enter the first day of the absence attributable to the illness which was later diagnosed or recognized.

Columns C through F - Self Explanatory

Columns 1 and 8 - INJURY OR ILLNESS-RELATED DEATHS - Self Explanatory

Columns 2 and 9 - INJURIES OR ILLNESSES WITH LOST WORKDAYS - Self Explanatory

Any injury which involves days away from work, or days of restricted work activitiy, or both, must be recorded since it always involves one or more of the criteria for recordability.

Columns 3 and 10 - INJURIES OR ILLNESSES INVOLVING DAYS AWAY FROM WORK - Self Explanatory

Columns 4 and 11 - LOST WORKDAYS -- DAYS AWAY FROM WORK.

Enter the number of workdays (consecutive or not) on which the employee would have worked but could not because of occupational injury or illness. The number of lost workdays should not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work. NOTE: For employees not having a regularly scheduled shift, such as certain truck drivers, construction workers, farm labor, casual labor, part-time employees, etc., it may be necessary to estimate the number of lost workdays. Estimates of lost workdays shall be based on prior work history of the employee AND days worked by employees, not ill or injured, working in the department and/or occupation of the ill or injured employee.

Columns 5 and 12 - LOST WORKDAYS -- DAYS OF RESTRICTED WORK ACTIVITY.

Enter the number of workdays (consecutive or not) on which because of injury or illness:

(1) the employee was assigned to another job on a temporary basis, or

(2) the employee worked at a permanent job less than full time, or

(3) the employee worked at a permanently assigned job but could not perform all duties normally connected with it.

The number of lost workdays should not include the day of injury or onset of illness or any days on which the employee would not have worked even though able to work.

Columns 6 and 13 - INJURIES OR ILLNESSES WITHOUT LOST WORKDAYS - Self Explanatory

Columns 7a through 7g - TYPE OF ILLNESS. Enter a check in only *one* column for each illness.

TERMINATION OR PERMANENT TRANSFER - Place an asterisk to the right of the entry in columns 7a through 7g (type of illness) which represented a termination of employment or permanent transfer.

V. Totals

Add number of entries in columns 1 and 8.

Add number of checks in columns 2, 3, 6, 7, 9, 10 and 13.

Add number of days in columns 4, 5, 11 and 12.

Yearly totals for each column (1-13) are required for posting. Running or page totals may be generated at the discretion of the employer.

In an employee's loss of workdays is continuing at the time the totals are summarized, estimate the number of future workdays the employee will lose and add that estimate to the workdays already lost and include this figure in the annual totals. No further entries are to be made with respect to such cases in the next year's log.

VI. Definitions

OCCUPATIONAL INJURY is any injury such as a cut, fracture, sprain, amputation, etc. which results from a work accident or from an exposure involving a single incident in the work environment. NOTE: Conditions resulting from animal bites, such as insect or snake bites or from one-time exposure to chemicals, are considered to be injuries.

OCCUPATIONAL ILLNESS of an amployee is any abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illnesses or diseases which may be caused by inhalation, absorption, ingestion, or direct contact.

The following listing gives the categories of occupational illnesses and disorders that will be utilized for the purpose of classifying recordable illnesses. For porposes of information, examples of each category are given. These are typical examples, however, and are not to be considered the complete listing of the types of illnesses and disorders that are to be counted under each category.

7a. Occupational Skin Diseases or Disorders. Examples: Contact dermatitis, eczema, or rash caused by primary irritants and sensitizers or poisonous plants; oil acne; chrome ulcers; chemical burns or inflamation, etc.

7b. Dust Diseases of the Lungs (Pneumaconioses). Examples: Silicosis, asbestosis and other asbestos-related diseases, coal worker's pneumaconioses, byssinosis, siderosis, and other pneumaconioses.

7c. Respiratory Conditions Due to Toxic Agents. Examples: Pneumonitis, pharyngitis, rhinitis or acute congestion due to chemicals, dusts, gases, or fumes; farmer's lung; etc.

7d. Poisoning (Systemic Effects of Toxic Materials). Examples: Poisoning by lead, mercury, cadmium, arsenic, or other metals; poisoning by carbon monoxide, hydrogen sulfide, or other gases; poisoning by benzol, carbon tetrachloride, or other organic solvents; poisoning by insecticide sprays such as parathion, lead arsenate; poisoning by other chemicals such as formaldehyde, plastics, and resins; etc.

7e. Disorders Due to Physical Agents (Other than Toxic Materials). Examples: Heatstroke, sunstroke, heat exhaustion, and other effects of environmental heat, freezing, frostbite, and effects of exposure to low temperatures; caisson disease; effects of ionizing radiation (isotopes, X-rays, radium); effects of nonionizing radiation (welding flash, ultraviolet rays, microwaves, sunburn); etc.

7f. Disorders Associated with Repeated Trauma. Examples: Noise-induced hearing loss; synovitis, tenosynovitis, and bursitis. Raynaud's phenomena; and other conditions due to repeated motion, vibration, or pressure.

7g. All Other Occupational Illnesses. Examples: Anthrax, brucellosis, infectious hepatitis, malignant and benign tumors, food poisoning, histoplasmosis, coccidioidomycosis, etc.

MEDICAL TREATMENT includes treatment (other than first aid) administered by a physician or by registered professional personnel under the standing orders of a physician. Medical treatment does NOT include first aid treatment (one-time treatment and subsequent observation of minor scratches, cuts, burns, splinters, and so forth, which do not ordinarily require medical care) even though provided by a physician or registered professional personnel.

ESTABLISHMENT: A single physical location where business is conducted or where services or industrial operations are performed (for example: a factory, mill, store, hotel, resturant, movie theater, farm, ranch, bank, sales office, warehouse, or central administrative office). Where distinctly separate activities are performed at a single physicial location, such as construction activities operated from the same physical locations as a lumber yard, each activity shall be treated as a separate establishment.

For firms engaged in activities which may be physically dispersed, such as agriculture; construction; transportation; communications and electric, gas, and sanitary services, records may be maintained at a place to which employees report each day.

Records for personnel who do not primarily report or work at a single establishment, such as traveling salesmen, technicians, engineers, etc., shall be maintained at the location from which they are paid or the base from which personnel operate to carry out their activities.

WORK ENVIRONMENT is comprised of the physical location, equipment, materials processed or used, and the kinds of operations performed in the course of an employee's work, wether on or off the employer's premisis.

APPENDIX C

Safety Meeting Sheet

DATE	EMPLOYEE NAME	SAFETY OFFICER/SUPERVISOR	ACKNOLEDGEMENT THAT YOU HAVE READ AND UNDERSTSAND THE HASP SUPPLEMENT – TARGET SAFETY TOPIC FOR CONSTRUCTION PERSONNEL

APPENDIX D

Vapor Monitoring Sheet

Air Quality Chart Data						MAP
Event #	1	2	3	4	5	
Date/Time						
Location						
Tester						
Weather						
Instrument						
Calibration						
Ambient/Unit						
Reading/Unit						

NOTES FOR EVENTS:	

Ionization Detector Response

Photoionization Detector (PID)	
Concentrations (in ppm)	**Level of PPE Required**
0.0 to 5.0	Level D
5.0 to 250.0	Level C
250.0 to 750.0	Level B
Above 750.0	Immediately withdraw from the area

Combustible Gas Response

Combustible Gas Indicator (CGI)	
Results (% of LEL)	**Procedure**
0.0 to 20.0	Continue with normal activity
Above 20.0	Immediately withdraw from the area

Oxygen Detector Response

Combustible Gas Indicator (CGI)	
Results (% Oxygen)	**Procedure**
0.0 to 19.5	Level B PPE is required
19.5 to 23.0	Continue with normal activity
Above 23.0	Immediately withdraw from the area

APPENDIX E
OSHA Respirator Medical Evaluation Questionnaire

Attachment 4
Appendix C to 1910.134:OSHA Respirator Medical Evaluation Questionnaire (Mandatory)

To the employer: Answers to questions in Section 1, and to question 9 in Section 2 of Part A, do not require a medical examination.

To the employee:
Can you read (circle one): Yes No
Your employer must allow you to answer this questionnaire during normal working hours, or at a time and place
that is convenient to you. To maintain your confidentiality, your employer or supervisor must not look at or review your answers, and your employer must tell you how to deliver or send this questionnaire to the health
care professional who will review it.
Part A. Section 1. (Mandatory) The following information must be provided by every employee who has been
selected to use any type of respirator (please print).
1. Today's date:_____
2. Your name:_____
3. Your age (to nearest year):_____
4. Sex (circle one): Male Female
5. Your height: _____ ft. _____ in.
6. Your weight: _____ lbs.
7. Your job title:_____
8. A phone number where you can be reached by the health care professional who reviews this questionnaire
(include the Area Code): _____
9. The best time to phone you at this number: _____
10. Has your employer told you how to contact the health care professional who will review this questionnaire
(circle one): . . . . . Yes No
11. Check the type of respirator you will use (you can check more than one category):
a. _____ N, R, or P disposable respirator (filter-mask, non-cartridge type only).
b. _____ Other type (for example, half- or full-facepiece type, powered-air purifying, supplied-air, self-contained
breathing apparatus).
12. Have you worn a respirator (circle one): . . . . . Yes No
If "yes," what
type(s):_____
_____
_____

Part A. Section 2. (Mandatory) Questions 1 through 9 below must be answered by every employee who has been
selected to use any type of respirator (please circle "yes" or "no").

1. Do you currently smoke tobacco, or have you smoked tobacco in the last month: . . . . . Yes No
2. Have you ever had any of the following conditions?
a. Seizures (fits): . . . . . Yes No
b. Diabetes (sugar disease): . . . . . Yes No
c. Allergic reactions that interfere with your breathing: . . . . . Yes No
d. Claustrophobia (fear of closed-in places): . . . . . Yes No
e. Trouble smelling odors (except when you had a cold): . . . . . Yes No
3. Have you ever had any of the following pulmonary or lung problems?
a. Asbestosis: . . . . . Yes No
b. Asthma: . . . . . Yes No
c. Chronic bronchitis: . . . . . Yes No
d. Emphysema: . . . . . Yes No
e. Pneumonia: . . . . . Yes No
f. Tuberculosis: . . . . . Yes No
g. Silicosis: . . . . . Yes No
h. Pneumothorax (collapsed lung): . . . . . Yes No
i. Lung cancer: . . . . . Yes No
j. Broken ribs: . . . . . Yes No
k. Any chest injuries or surgeries: . . . . . Yes No
l. Any other lung problem that you've been told about: . . . . . Yes No
4. Do you currently have any of the following symptoms of pulmonary or lung illness?
a. Shortness of breath: . . . . . Yes No
b. Shortness of breath when walking fast on level ground or walking up a slight hill or incline: Yes No
c. Shortness of breath when walking with other people at an ordinary pace on level ground: . . Yes No
d. Have to stop for breath when walking at your own pace on level ground: . . . . . Yes No
e. Shortness of breath when washing or dressing yourself: . . . . . Yes No
f. Shortness of breath that interferes with your job: . . . . . Yes No
g. Coughing that produces phlegm (thick sputum): . . . . . Yes No
h. Coughing that wakes you early in the morning: . . . . . Yes No
i. Coughing that occurs mostly when you are lying down: . . . . . Yes No
j. Coughing up blood in the last month: . . . . . Yes No
k. Wheezing: . . . . . Yes No
l. Wheezing that interferes with your job: . . . . . Yes No
m. Chest pain when you breathe deeply: . . . . . Yes No
n. Any other symptoms that you think may be related to lung problems: . . . . . Yes No
5. Have you ever had any of the following cardiovascular or heart problems?
a. Heart attack: . . . . . Yes No
b. Stroke: . . . . . Yes No
c. Angina: . . . . . Yes No
d. Heart failure: . . . . . Yes No
e. Swelling in your legs or feet (not caused by walking): . . . . . Yes No
f. Heart arrhythmia (heart beating irregularly): . . . . . Yes No
g. High blood pressure: . . . . . Yes No
h. Any other heart problem that you've been told about: . . . . . Yes No

6. Have you ever had any of the following cardiovascular or heart symptoms?
a. Frequent pain or tightness in your chest: . . . . . Yes No
b. Pain or tightness in your chest during physical activity: . . . . . Yes No
c. Pain or tightness in your chest that interferes with your job: . . . . . Yes No
d. In the past two years, have you noticed your heart skipping or missing a beat: . . . . . Yes No
e. Heartburn or indigestion that is not related to eating: . . . . . Yes No
f. Any other symptoms that you think may be related to heart or circulation problems: . . . . . Yes No
7. Do you currently take medication for any of the following problems?
a. Breathing or lung problems: . . . . . Yes No
b. Heart trouble: . . . . . Yes No
c. Blood pressure: . . . . . Yes No
d. Seizures (fits): . . . . . Yes No
8. Has your wearing a respirator caused any of the following problems? (If you've never used a respirator, check the following space __ and go to question 9:)
a. Eye irritation: . . . . . Yes No
b. Skin allergies or rashes: . . . . . Yes No
c. Anxiety that occurs only when you use the respirator: . . . . . Yes No
d. Unusual weakness or fatigue: . . . . . Yes No
e. Any other problem that interferes with your use of a respirator: . . . . . Yes No
9. Would you like to talk to the health care professional who will review this questionnaire about your answers
to this questionnaire: . . . . . Yes No
Questions 10 to 15 below must be answered by every employee who has been selected to use either a full-facepiece respirator or a self-contained breathing apparatus (SCBA). For employees who have been
selected to use other types of respirators, answering these questions is voluntary.
10. Have you ever lost vision in either eye (temporarily or permanently): . . . . . Yes No
11. Do you currently have any of the following vision problems?
a. Wear contact lenses: . . . . . Yes No
b. Wear glasses: . . . . . Yes No
c. Color blind: . . . . . Yes No
d. Any other eye or vision problem: . . . . . Yes No
12. Have you ever had an injury to your ears, including a broken ear drum: . . . . . Yes No
13. Do you currently have any of the following hearing problems?
a. Difficulty hearing: . . . . . Yes No
b. Wear a hearing aid: . . . . . Yes No
c. Any other hearing or ear problem: . . . . . Yes No
14. Have you ever had a back injury: . . . . . Yes No
15. Do you currently have any of the following musculoskeletal problems?
a. Weakness in any of your arms, hands, legs, or feet: . . . . . Yes No
b. Back pain: . . . . . Yes No
c. Difficulty fully moving your arms and legs: . . . . . Yes No
d. Pain or stiffness when you lean forward or backward at the waist: . . . . . Yes No
e. Difficulty fully moving your head up or down: . . . . . Yes No
f. Difficulty fully moving your head side to side: . . . . . Yes No
g. Difficulty bending at your knees: . . . . . Yes No
h. Difficulty squatting to the ground: . . . . . Yes No

i. Difficulty climbing a flight of stairs or a ladder carrying more than 25 lbs: . . . . . Yes No
j. Any other muscle or skeletal problem that interferes with using a respirator: . . . . . Yes No

Part B Any of the following questions, and other questions not listed, may be added to the questionnaire at the discretion of the health care professional who will review the questionnaire.

1. In your present job, are you working at high altitudes (over 5,000 feet) or in a place that has lower than normal amounts of oxygen: . . . . . Yes No

If "yes," do you have feelings of dizziness, shortness of breath, pounding in your chest, or other symptoms when you're working under these conditions: . . . . . Yes No

2. At work or at home, have you ever been exposed to hazardous solvents, hazardous airborne chemicals (e.g., gases, fumes, or dust), or have you come into skin contact with hazardous chemicals: . . . . . Yes No

If "yes," name the chemicals if you know them:_____
_____
_____

3. Have you ever worked with any of the materials, or under any of the conditions, listed below:

a. Asbestos: . . . . . Yes No
b. Silica (e.g., in sandblasting): . . . . . Yes No
c. Tungsten/cobalt (e.g., grinding or welding this material): . . . . . Yes No
d. Beryllium: . . . . . Yes No
e. Aluminum: . . . . . Yes No
f. Coal (for example, mining): . . . . . Yes No
g. Iron: . . . . . Yes No
h. Tin: . . . . . Yes No
i. Dusty environments: . . . . . Yes No
j. Any other hazardous exposures: . . . . . Yes No

If "yes," describe these exposures:_____
_____
___
_____
___

4. List any second jobs or side businesses you have:_____
_____
____

5. List your previous occupations:_____
_____
_____

6. List your current and previous hobbies:_____
_____
_____

7. Have you been in the military services? . . . . . Yes No

If "yes," were you exposed to biological or chemical agents (either in training or combat): . . . . . Yes No

8. Have you ever worked on a HAZMAT team? . . . . . Yes No

9. Other than medications for breathing and lung problems, heart trouble, blood pressure, and seizures mentioned earlier in this questionnaire, are you taking any other medications for any reason (including over-the-counter medications): . . . . . Yes No
If "yes," name the medications if you know them:_____
10. Will you be using any of the following items with your respirator(s)?
a. HEPA Filters: . . . . . Yes No
b. Canisters (for example, gas masks): . . . . . Yes No
c. Cartridges: . . . . . Yes No
11. How often are you expected to use the respirator(s) (circle "yes" or "no" for all answers that apply to you)?:
a. Escape only (no rescue): . . . . . Yes No
b. Emergency rescue only: . . . . . Yes No
c. Less than 5 hours per week: . . . . . Yes No
d. Less than 2 hours per day: . . . . . Yes No
e. 2 to 4 hours per day: . . . . . Yes No
f. Over 4 hours per day: . . . . . Yes No
12. During the period you are using the respirator(s), is your work effort:
a. Light (less than 200 kcal per hour): . . . . . Yes No
If "yes," how long does this period last during the average shift:_____hrs._____mins.
Examples of a light work effort are sitting while writing, typing, drafting, or performing light assembly work; or
standing while operating a drill press (1-3 lbs.) or controlling machines.
b. Moderate (200 to 350 kcal per hour): . . . . . Yes No
If "yes," how long does this period last during the average shift:_____hrs._____mins.
Examples of moderate work effort are sitting while nailing or filing; driving a truck or bus in urban traffic; standing while drilling, nailing, performing assembly work, or transferring a moderate load (about 35 lbs.) at
trunk level; walking on a level surface about 2 mph or down a 5-degree grade about 3 mph; or pushing a wheelbarrow with a heavy load (about 100 lbs.) on a level surface.
c. Heavy (above 350 kcal per hour): . . . . . Yes No
If "yes," how long does this period last during the average shift:_____hrs._____mins.
Examples of heavy work are lifting a heavy load (about 50 lbs.) from the floor to your waist or shoulder; working
on a loading dock; shoveling; standing while bricklaying or chipping castings; walking up an 8-degree grade
about 2 mph; climbing stairs with a heavy load (about 50 lbs.).
13. Will you be wearing protective clothing and or equipment (other than the respirator) when you're using your
respirator: . . . . . Yes No
If "yes," describe this protective clothing and or equipment:_____
_____
____
14. Will you be working under hot conditions (temperature exceeding 77 deg. F): . . . . . Yes No
15. Will you be working under humid conditions: . . . . . Yes No

16. Describe the work you'll be doing while you're using your respirator(s):

_____

_____

17. Describe any special or hazardous conditions you might encounter when you're using your respirator(s) (for
example, confined spaces, life-threatening gases):

_____

_____

18. Provide the following information, if you know it, for each toxic substance that you'll be exposed to when
you're using your respirator(s):

Name of the first toxic substance:_____

Estimated maximum exposure level per shift:_____

Duration of exposure per shift_____

Name of the second toxic substance:_____

Estimated maximum exposure level per shift:_____

Duration of exposure per shift:_____

Name of the third toxic substance:_____

Estimated maximum exposure level per shift:_____

Duration of exposure per shift:_____

The name of any other toxic substances that you'll be exposed to while using your respirator:

_____

_____

_____

19. Describe any special responsibilities you'll have while using your respirator(s) that may affect the safety and
well-being of others (for example, rescue, security):

_____

_____

_____

Apéndice C: Cuestionario de Evaluación Médico obligado por la OSHA (La agencia de seguridad y salud ocupacional) Parte 29 CFR 1910.134 Mandatorio para Proteccion del Sistema Respiratorio

Marque con un circulo para indicar sus respuestas a cada pregunta.
Para el empleado: Puede usted leer (circule uno): Sí o No
Su patrón debe dejarlo responder estas preguntas durante horas de trabajo o en un tiempo y lugar que sea conveniente para usted. Para mantener este cuestionario confidencial, su patrón o supervisor no debe ver o revisar sus respuestas. Su patrón debe informarle a quien dar o enviar este cuestionario para ser revisado por un
profesional de sanidad con licencia autorizado por el estado.

Parte A. Sección 1. (Mandatorio). La siguiente información debe de ser proveida por cada empleado que ha
sido seleccionado para usar cualquier tipo de respirador (escriba claro por favor).

1. Fecha :_____
2. Nombre:_____
3. Edad:_____
4. Su sexo (circule uno) Masculino o Femenino
5. Altura: _____pies _____pulgadas
6. Peso: _____libras
7. Su ocupación, título o tipo de trabajo: _____
8. Número de teléfono al donde pueda ser llamado por un profesional de sanidad con licencia que revisara este cuestionario (incluya el área):_____
9. Indique la hora mas conveniente para llamarle a este numero:_____
10. ¿Le ha informado su patrón como comunicarse con el profesional de sanidad con licencia que va a revisar
este cuestionario (circule una respuesta)? . . . . . Sí o No
11. Anote el tipo de equipo protector respíratorio que va utilizar (puede anotar mas de una categoría)
a._____ Respirador disponible de clase N, R, o P (por ejemplo: respirador de filtro mécanico, respirador sin
cartucho)
b._____ Otros tipos (respirador con cartucho químico, máscara con cartucho químico, máscara con manguera con soplador (PAPR),máscara con manguera sin soplador (SAR), aparato respiratorio autónomos (SCBA)).
12. ¿Ha usado algun tipo de respirador ? . . . . . Sí o No

Si ha usado equipo protector respíratorio, que tipo(s) ha utilizado:
_____
_____

Parte A. Seccion 2. (Mandatorio): Preguntas del 1 al 9 deben ser contestadas por cada empleado que fue seleccionado a usar cualquier tipo de respirador. Marque con un circulo para indicar sus repuestas.

1. ¿Corrientemente fuma tabaco, o ha fumado tabaco durante el ultimo mes? . . . . . Sí o No
2. ¿Ha tenido algunas de las siguientes condiciones medicas?
a. Convulsiones : . . . . . Sí o No
b. Diabetes (azucar en la sangre): . . . . . Sí o No
c. Reacciones alergicas que no lo deja respirar: . . . . . Sí o No
d. Claustrofobia (miedo de estar en espacios cerrados): . . . . . Sí o No
e. Dificultad oliendo excepto cuando ha cogido un resfriado: . . . . . Sí o No
3. ¿Ha tenido algunas de los siguientes problemas pulmonares?
a. Asbestosis: . . . . . Sí o No
b. Asma: . . . . . Sí o No
c. Bronquitis cronica: . . . . . Sí o No
d. Emfisema: . . . . . Sí o No
e. Pulmonía: . . . . . Sí o No
f. Tuberculosis: . . . . . Sí o No
g. Silicosis: . . . . . Sí o No
h. Neumotorax (pulmon colapsado): . . . . . Sí o No
i. Cáncer en los pulmones: . . . . . Sí o No
j. Costillas quebradas: . . . . . Sí o No
k. Injuria o cirujía en el pecho: . . . . . Sí o No
l. Algun otro problema de los pulmones que le ha dicho su medico: . . . . . Sí o No
4. ¿Corrientemente tiene alguno de los siguientes síntomas o enfermedades en sus pulmones?
a. Respiración dificultosa . . . . . Sí o No
b. Respiración dificultosa cuando camina rapido sobre terreno plano o subiendo una colina: Sí o No
c. Respiración dificultosa cuando camina normalmente con otras personas sobre terreno plano: Sí o No
d. Cuando camina normalmente en terreno plano se encuentra corto de resuello? . . . . . Sí o No
e. Respiración dificultosa cuando se esta bañando o vistiendo: . . . . . Sí o No
f. Respiración dificultosa que lo impede trabajar: . . . . . Sí o No
g. Tos con flema: . . . . . Sí o No
h. Tos que lo despierta temprano en la mañana: . . . . . Sí o No
i. Tos que occure cuando esta acostado: . . . . . Sí o No
j. Ha tosido sangre en el ultimo mes: . . . . . Sí o No
k. Silbar o respirar con mucha dificultad: . . . . . Sí o No
l. Silbar que lo impede trabajar: . . . . . Sí o No
m. Dolor del pecho cuando respira profundamente: . . . . . Sí o No
n. Otros símtomas que crea usted estar relacionados a los pulmones: . . . . . Sí o No
5. ¿Ha tenido algunos de los siguientes problemas con el corazón?
a. Ataque cardiaco: . . . . . Sí o No
b. Ataque cerebrovascular: . . . . . Sí o No
c. Dolor en el pecho: . . . . . Sí o No
d. Falla de corazón: . . . . . Sí o No
e. Hinchazón en las piernas o pies (que no sea por caminar): . . . . . Sí o No
f. Latidos irregulares del corazón: . . . . . Sí o No
g. Alta presión: . . . . . Sí o No
h. Algun otro problema cardio-vascular o cardiaco: . . . . . Sí o No
6. ¿Ha tenido algunos de los siguientes síntomas causados por su corazón?
a. Dolor de pecho frecuente o pecho apretado: . . . . . Sí o No
b. Dolor o pecho apretado durante actividad fisica: . . . . . Sí o No

c. Dolor o pecho apretado que no lo deja trabajar normalmente: . . . . . Sí o No
d. En los ultimos dos años ha notado que su corazón late irregularmente: . . . . . Sí o No
e. Dolor en el pecho o indigestion que no es relacionado a la comida: . . . . . Sí o No
f. Algunos otros síntomas que usted piensa ser causado por problemas de su corazón o de su circulation.
. . . . . Sí o No
7. ¿Esta tomando medicina por algunso de los siguientes problemas?
a. Respiración dificultosa: . . . . . Sí o No
b. Problemas del corazón: . . . . . Sí o No
c. Alta presión : . . . . . Sí o No
d. Convulsiones: . . . . . Sí o No
8. ¿Le ha causado alguno de los siguientes problemas usando el respirador? (si no ha usado un respirador, deje
esta pregunta en blanco__ y continue con pregunta 9).
a. Irritación de los ojos: . . . . . Sí o No
b. Alergias del cutis o sarpullido: . . . . . Sí o No
c. Ansiedad que ocurre solamente cuando usa el respirado: . . . . . Sí o No
d. Debilidad, falta de vigor o fatiga desacostumbrada: . . . . . Sí o No
e. Algun otro problema que le impida utilizar su respirador: . . . . . Sí o No
9. ¿Le gustaria hablar con el profesional de sanidad con licencia autorizado por el estado que revisara este cuestionario sobre sus respuestas? . . . . . Sí o No

Las preguntas del 10 al 15 deben ser contestadas por los empleados seleccionados para usar una máscara
con cartucho químico o aparato respiratorio autónomo (SCBA). Los empleados que usan otro tipo de respirador no tienen que contestar estas preguntas.

10. ¿Ha perdido la vista en cualquiera de sus ojos (temporalmente o permanente): . . . . . Sí o No
11. ¿Corrientemente tiene algunos de los siguientes problemas con su vista?
a. Usa lentes de contacto: . . . . . Sí o No
b. Usa lentes: . . . . . Sí o No
c. Daltoniano (dificultad distinguiendo colores): . . . . . Sí o No
d. Tiene algún problema con sus ojos o su vista: . . . . . Sí o No
12. ¿Ha tenido daño en sus oidos incluyendo rotura del tímpano: . . . . . Sí o No
13. ¿Corrientemente tiene uno de las siguientes problemas para oir?
a. Dificultad oyendo: . . . . . Sí o No
b. Usa un aparato para oir: . . . . . Sí o No
c. Tiene algun otro problema con sus oidos o dificultad escuchando: . . . . . Sí o No
14. ¿Se ha dañado o lastimado su espalda? . . . . . Sí o No
15. ¿Tiene uno de los siguientes problemas de su aparato muscular or eskeleto?
a. Debilidad en sus brazos, manos, piernas o pies : . . . . . Sí o No
b. Dolor de espalda: . . . . . Sí o No
c. Dificultad para mover sus brazos y piernas completamente: . . . . . Sí o No
d. Dolor o engarrotamiento cuando se inclina para adelante o para atras: . . . . . Sí o No
e. Dificultad para mover su cabeza para arriba o para abajo completamente: . . . . . Sí o No
f. Dificultad para mover su cabeza de lado a lado: . . . . . Sí o No
g. Dificultad para agacharse doblando sus rodillas: . . . . . Sí o No
h. Dificultad para agacharse hasta tocar el piso: . . . . . Sí o No
i. Dificultad subiendo escaleras cargando mas de 25 libras: . . . . . Sí o No
j. Alguno problema muscular o con sus huesos que le evite usar un respirador: . . . . . Sí o No

Parte B - Las siguientes preguntas pueden ser agregadas al cuestionario a discrecion del profesional de
sanidad con licencia autorizado por el estado.

1. ¿Esta trabajando en las alturas arriba de 5,000 pies o en sitios que tienen menos oxígeno de lo normal? . . . . . Sí o No

Si la respuesta es “Sí”, se ha sentido mareado, o ha tenido dificultad respirando, palpitaciones, o cualquier otro síntoma que usted no tiene cuando no esta trabajando bajo estas condiciones: . . . . . Sí o No

2. ¿En el trabajo o en su casa, ha estado expuesto a solventes o contaminantes peligrosos en el aire (por ejemplo, humos, neblina o polvos) o ha tenido contacto del cutis con químicas peligrosas? . . . . . Sí o No

Escriba las químicas y productos con las que ha estado expuesto, si sabe cuales son:_____

3. ¿Ha trabajado con los siguientes materiales o las condiciones anotadas abajo?:

a. Asbestos: . . . . . Sí o No
b. Sílice (Limpiar mediante un chorro de arena): . . . . . Sí o No
c. Tungsteno/Cobalto (pulverizar o soldadura): . . . . . Sí o No
d. Berilio: . . . . . Sí o No
e. Aluminio: . . . . . Sí o No
f. Carbón de piedra (minando): . . . . . Sí o No
g. Hierro: . . . . . Sí o No
h. Estaño: . . . . . Sí o No
i. Ambiente polvoriento: . . . . . Sí o No
j. Otra exposicion peligrosa: . . . . . Sí o No

Describa las exposiciones peligrosas:

_____
_____

4. ¿Tiene usted otro trabajo o un negocio aparte de este?

_____
_____

5. Apunte su previos trabajos:

_____

6. Apunte sus pasatiempos:

_____
_____

7. ¿Tiene servicio militar? . . . . . Sí o No

Si la respuesta es “Sí”, ha estado expuesto a agentes químicos o biologicos durante entrenamiento o combate: . . . . . Sí o No

8. ¿Alguna vez ha trabajado en un equipo de HAZMAT (equipo respondedor a incidentes de materiales peligosos con emergencia)? . . . . . Sí o No

9. ¿Esta tomando alguna medicina que no haya mencionado en este cuestionario (incluyendo remedios caseros o
medicinas que compra sin receta)? . . . . . Sí o No
Si la respuesta es “Sí”, cuales son_____
10. ¿Va a usar algunas de las siguientes partes con su respirador?
a. filtros HEPA (filtro de alta eficiencia que remueve partículas tóxicas en la atmósfera): . . . . Sí o No
b. Canastillo (por ejemplo, máscara para gas): . . . . . Sí o No
c. Cartuchos: . . . . . Sí o No
11. ¿Cuántas veces espera usar un respirador?
a. Para salir de peligro solamente (no rescates): . . . . . Sí o No
b. Recates de emergencia solamente: . . . . . Sí o No
c. Menos de 5 horas *por semana*: . . . . . Sí o No
d. Menos de 2 horas *por día*: . . . . . Sí o No
e. 2 a 4 horas *por día*: . . . . . Sí o No
f. Mas de 4 horas *por día*: . . . . . Sí o No
12. ¿Durante el tiempo de usar el respirador, su trabajo es...?
a. **Ligero** (menos de 200 kcal por hora): . . . . . Sí o No
Si la respuesta es “sí”, cuanto tiempo dura la obra _____horas _____minutos
Ejemplos de trabajos ligeros: estar sentado escribiendo, escribiendo a máquina, diseñando, trabajando la línea de
montaje, o estar parado gobernando un taladro o máquinas:
b. **Moderado** (200-350 kcal por hora): . . . . . Sí o No
Si la respuesta es “sí”cuanto tiempo dura en promedio por jornada _____horas_____minutos
Ejemplos de trabajos moderados : sentado clavando o archivando; manejando un camión o autobús en trafico
pesado; estar de pie taladrando, clavando, trabajando la línea de montaje, o transferiendo una carga (de 35 libras)
a la altura de la cintura; caminando sobre tierra plana a 2 millas por hora o bajando a 3 millas por hora; empujando una carretilla con una carga pesada (de 100 libras) sobre terreno plano.
c. **Pesado** (mas de 350 kcal por hora): . . . . . Sí o No
Si la respuesta es “sí”cuanto tiempo dura en promedio por jornada _____horas_____minutos
Ejemplos de trabajos pesados: levantando cargas pesadas (mas de 50 libras) desde el piso hasta la altura de la
cintura o los hombros; trabajando cargando o descargando; transpalear; estar de pie trabajando de albañil o demenuzando moldes; subiendo a 2 millas por hora; subiendo la escalera con una carga pesada (mas de 50 libras).
13. ¿Va a estar usando ropa o equipo protectivo cuando use el respirador? . . . . . Sí o No
Si la respuesta es “sí” describa que va a estar
usando_____
_____
_____
14. ¿Va a estar trabajando en condiciones calurosas (temperatura mas de 77 grados F)? . . . . . Sí o No
15. ¿Va a estar trabajando en condiciones humedas? . . . . . Sí o No

16. Describa el tipo de trabajo que va a estar usted haciendo cuando use el respirador.

_____

_____

17. Describa cualquier situacion especial o peligrosa que pueda encontrar cuando este usando el respirador (por
ejemplo, espacios encerrados, gases que lo puedan matar, etc.)

_____

18. Provea la siguiente informacion si la sabe, por cada sustancia tóxica que usted va a estar expuesto cuando
este usando el respirador(s):

Nombre de la primera sustancia tóxica_____

Maximo nivel de exposición por jornada de trabajo_____

Tiempo de exposición por jornada_____

Nombre de la segunda sustancia tóxica_____

Maximo nivel de exposición por jornada de trabajo_____

Tiempo de exposición por jornada_____

Nombre de la tercera sustancia tóxica_____

Máximo nivel de exposición por jornada de trabajo_____

Tiempo de exposición por jornada_____

El nombre de cualquier sustancia tóxica que usted va a estar expuesto cuando este usted usando el
respirador_____

_____

19. Describa alguna responsabilidad especial que usted va a tener cuando usted este usado el respirador(s) que
pueda afectar la seguridad o la vida de otros (por ejemplo, rescate, seguridad).

_____

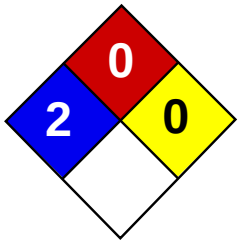
APPENDIX F

Agreement and Acknowledgement Statement

Agreement and Acknowledgement Statement

By signing within the space provided below you are agreeing that you have read and fully understand the contents of the Health and Safety Plan and you are agreeing to conduct yourself in accordance with the procedures and protocols described. You also agree to notify the site Health and Safety Officer of anyone on-site conducting themselves or creating in a manner or creating a condition or situation on-site that is prohibited within the Health and Safety Plan. Furthermore, by signing this form, you are acknowledging that you have had the opportunity to ask, and have received the answer to any questions about the content of the Health and Safety Plan or its interpretation.

NAME	DATE	SIGNATURE



Health	2
Fire	0
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Tetrachloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Tetrachloroethylene

Catalog Codes: SLT3220

CAS#: 127-18-4

RTECS: KX3850000

TSCA: TSCA 8(b) inventory: Tetrachloroethylene

CI#: Not available.

Synonym: Perchloroethylene; 1,1,2,2-Tetrachloroethylene; Carbon bichloride; Carbon dichloride; Ankilostin; Didakene; Dilatin PT; Ethene, tetrachloro-; Ethylene tetrachloride; Perawin; Perchlor; Perclene; Perclene D; Percosolvel; Tetrachloroethene; Tetraleno; Tetralex; Tetravec; Tetroguer; Tetropil

Chemical Name: Ethylene, tetrachloro-

Chemical Formula: C2-Cl4

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Tetrachloroethylene	127-18-4	100

Toxicological Data on Ingredients: Tetrachloroethylene: ORAL (LD50): Acute: 2629 mg/kg [Rat]. DERMAL (LD): Acute: >3228 mg/kg [Rabbit]. MIST(LC50): Acute: 34200 mg/m 8 hours [Rat]. VAPOR (LC50): Acute: 5200 ppm 4 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (anticipated carcinogen) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, liver, peripheral nervous system, respiratory tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, metals, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 25 (ppm) from OSHA (PEL) [United States] TWA: 25 STEL: 100 (ppm) from ACGIH (TLV) [United States] TWA: 170 (mg/m3) from OSHA (PEL) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Ethereal.

Taste: Not available.

Molecular Weight: 165.83 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 121.3°C (250.3°F)

Melting Point: -22.3°C (-8.1°F)

Critical Temperature: 347.1°C (656.8°F)

Specific Gravity: 1.6227 (Water = 1)

Vapor Pressure: 1.7 kPa (@ 20°C)

Vapor Density: 5.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 5 - 50 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.4

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Miscible with alcohol, ether, chloroform, benzene, hexane. It dissolves in most of the fixed and volatile oils. Solubility in water: 0.015 g/100 ml @ 25 deg. C It slowly decomposes in water to yield Trichloroacetic and Hydrochloric acids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Oxidized by strong oxidizing agents. Incompatible with sodium hydroxide, finely divided or powdered metals such as zinc, aluminum, magnesium, potassium, chemically active metals such as lithium, beryllium , barium. Protect from light.

Special Remarks on Corrosivity: Slowly corrodes aluminum, iron, and zinc.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2629 mg/kg [Rat]. Acute dermal toxicity (LD50): >3228 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5200 4 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH. Classified 2A (Probable for human.) by IARC, 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. May cause damage to the following organs: kidneys, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Publishe Lethal Dose/Conc: LDL [Rabbit] - Route: Oral; Dose: 5000 mg/kg LDL [Dog] - Route: Oral; Dose: 4000 mg/kg LDL [Cat] - Route: Oral; Dose: 4000 mg/kg

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects(teratogenic). May affect genetic material (mutagenic). May cause cancer.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation with possible dermal blistering or burns. Symtoms may include redness, itching, pain, and possible dermal blistering or burns. It may be absorbed through the skin with possible systemic effects. A single prolonged skin exposure is not likely to result in the material being absorbed in harmful amounts. Eyes: Contact causes transient eye irritation, lacrimation. Vapors cause eye/conjunctival irritation. Symptoms may include redness and pain. Inhalation: The main route to occupational exposure is by inhalation since it is readily absorbed through the lungs. It causes respiratory tract irritation, . It can affect behavior/central nervous system (CNS depressant and anesthesia ranging from slight inebriation to death, vertigo, somnolence, anxiety, headache, excitement, hallucinations, muscle incoordination, dizziness, lightheadness, disorentiation, seizures, enotional instability, stupor, coma). It may cause pulmonary edema Ingestion: It can cause nausea, vomiting, anorexia, diarrhea, bloody stool. It may affect the liver, urinary system (proteinuria, hematuria, renal failure, renal tubular disorder), heart (arrhythmias). It may affect behavior/central nervous system with symptoms similar to that of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact may result in excessive drying of the skin, and irritation. Ingestion/Inhalation: Chronic exposure can affect the liver(hepatitis,fatty liver degeneration), kidneys, spleen, and heart (irregular heartbeat/arrhythmias, cardiomyopathy, abnormal EEG), brain, behavior/ central nervous system/peripheral nervous system (impaired memory, numbness of extremeties, peripheral neuropathy and other

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 18.4 mg/l 96 hours [Fish (Fatthead Minnow)]. 18 mg/l 48 hours [Daphnia (daphnia)]. 5 mg/l 96 hours [Fish (Rainbow Trout)]. 13 mg/l 96 hours [Fish (Bluegill sunfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Tetrachloroethylene UNNA: 1897 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Tetrachloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Tetrachloroethylene Connecticut hazardous material survey.: Tetrachloroethylene Illinois toxic substances disclosure to employee act: Tetrachloroethylene Illinois chemical safety act: Tetrachloroethylene New York release reporting list: Tetrachloroethylene Rhode Island RTK hazardous substances: Tetrachloroethylene Pennsylvania RTK: Tetrachloroethylene Minnesota: Tetrachloroethylene Michigan critical material: Tetrachloroethylene Massachusetts RTK: Tetrachloroethylene Massachusetts spill list: Tetrachloroethylene New Jersey: Tetrachloroethylene New Jersey spill list: Tetrachloroethylene Louisiana spill reporting: Tetrachloroethylene California Director's List of Hazardous Substances: Tetrachloroethylene TSCA 8(b) inventory: Tetrachloroethylene TSCA 8(d) H and S data reporting: Tetrachloroethylene: Effective date: 6/1/87; Sunset date: 6/1/97 SARA 313 toxic chemical notification and release reporting: Tetrachloroethylene CERCLA: Hazardous substances.: Tetrachloroethylene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37- Wear suitable gloves. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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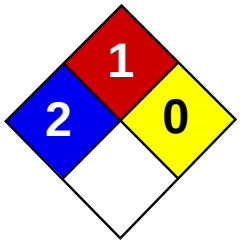

Material Safety Data Sheet
Trichloroethylene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Trichloroethylene

Catalog Codes: SLT3310, SLT2590

CAS#: 79-01-6

RTECS: KX4560000

TSCA: TSCA 8(b) inventory: Trichloroethylene

CI#: Not available.

Synonym:

Chemical Formula: C2HCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Trichloroethylene	79-01-6	100

Toxicological Data on Ingredients: Trichloroethylene: ORAL (LD50): Acute: 5650 mg/kg [Rat]. 2402 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 420°C (788°F)

Flash Points: Not available.

Flammable Limits: LOWER: 8% UPPER: 10.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/

spray. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Carcinogenic, teratogenic or mutagenic materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 50 STEL: 200 (ppm) from ACGIH (TLV) TWA: 269 STEL: 1070 (mg/m3) from ACGIH Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 131.39 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 86.7°C (188.1°F)

Melting Point: -87.1°C (-124.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.4649 (Water = 1)

Vapor Pressure: 58 mm of Hg (@ 20°C)

Vapor Density: 4.53 (Air = 1)

Volatility: Not available.

Odor Threshold: 20 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether, acetone.

Solubility:
Easily soluble in methanol, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity:
Extremely corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 2402 mg/kg [Mouse]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified + (PROVEN) by OSHA. Classified A5 (Not suspected for human.) by ACGIH. The substance is toxic to kidneys, the nervous system, liver, heart, upper respiratory tract.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in human. Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Trichloroethylene : UN1710 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Trichloroethylene California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Trichloroethylene Pennsylvania RTK: Trichloroethylene Florida: Trichloroethylene Minnesota: Trichloroethylene Massachusetts RTK: Trichloroethylene New Jersey: Trichloroethylene TSCA 8(b) inventory: Trichloroethylene CERCLA: Hazardous substances.: Trichloroethylene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Material Safety Data Sheet
cis-1,2-Dichloroethylene, 97%

ACC# 97773

Section 1 - Chemical Product and Company Identification

MSDS Name: cis-1,2-Dichloroethylene, 97%
Catalog Numbers: AC113380000, AC113380025, AC113380100
Synonyms: cis-Acetylene dichloride.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
156-59-2	cis-1,2-Dichloroethylene	97	205-859-7

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: Clear liquid. Flash Point: 6 deg C.
Warning! Flammable liquid and vapor. Harmful if inhaled. Unstabilized substance may polymerize. Causes eye and skin irritation. May be harmful if swallowed. May cause respiratory tract irritation.
Target Organs: Central nervous system, respiratory system, eyes, skin.

Potential Health Effects
Eye: Causes moderate eye irritation.
Skin: Causes moderate skin irritation. May cause dermatitis.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed. May cause central nervous system depression.
Inhalation: May cause respiratory tract irritation. May cause narcotic effects in high concentration. Eye irritation, vertigo, and nausea were reported in humans exposed at 2200 ppm.
Chronic: Not available. Some German investigators reported fatty degeneration of the liver upon repeated narcotic doses in rats and

Section 4 - First Aid Measures

Eyes: In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid.
Skin: In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Fire or excessive heat may result in violent rupture of the container due to bulk polymerization. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Hazardous polymerization may occur under fire conditions.
Extinguishing Media: Use water fog, dry chemical, carbon dioxide, or regular foam.
Flash Point: 6 deg C (42.80 deg F)
Autoignition Temperature: 440 deg C (824.00 deg F)
Explosion Limits, Lower:9.70 vol %
Upper: 12.80 vol %
NFPA Rating: (estimated) Health: 2; Flammability: 3; Instability: 2

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Pure vapor will be uninhibited and may polymerize in vents or other confined spaces.
Storage: Keep away from sources of ignition. Store in a tightly closed container. Flammables-area. Store protected from light and air.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
cis-1,2-Dichloroethylene	200 ppm TWA	none listed	none listed

OSHA Vacated PELs: cis-1,2-Dichloroethylene: No OSHA Vacated PELs are listed for this chemical.
Personal Protective Equipment
Eyes: Wear chemical splash goggles.
Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Liquid
Appearance: Clear
Odor: Pleasant odor
pH: Not available.
Vapor Pressure: 201 mm Hg @ 25 deg C
Vapor Density: 3.34 (air=1)
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 60 deg C @ 760 mm Hg
Freezing/Melting Point:-80 deg C
Decomposition Temperature: Not available.
Solubility: Insoluble.
Specific Gravity/Density:1.2800
Molecular Formula:C2H2Cl2
Molecular Weight:96.94

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. This material is a monomer and may polymerize under certain conditions if the stabilizer is lost.
Conditions to Avoid: Light, ignition sources, exposure to air, excess heat.
Incompatibilities with Other Materials: Strong oxidizing agents, strong bases, copper.
Hazardous Decomposition Products: Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.
Hazardous Polymerization: May occur.

Section 11 - Toxicological Information

RTECS#:
CAS# 156-59-2: KV9420000
LD50/LC50:
CAS# 156-59-2:
Inhalation, rat: LC50 = 13700 ppm;

Carcinogenicity:
CAS# 156-59-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology: No data available.
Teratogenicity: No data available.
Reproductive Effects: No data available.
Mutagenicity: No data available.
Neurotoxicity: No data available.
Other Studies:

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additional

generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	DOT regulated - small quantity provisions apply (see 49CFR173.4)	1,2-DICHLOROETHYLENE
Hazard Class:		3
UN Number:		UN1150
Packing Group:		II

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 156-59-2 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
Section 313 No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 156-59-2 can be found on the following state right to know lists: Pennsylvania, Massachusetts.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols:
XN F
Risk Phrases:
R 11 Highly flammable.
R 20 Harmful by inhalation.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.
S 29 Do not empty into drains.
S 7 Keep container tightly closed.
S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

WGK (Water Danger/Protection)

CAS# 156-59-2: No information available.

Canada - DSL/NDSL

CAS# 156-59-2 is listed on Canada's NDSL List.

Canada - WHMIS

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

Section 16 - Additional Information

MSDS Creation Date: 2/09/1998
Revision #5 Date: 3/16/2007

trans-1,2-Dichloroethylene (cas 156-60-5) MSDS

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : *trans* -1,2-Dichloroethylene

Product Number : D62209
Brand : Anonymous
Index-No. : 602-026-00-3
CAS-No. : 156-60-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Flammable liquids (Category 2)
Acute toxicity, Inhalation (Category 4)
Chronic aquatic toxicity (Category 3)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Highly flammable. Harmful by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]
Pictogram

Signal word Danger

Hazard statement(s)
H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P273 Avoid release to the environment.

Supplemental Hazard Statements none

According to European Directive 67/548/EEC as amended.
Hazard symbol(s)

R-phrase(s)
R11 Highly flammable.
R20 Harmful by inhalation.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.
S29 Do not empty into drains.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : trans-1,2-Dichloroethene
trans-Acetylene dichloride

Formula : C2H2Cl2

Molecular Weight	:	96,94 g/mol

Component		Concentration
trans-Dichloroethylene		
CAS-No.	156-60-5	-
EC-No.	205-860-2	
Index-No.	602-026-00-3	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
prolonged or repeated exposure can cause:, narcosis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed
no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, Hydrogen chloride gas

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking.Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Light sensitive. Air and moisture sensitive.

7.3 Specific end uses
no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: liquid, clear Colour: light yellow
b)	Odour	no data available
c)	Odour Threshold	no data available
d)	pH	no data available
e)	Melting point/freezing point	Melting point/range: 50 °C - lit.
f)	Initial boiling point and boiling range	48 °C - lit.
g)	Flash point	6,0 °C - closed cup
h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lower flammability or explosive limits	Upper explosion limit: 12,8 %(V) Lower explosion limit: 9,7 %(V)
k)	Vapour pressure	no data available
l)	Vapour density	no data available
m)	Relative density	1,257 g/mL at 25 °C
n)	Water solubility	no data available
o)	Partition coefficient: n-octanol/water	no data available
p)	Autoignition temperature	no data available
q)	Decomposition temperature	no data available
r)	Viscosity	no data available

s) Explosive properties no data available

t) Oxidizing properties no data available

9.2 Other safety information
no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
no data available

10.2 Chemical stability
no data available

10.3 Possibility of hazardous reactions
no data available

10.4 Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5 Incompatible materials
Oxidizing agents, Bases

10.6 Hazardous decomposition products
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - rat - 1.235 mg/kg

LD50 Oral - mouse - 2.122 mg/kg
Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia.

LC50 Inhalation - rat - 24100 ppm
Remarks: Behavioral:Somnolence (general depressed activity).

LD50 Dermal - rabbit - > 5.000 mg/kg
Remarks: Prolonged skin contact may cause skin irritation and/or dermatitis. Nutritional and Gross Metabolic:Weight loss or decreased weight gain.

Skin corrosion/irritation
Skin - rabbit - Skin irritation - 24 h

Serious eye damage/eye irritation
Eyes - rabbit - Eye irritation

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	Harmful if inhaled. Causes respiratory tract irritation.
Ingestion	Harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes serious eye irritation.

Signs and Symptoms of Exposure
prolonged or repeated exposure can cause:, narcosis, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: KV9400000

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 220,00 mg/l - 48 h

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number
ADR/RID: 1150 IMDG: 1150 IATA: 1150

14.2 UN proper shipping name
ADR/RID: 1,2-DICHLOROETHYLENE
IMDG: 1,2-DICHLOROETHYLENE
IATA: 1,2-Dichloroethylene

14.3 Transport hazard class(es)
ADR/RID: 3 IMDG: 3 IATA: 3

14.4 Packaging group
ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards
ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user
no data available

15. REGULATORY INFORMATION

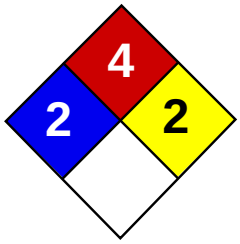
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical Safety Assessment
no data available

16. OTHER INFORMATION

Further information
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. guidechem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.



Health	2
Fire	4
Reactivity	0
Personal Protection	G

Material Safety Data Sheet
Vinylidene Chloride MSDS

Section 1: Chemical Product and Company Identification

Product Name: Vinylidene Chloride

Catalog Codes: SLV1063

CAS#: 75-35-4

RTECS: KV9275000

TSCA: TSCA 8(b) inventory: Vinylidene Chloride

CI#: Not available.

Synonym: 1,1-Dichloroethylene

Chemical Name: Vinylidene Chloride

Chemical Formula: C2-H2-Cl2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Vinylidene Chloride	75-35-4	100

Toxicological Data on Ingredients: Vinylidene Chloride: ORAL (LD50): Acute: 194 mg/kg [Mouse]. 200 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant). Slightly hazardous in case of eye contact (irritant), of inhalation (lung irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance may be toxic to kidneys, liver, bladder, gastrointestinal tract, skin, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 520°C (968°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 8.4% UPPER: 16.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call

for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, moisture.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
STEL: 20 (ppm) from ACGIH (TLV) [United States] TWA: 1 from OSHA (PEL) [United States] TWA: 2 (ppm) [Austria] TWA: 5 (ppm) [Belgium] TWA: 5 (ppm) [Denmark] TWA: 2 (ppm) [Germany] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Chloroform-like (Slight.)

Taste: Not available.

Molecular Weight: 96.94 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 31°C (87.8°F)

Melting Point: -122.5°C (-188.5°F)

Critical Temperature: Not available.

Specific Gravity: 1.213 (Water = 1)

Vapor Pressure: 78.8 kPa (@ 20°C)

Vapor Density: 3.25 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Very slightly dispersed in cold water, hot water, diethyl ether, acetone.

Solubility: Very slightly soluble in cold water, hot water, diethyl ether, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, moisture.

Corrosivity: Corrosive in presence of steel.

Special Remarks on Reactivity:
Do not mix with Aluminum or Copper. May cause polymerization when exposed to Nitric Acid, Chlorosulfonic Acid, Oleum

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 194 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 4 (No evidence.) by NTP. A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. May cause damage to the following organs: kidneys, liver, bladder, gastrointestinal tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant). Slightly hazardous in case of inhalation (lung irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Vinylidene chloride, Inhibited UNNA: 1303 PG: I

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Vinylidene Chloride Florida: Vinylidene Chloride Minnesota: Vinylidene Chloride Michigan critical material: Vinylidene Chloride Massachusetts RTK: Vinylidene Chloride New Jersey: Vinylidene Chloride TSCA 8(b) inventory: Vinylidene Chloride TSCA 8(a) PAIR: Vinylidene Chloride TSCA 8(d) H and S data reporting: Vinylidene Chloride: 8/4/95 CERCLA: Hazardous substances.: Vinylidene Chloride: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

DSCL (EEC):
R12- Extremely flammable. R20- Harmful by inhalation. R40- Possible risks of irreversible effects.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 4

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 4

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 12:15 AM

Last Updated: 05/21/2013 12:00 PM

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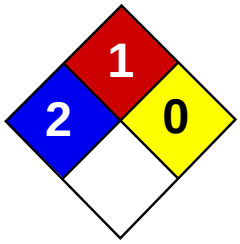

Health	2
Fire	1
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
1,1,1-Trichloroethane MSDS

Section 1: Chemical Product and Company Identification

Product Name: 1,1,1-Trichloroethane

Catalog Codes:

CAS#: 71-55-6

RTECS: KJ2975000

TSCA: TSCA 8(b) inventory: 1,1,1-Trichloroethane

CI#: Not available.

Synonym:

Chemical Formula: CH3CCl3

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
{1,1,1-}Trichloroethane	71-55-6	100

Toxicological Data on Ingredients: 1,1,1-Trichloroethane: ORAL (LD50): Acute: 9600 mg/kg [Rat]. 6000 mg/kg [Mouse]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit]. VAPOR (LC50): Acute: 18000 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of ingestion. Hazardous in case of skin contact (irritant, permeator), of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, the nervous system, liver, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 537°C (998.6°F)

Flash Points: Not available.

Flammable Limits: LOWER: 7.5% UPPER: 12.5%

Products of Combustion: These products are carbon oxides (CO, CO2), halogenated compounds.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of oxidizing materials, of acids, of alkalis.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive to explosive in presence of oxidizing materials, of acids, of alkalis.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 350 STEL: 440 CEIL: 440 (ppm) from ACGIH (TLV) [1995] TWA: 1900 STEL: 2460 CEIL: 2380 (mg/m3) from ACGIH [1995]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 133.41 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 74.1°C (165.4°F)

Melting Point: -32.5°C (-26.5°F)

Critical Temperature: Not available.

Specific Gravity: 1.3376 (Water = 1)

Vapor Pressure: 100 mm of Hg (@ 20°C)

Vapor Density: 4.6 (Air = 1)

Volatility: Not available.

Odor Threshold: 400 ppm

Water/Oil Dist. Coeff.: The product is equally soluble in oil and water; log(oil/water) = 0

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 6000 mg/kg [Mouse]. Acute dermal toxicity (LD50): 15800 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 18000 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, liver, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion. Hazardous in case of skin contact (irritant, permeator), of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Detected in maternal milk in human.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : 1,1,1-Trichloroethane : UN2831 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: 1,1,1-Trichloroethane Massachusetts RTK: 1,1,1-Trichloroethane TSCA 8(b) inventory: 1,1,1-Trichloroethane SARA 313 toxic chemical notification and release reporting: 1,1,1-Trichloroethane CERCLA: Hazardous substances.: 1,1,1-Trichloroethane

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

DSCL (EEC):
R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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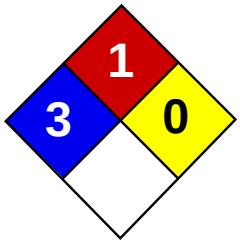

Health	3
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Cadmium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Cadmium

Catalog Codes: SLC3484, SLC5272, SLC2482

CAS#: 7440-43-9

RTECS: EU9800000

TSCA: TSCA 8(b) inventory: Cadmium

CI#: Not applicable.

Synonym:

Chemical Name: Cadmium

Chemical Formula: Cd

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Cadmium	7440-43-9	100

Toxicological Data on Ingredients: Cadmium: ORAL (LD50): Acute: 2330 mg/kg [Rat.]. 890 mg/kg [Mouse]. DUST (LC50): Acute: 50 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 570°C (1058°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Non-flammable in presence of open flames and sparks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of moisture.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 112.4 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 765°C (1409°F)

Melting Point: 320.9°C (609.6°F)

Critical Temperature: Not available.

Specific Gravity: 8.64 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Reacts violently with potassium.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 890 mg/kg [Mouse]. Acute toxicity of the dust (LC50): 229.9 mg/m3 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. The substance is toxic to kidneys, lungs, liver.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: An allergen. 0047 Animal: embryotoxic, passes through the placental barrier.

Special Remarks on other Toxic Effects on Humans: May cause allergic reactions, exzema and/or dehydration of the skin.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport:

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cadmium California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cadmium Pennsylvania RTK: Cadmium Massachusetts RTK: Cadmium TSCA 8(b) inventory: Cadmium SARA 313 toxic chemical notification and release reporting: Cadmium CERCLA: Hazardous substances.: Cadmium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R26- Very toxic by inhalation. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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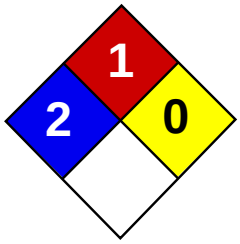

Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Chromium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Chromium

Catalog Codes: SLC4711, SLC3709

CAS#: 7440-47-3

RTECS: GB4200000

TSCA: TSCA 8(b) inventory: Chromium

CI#: Not applicable.

Synonym: Chromium metal; Chrome; Chromium Metal Chips 2" and finer

Chemical Name: Chromium

Chemical Formula: Cr

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Chromium	7440-47-3	100

Toxicological Data on Ingredients: Chromium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to kidneys, lungs, liver, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 580°C (1076°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Moderate fire hazard when it is in the form of a dust (powder) and burns rapidly when heated in flame. Chromium is attacked vigorously by fused potassium chlorate producing vivid incandescence. Pyrophoric chromium unites with nitric oxide with incandescence. Incandescent reaction with nitrogen oxide or sulfur dioxide.

Special Remarks on Explosion Hazards:
Powdered Chromium metal +fused ammonium nitrate may react violently or explosively. Powdered Chromium will explode spontaneously in air.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, alkalis.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 (mg/m3) from ACGIH (TLV) [United States] TWA: 1 (mg/m3) from OSHA (PEL) [United States] TWA: 0.5 (mg/m3) from NIOSH [United States] TWA: 0.5 (mg/m3) [United Kingdom (UK)] TWA: 0.5 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 52 g/mole

Color: Silver-white to Grey.

pH (1% soln/water): Not applicable.

Boiling Point: 2642°C (4787.6°F)

Melting Point: 1900°C (3452°F) +/- !0 deg. C

Critical Temperature: Not available.

Specific Gravity: 7.14 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Soluble in acids (except Nitric), and strong alkalies.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, acids, alkalis.

Corrosivity: Not available.

Special Remarks on Reactivity:
Incompatible with molten Lithium at 180 deg. C, hydrogen peroxide, hydrochloric acid, sulfuric acid, most caustic alkalies and alkali carbonates, potassium chlorate, sulfur dioxide, nitrogen oxide, bromine pentafluoride. It may react violently or ignite with bromine pentafluoride. Chromium is rapidly attacked by fused sodium hydroxide + potassium nitrate. Potentially hazardous incompatibility with strong oxidizers.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause cancer based on animal data. There is no evidence that exposure to trivalent chromium causes cancer in man.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: May cause skin irritation. Eyes: May cause mechanical eye irritation. Inhalation: May cause irritation of the respiratory tract and mucous membranes of the respiratory tract. Ingestion: May cause gastrointestinal tract irritation with nausea, vomiting, diarrhea. Chronic Potential Health Effects: Inhalation: The effects of chronic exposure include irritation , sneezing, reddness of the throat, bronchospasm, asthma, cough, polyps, chronic inflammation, emphysema, chronic bronchitis, pharyngitis, bronchopneumonia, pneumoconoisis. Effects on the nose from chronic chromium exposure include irritation, ulceration, and perforation of the nasal septum. Inflammation and ulceration of the larynx may also occur. Ingestion or Inhalation: Chronic exposure may cause liver and kidney damage.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Chromium Illinois toxic substances disclosure to employee act: Chromium Illinois chemical safety act: Chromium New York release reporting list: Chromium Rhode Island RTK hazardous substances: Chromium Pennsylvania RTK: Chromium Minnesota: Chromium Michigan critical material: Chromium Massachusetts RTK: Chromium Massachusetts spill list: Chromium New Jersey: Chromium New Jersey spill list: Chromium Louisiana spill reporting: Chromium California Director's List of Hazardous Substances: Chromium TSCA 8(b) inventory: Chromium SARA 313 toxic chemical notification and release reporting: Chromium CERCLA: Hazardous substances.: Chromium: 5000 lbs. (2268 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R40- Limited evidence of carcinogenic effect S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:16 PM

Last Updated: 05/21/2013 12:00 PM

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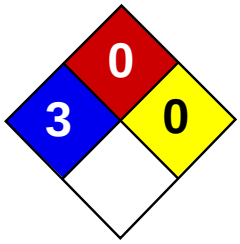

Material Safety Data Sheet
Sodium Cyanide MSDS

Section 1: Chemical Product and Company Identification

Product Name: Sodium Cyanide

Catalog Codes: SLS2314, SLS3736

CAS#: 143-33-9

RTECS: VZ7525000

TSCA: TSCA 8(b) inventory: Sodium Cyanide

CI#: Not available.

Synonym:

Chemical Name: Sodium Cyanide

Chemical Formula: NaCN

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Sodium Cyanide	143-33-9	100

Toxicological Data on Ingredients: Sodium Cyanide: ORAL (LD50): Acute: 6.44 mg/kg [Rat]. DERMAL (LD50): Acute: 10.4 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (permeator). Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to skin, eyes, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of acids, of moisture.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Dangerous on contact with acids, acid fumes, water or stream. It will produce toxic and flammable vapors of CN-H and sodium oxide. Contact with acids and acid salts causes immediate formation of toxic and flammable hydrogen cyanide gas. When heated to decomposition it emits toxic fumes hydgrogen cyanide and oxides of nitrogen

Special Remarks on Explosion Hazards: Fusion mixtures of metal cyanides with metal chlorates, perchlorated or nitrates causes a violent explosion

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Corrosive solid. Poisonous solid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
STEL: 5 (mg/m3) from ACGIH (TLV) [United States] SKIN CEIL: 4.7 from NIOSH CEIL: 5 (mg/m3) from NIOSHConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Granular solid. Flakes solid.)

Odor:
Faint almond-like odor. Odorless when perfectly dry. Emits odor of hydrogen cyanide when damp.

Taste: Not available.

Molecular Weight: 49.01 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 1496°C (2724.8°F)

Melting Point: 563°C (1045.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.595 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Vapor Density of Hydrogen Cyanide gas: 0.941

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility:
Soluble in cold water. Slightly soluble in Ethanol

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, moisture, incompatibles.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity:
Corrosive in presence of aluminum. Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Violent reaction with fluorine gas, magnesium, nitrates, nitric acid. Dangerous on contact with acids, acid fumes, water or stream. It wil produce toxic and flammable vapors of CN-H and sodium oxide. Cyanide may react with CO2 in ordinary air to form toxic hydrogen cyanide gas. Strong oxidizers such as acids, acid salts, chlorates, and nitrates. Contact with acids and acid salts causes immediate formation of toxic and flammable hydrogen cyanide gas.

Special Remarks on Corrosivity: Corrosive to aluminum

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 6.44 mg/kg [Rat]. Acute dermal toxicity (LD50): 10.4 mg/kg [Rabbit].

Chronic Effects on Humans: May cause damage to the following organs: skin, eyes, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May cause adverse reproductive effects (maternal and paternal fertility) based on animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health effects: Skin: May cause itching and irritation. May be fatal if absorbed through injured skin with symtpoms similar to those noted for inhalation and ingestion. Eyes: May cause eye irritation and eye damage. Inhalation: May cause respiratory tract irritation. May be fatal if inhaled. The substance inhibits cellular respiration causing metabolic asphyxiation. May cause headache, weakness, dizziness, labored breathing, nausea, vomiting. May be followed by cardiovascular effects, unconciousness, convulsions, coma, and death Ingestion: May be fatal if swallowed. May cause

gastrointestinal tract irritation with nausea, vomiting. May affect behavior and nervous systems(seizures, convulsions, change in motor activity, headache, dizziness, confusion, weakness stupor, aniexity, agitation, tremors), cardiovascular system, respiration (hyperventilation, pulmonary edema, breathing difficulty, respiratory failure), cardiovascular system (palpitations, rapid heart beat, hypertension, hypotension). Massive doses by produce sudden loss of conciousness and prompt death from respiratory arrest. Smaller but still lethal doses on the breath or vomitus. Chronic Potential Health Effects: Central Nervous system effects (headaches, vertigo, insomnia, memory loss, tremors, fatigue), fatigue, metabolic effects (poor appetite), cardiovascular effects (chest discomfort, palpitations), nerve damage to the eyes, or dermatitis, respiratory tract irritation, eye irritation, or death can occur. may prolong the illness for 1 or more hours. A bitter almond odor may be noted

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Sodium cyanide UNNA: 1689 PG: I

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut carcinogen reporting list.: Sodium Cyanide Illinois chemical safety act: Sodium Cyanide New York release reporting list: Sodium Cyanide Rhode Island RTK hazardous substances: Sodium Cyanide Pennsylvania RTK: Sodium Cyanide Minnesota: Sodium Cyanide Massachusetts RTK: Sodium Cyanide Massachusetts spill list: Sodium Cyanide New Jersey: Sodium Cyanide New Jersey spill list: Sodium Cyanide Louisiana RTK reporting list: Sodium Cyanide Louisiana spill reporting: Sodium Cyanide California Director's List of Hazardous Substances: Sodium Cyanide TSCA 8(b) inventory: Sodium Cyanide TSCA 4(a) final test rules: Sodium Cyanide TSCA 8(a) PAIR: Sodium Cyanide TSCA 8(d) H and S data reporting: Sodium Cyanide TSCA 12(b) one time export: Sodium Cyanide SARA 302/304/311/312 extremely hazardous substances: Sodium Cyanide CERCLA: Hazardous substances.: Sodium Cyanide: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-6: Reactive and very flammable material. CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS E: Corrosive solid.

DSCL (EEC):
R27/28- Very toxic in contact with skin and if swallowed. R41- Risk of serious damage to eyes. S1/2- Keep locked up and out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water S36/37- Wear suitable protective clothing and gloves. S39- Wear eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Synthetic apron. Vapor and dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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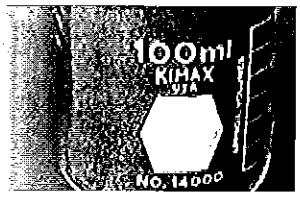

Home
Iron Powder Uses
Sintered Products
Soft Magnetic Products
Brazing powders and pastes
Chemical Industry
Iron Fortification
Filtration
Friction Products
Printing
Iron Dye, Ink, Stain
Surface Coating
Welding Electrodes
Electromagnetic Clutches
Powders for brakes
Iron for plants
Black Iron Oxide
Iron Powder Distributors

Industrial Research Inc.
1059 Main Ave,
Clifton, NJ 07011

Tel: 973-777-8778

Iron Powder MSDS

SECTION 1- PRODUCT AND COMPANY INDENITICATION

Product Name: Iron Powder IRON100

Material Uses: Metal parts, art, science, Paint, welding, chemical compounding

Supplier: Chemical Store Inc. (ChemicalStore.com)

1059 Main Ave, Clifton, NJ 07011

Tel: (973) 405-6248

Emergency Number: 1-973-420-4972

Product type: Powder

SECTION 2- HAZARDS INENTIFICATION

Emergency overview

Color:	Gray
Physical State:	Solid [Powder]
Hazard Statements:	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.
Precautions:	No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
OSHA/HCS status:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910. 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.
Routes of Entry:	Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

Inhalation:	May cause respiratory tract irritation.
Ingestion:	No known significant effects or critical hazards.
Skin:	No known significant effects or critical hazards.
Eyes:	May cause eye irritation.

Potential Chronic Health Effects

Chronic Effects:	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity:	No known significant effects or critical hazards.

Teratogenicity:	No known significant effects or critical hazards.
Developmental Effects:	No known significant effects or critical hazards.
Fertility Effects:	No known significant effects or critical hazards.

Over-exposure Signs/Symptoms

Inhalation:	Adverse symptoms may cause respiratory tract irritation or coughing.
Ingestion:	No specific data.
Skin:	No specific data.
Eyes:	Adverse symptoms may cause irritation and/or redness.
Medical conditions aggravated by over-exposure:	Repeated exposure of the eyes to a low level of dust can produce eye irritation.

SECTION 3- COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CAS Number	Percent
Iron	7439-89-6	>98%

There are no additional ingredients presented within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous or the environment and hence require reporting in this section.

SECTION 4- FIRST AID MEASURES

Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation occurs.
Skin Contact:	Wash with soap and water. Get medical attention if irritation occurs.
Inhalation:	Move person into fresh air. Get medical attention of breathing difficulty persists.
Ingestion:	Do not induce vomiting. Never give anything by mouth to mouth to an unconscious person. Get medical attention if symptoms appear.
Notes to Physician:	No specific treatment. Treat symptomatically.

SECTION 5- FIRE-FIGHTING MEASURES

Flammability of the product: No specific fire of explosion hazard.

Extinguishing Media	
Suitable:	Use a fog nozzle to spray water. SEE SPECIAL REMARKS ON FIRE HAZARDS.
Not Suitable:	Not known.
Hazardous thermal decomposition products:	Decomposition products may include metal oxides or oxides

Special protective equipment for the fire-fighters:	No special protection is required.
Special remarks on fire hazards:	As with any finely granulated product (i.e. flour) a risk of fire is present should the material be dispersed in air and exposure of source of ignition. Fine powders form flammable and explosive mixtures in air.

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SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protection equipment.
Environmental Precautions:	Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
Methods for Cleaning Up:	If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in appropriate container for disposal, Avoid creating dusty conditions and prevent wind dispersal.

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SECTION 7- HANDLING AND STORAGE

Handling:	Avoid breathing dusts. Avoid prolonged contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container in ventilated area.
Storage:	Keep container closed. Keep container in ventilated area.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

United States	
Ingredient:	Iron
Exposure Limits:	ACGIH TLV (United States), TWA: 10 mg/m³

Consult local authorities for acceptable limits.

Recommended Monitoring Procedures:	Personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Engineering Measures:	Use only with adequate ventilation.
Hygiene Measures:	Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	
Eyes:	Safety eyewear complying with an approved standard should be used and selected based on the task being performed

	and the risks involved (avoid exposure to liquid splashes, mists, gases or dusts). Safety glasses are recommended.
Skin:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Recommended: Overalls.
Respiratory:	Use a properly fitted; particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands:	Leather gloves are recommended.
Environmental Exposure Controls:	Emissions from ventilation or work in the process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid [Powder]
Color:	Grey
Melting/Freezing Point:	1535°C (2795°F)
Specific Gravity:	2.4 to 3.2 g/cm^3
Relative Density:	The only known value is 7.8 (Iron)
Solubility:	Insoluble in cold water and hot water.

-

SECTION 10- STABILITY AND REACTIVITY

Chemical Stability:	The product is stable.
Conditions to Avoid:	No specific data.
Materials to Avoid:	Reactive with oxidizing materials and reducing materials.
Hazardous Decomposition Products:	Under normal conditions of storage and use hazardous decomposition products should not be produced.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur.

SECTION 11- TOXICOLOGICAL INFORMATION

Acute Toxicity:	No specific data.
Chronic Toxicity:	No specific data.

SECTION 12- ECOLOGICAL INFORMATION

Environmental Effects:	Not established.
Other Adverse Effects:	

	No known significant effects or critical hazards.

SECTION 13- DISPOSAL CONDITIONS

***Waste Disposal*:** The generation of waste should be avoided or minimized whenever possible, Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residues. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14- TRANSPORT INFORMATION

Regulatory Information DOT/TDG/MXT/IMDG/IATA: Not regulated.

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SECTION 15- REGULATORY INFORMATION

United States

HCS Classification: Not Regulated

U.S. Federal Regulations	
United States inventory (TSCA 8b):	All components are listed or exempted.
SARA 302/304/311/312 Extremely Hazardous Substances:	No products were found.
SARA 302/304 Emergency Planning and Notification:	No products were found.
SARA 302/304/311/312 Hazardous Chemicals:	No products were found.
SARA 311/312 MSDS distribution- Chemical Inventory- Hazard Identification:	Iron: Fire Hazard
Clean Water Act (CWA) 307:	No products were found.
Clean Water Act (CWA) 311:	No products were found.
Clean Air Act (CAA) 112 Accidental Release Prevention:	No products were found.
Clean Air Act (CAA) 112 Regulated Flammable Substances:	No products were found.
Clean Air Act (CAA) 112 Regulated Toxic Substances:	No products were found.

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I substances: Not listed

Clean Air Act Section 602 Class II substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

DEA List II Chemicals (Essential Chemicals): Not listed

State Regulations:

Connecticut Carcinogen Reporting: None of the components are listed.

Connecticut Hazardous Material Survey: None of the components are listed.

Florida Substances: None of the components are listed.

Illinois Chemical Safety Act: None of the components are listed.

Illinois Toxic Substances Disclosures to the Employee Act: None of the components are listed.

Louisiana Reporting: None of the components are listed.

Louisiana Spill: None of the components are listed.

Massachusetts Spill: None of the components are listed.

Massachusetts Substances: None of the components are listed.

Michigan Critical Material: None of the components are listed.

Minnesota Hazardous Substance: None of the components are listed.

New Jersey Hazardous Substance: None of the components are listed.

New Jersey Spill: None of the components are listed.

New Jersey Toxic Catastrophe Prevention: None of the components are listed.

New York Acutely Hazardous Substances: None of the components are listed.

New York Toxic Chemical Release Reporting: None of the components are listed.

Pennsylvania RTK Hazardous Substances: None of the components are listed.

Rhode Island Hazardous Substances: None of the components are listed.

California Prop 65: No products were found.

WHMIS (Canada): Not controlled under WHMIS (Canada)

Canadian Lists:

CEPA Toxic Substances: None of the components are listed.

Canadian ARET: None of the components are listed.

Canadian NPRI: None of the components are listed.

Alberta Designated Substances: None of the components are listed.

Ontario Designated Substances: None of the components are listed.

Quebec Designated Substances: None of the components are listed.

Canada Inventory: All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contain all the information required by the Controlled Products Regulations.

International Regulations:

International Lists

Australia inventory (AICS): All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Japan inventory: Not determined.

Korea inventory: All components are listed or exempted.

New Zealand inventory of Chemicals (NZIoc): All components are listed or exempted.

Philippines inventory (PICCS): All components are listed or exempted.

Chemical Weapons Convention List Schedule I Chemicals:	Not listed
Chemical Weapons Convention List Schedule II Chemicals	Not listed
Chemical Weapons Convention List Schedule III Chemicals	Not listed

SECTION 16- OTHER INFORMATION

United States

Label requirements:	Not expected to produce significant adverse health effects when the recommended instructions for use are followed.

Hazardous Material Information System (USA)

Health	**0**
Flammability	**1**
Physical hazard	**1**
Special	

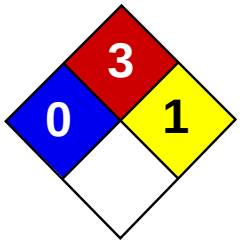
Caution: HMISÒ ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risk. Although, HMISÒ ratings are not require on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMISÒratings are to be used with a fully implemented HMISÒ program. HMISÒ is a registered mark of the National Paint & Coatings Association (NPCA). The customer is responsible for determining the PPE code for this material.

Date of issue: November 1, 2011

Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Please contact 973-405-6248 to discuss your specific requirements based on your applications.



Health	1
Fire	3
Reactivity	1
Personal Protection	E

Material Safety Data Sheet
Zinc, Metal Powder or Dust MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc, Metal Powder or Dust

Catalog Codes: SLZ1231, SLZ1066

CAS#: 7440-66-6

RTECS: ZG8600000

TSCA: TSCA 8(b) inventory: Zinc, Metal Powder or Dust

CI#: Not applicable.

Synonym: Zinc Metal, Dust, 325 Mesh Reagent; Zinc Metal, Powder, 200 Mesh

Chemical Name: Zinc Metal

Chemical Formula: Zn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Zinc, Metal Powder or Dust	7440-66-6	100

Toxicological Data on Ingredients: Zinc, Metal Powder or Dust LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 460°C (860°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Flammable in presence of oxidizing materials, of acids. Slightly flammable to flammable in presence of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of moisture.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Zinc dust ignites in contact with liquid seleninyl bromide. Zinc powder and carbon disulfide react with incandescence. Warm Zinc powder incandesces with fluorine. A mixture of zinc powder dust with ammonium nitrate or mixed nitrate and chloride ignites when moistened. Zinc + NaOH causes ignition. Oxidation of zinc by potassium proceeds with incandescence. Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper. Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined. When hydrazine mononitrate is heated in contact with zinc, a flamming decomposition occurs at temperatures a little above its melting point. Contact with acids and alkali hydroxides (sodium hydroxide, postasium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas. Reactive with water and may produce flammable gases on contact with water. May ignite on contact with water or moist air.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion when mixed with air. Hydroxylamine is reduced when heated with zinc dust. Sometimes the mixture merely ignites, other times it explodes. Zinc powder reacts explosively when heated with Manganese Chloride. Powdered Zinc can decompose performic acid violently, causing an explosion if heated. Interaction on heating powdered zinc and sulfur is considered to be too violent.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage:
MOISTURE SENSITIVE. Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction. Do not store above 23°C (73.4°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid. Metal solid.)

Odor: Odorless.

Taste: Tasteless.

Molecular Weight: 65.39 g/mole

Color: Bluish-white. Grey.

pH (1% soln/water): Not applicable.

Boiling Point: 907°C (1664.6°F)

Melting Point: 419°C (786.2°F)

Critical Temperature: Not available.

Specific Gravity: 7.14 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, excess dust generation, ingnition sources, moisture, incompatible materials

Incompatibility with various substances:
Reactive with oxidizing agents, acids, alkalis. Slightly reactive to reactive with moisture. The product reacts violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
MOISTURE SENSITIVE. Incompatible with acids, halogenated hydrocarbons, NH4NO3, barium oxide, Ba(NO3)2, Cadmium, CS2, chlorates, Cl2, CrO3, F2, Hydroxylamine, Pb(N3)2, MnCl2, HNO3, performic acid, KClO3, KNO3, N2O2, Selenium, NaClO3, Na2O2, Sulfur, Te, water, (NH4)2S, As2O3, CS2, CaCl2, chlorinated rubber, catalytic metals, halocarbons, o-nitroanisole, nitrobenzene, nonmetals, oxidants, paint primer base, pentacarbonoyliron, transition metal halides. seleninyl bromide, HCl, H2SO4, (Mg +Ba(NO3)2 +BaO2), (ethyl acetoacetate +tribromoneopentyl alcohol. Contact with Alkali Hydroxides(Sodium Hydroxide, Potassium Hydroxide, Calcium Hydroxide, etc) results in evolution of hydrogen. Ammonium nitrate + zinc + water causes a violent reaction with evolution of steam and zinc oxide. A violent reaction or flamming is likely in the reaction of chromic anhydride and zinc dust. May react vigorously or explosive with water

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. Dermal exposure to zinc may produce leg pains, fatigue, anorexia, and weight loss. Eyes: May cause eye irritation. Ingestion: May be harmul if swallowed. May cause digestive tract irritation with tightness in throat, nausea, vomiting, diarrhea, malaise, loss of appettite, abdominal pain. fever, and chills. May affect behavior/central nervous system and autonomic nervous system with ataxia, lethargy, staggering gait, mild derrangement in cerebellar function, lightheadness, dizzness, irritability, muscular stiffness, and pain. May also affect blood. Inhalation: Inhalation of zinc dust or fumes may cause respiratory tract and mucous membrane irritation with cough and chest pain. It can also cause "metal fume fever", a flu-like condition characterized appearance of chills, headached fever, maliase, fatigue, sweating, extreme thirst, aches in the legs and chest, and difficulty in breathing. A sweet taste may also be be present in metal fume fever, as well as a dry throat, aches, nausea, and vomiting, and pale grey cyanosis.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification:
CLASS 4.2: Spontaneously combustible substance. CLASS 4.3: Dangerous when wet material.

Identification: : Zinc Dust/Powder UNNA: 1436 PG: I

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. Connecticut hazardous material survey.: Zinc, Metal Powder or Dust Illinois toxic substances disclosure to employee act: Zinc, Metal Powder or Dust Illinois chemical safety act: Zinc, Metal Powder or Dust New York release reporting list: Zinc, Metal Powder or Dust Rhode Island RTK hazardous substances: Zinc, Metal Powder or Dust Pennsylvania RTK: Zinc, Metal Powder or Dust Florida: Zinc, Metal Powder or Dust Michigan critical material: Zinc, Metal Powder or Dust Massachusetts RTK: Zinc, Metal Powder or Dust New Jersey: Zinc, Metal Powder or Dust New Jersey spill list: Zinc, Metal Powder or Dust Louisiana spill reporting: Zinc, Metal Powder or Dust California Director's List of Hazardous Substances: Zinc, Metal Powder or Dust TSCA 8(b) inventory: Zinc, Metal Powder or Dust TSCA 8(a) IUR: Zinc, Metal Powder or Dust SARA 313 toxic chemical notification and release reporting: Zinc, Metal Powder or Dust CERCLA: Hazardous substances.: Zinc, Metal Powder or Dust: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS B-6: Reactive and very flammable material.

DSCL (EEC):
R15- Contact with water liberates extremely flammable gases. R17- Spontaneously flammable in air. S7/8- Keep container tightly closed and dry. S43- In case of fire, use [***]

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 3

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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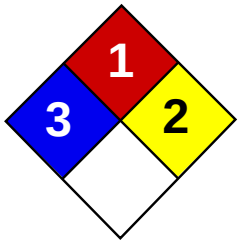

Health	3
Fire	1
Reactivity	2
Personal Protection	E

Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

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CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic Pennsylvania RTK: Arsenic Massachusetts RTK: Arsenic TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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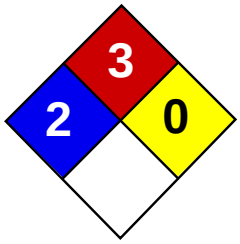

Material Safety Data Sheet
Benzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Benzene

Catalog Codes: SLB1564, SLB3055, SLB2881

CAS#: 71-43-2

RTECS: CY1400000

TSCA: TSCA 8(b) inventory: Benzene

CI#: Not available.

Synonym: Benzol; Benzine

Chemical Name: Benzene

Chemical Formula: C6-H6

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Benzene	71-43-2	100

Toxicological Data on Ingredients: Benzene: ORAL (LD50): Acute: 930 mg/kg [Rat]. 4700 mg/kg [Mouse]. DERMAL (LD50): Acute: >9400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10000 ppm 7 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance is toxic to blood, bone marrow, central nervous system (CNS). The substance may be toxic to liver, Urinary System. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 497.78°C (928°F)

Flash Points: CLOSED CUP: -11.1°C (12°F). (Setaflash)

Flammable Limits: LOWER: 1.2% UPPER: 7.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Extremely flammable liquid and vapor. Vapor may cause flash fire. Reacts on contact with iodine heptafluoride gas. Dioxygenyl tetrafluoroborate is as very powferful oxidant. The addition of a small particle to small samples of benzene, at ambient temperature, causes ignition. Contact with sodium peroxide with benzene causes ignition. Benzene ignites in contact with powdered chromic anhydride. Virgorous or incandescent reaction with hydrogen + Raney nickel (above 210 C) and bromine trifluoride.

Special Remarks on Explosion Hazards:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction

of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 STEL: 2.5 (ppm) from ACGIH (TLV) [United States] TWA: 1.6 STEL: 8 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.1 STEL: 1 from NIOSH TWA: 1 STEL: 5 (ppm) from OSHA (PEL) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppm) [United Kingdom (UK)] TWA: 1.6 (mg/m3) [United Kingdom (UK)] TWA: 1 (ppm) [Canada] TWA: 3.2 (mg/m3) [Canada] TWA: 0.5 (ppm) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Aromatic. Gasoline-like, rather pleasant. (Strong.)

Taste: Not available.

Molecular Weight: 78.11 g/mole

Color: Clear Colorless. Colorless to light yellow.

pH (1% soln/water): Not available.

Boiling Point: 80.1 (176.2°F)

Melting Point: 5.5°C (41.9°F)

Critical Temperature: 288.9°C (552°F)

Specific Gravity: 0.8787 @ 15 C (Water = 1)

Vapor Pressure: 10 kPa (@ 20°C)

Vapor Density: 2.8 (Air = 1)

Volatility: Not available.

Odor Threshold: 4.68 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Miscible in alcohol, chloroform, carbon disulfide oils, carbon tetrachloride, glacial acetic acid, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles.

Incompatibility with various substances: Highly reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 930 mg/kg [Rat]. Acute dermal toxicity (LD50): >9400 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 10000 7 hours [Rat].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. Causes damage to the following organs: blood, bone marrow, central nervous system (CNS). May cause damage to the following organs: liver, Urinary System.

Other Toxic Effects on Humans:
Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (female fertility, Embryotoxic and/or foetotoxic in animal) and birth defects. May affect genetic material (mutagenic). May cause cancer (tumorigenic, leukemia)) Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through intact skin and affect the liver, blood, metabolism,and urinary system. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. Can be absorbed through the lungs. May affect behavior/Central and Peripheral nervous systems (somnolence, muscle weakness, general anesthetic, and other symptoms similar to ingestion), gastrointestinal tract (nausea), blood metabolism, urinary system. Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation including vomiting. May affect behavior/Central and Peripheral nervous systems (convulsions, seizures, tremor, irritability, initial CNS stimulation followed by depression, loss of coordination, dizziness, headache, weakness, pallor, flushing), respiration (breathlessness and chest constriction), cardiovascular system, (shallow/rapid pulse), and blood.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Benzene UNNA: 1114 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene California prop. 65 (no significant risk level): Benzene: 0.007 mg/day (value) California prop. 65: This product contains the following ingredients

for which the State of California has found to cause cancer which would require a warning under the statute: Benzene Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Benzene Illinois toxic substances disclosure to employee act: Benzene Illinois chemical safety act: Benzene New York release reporting list: Benzene Rhode Island RTK hazardous substances: Benzene Pennsylvania RTK: Benzene Minnesota: Benzene Michigan critical material: Benzene Massachusetts RTK: Benzene Massachusetts spill list: Benzene New Jersey: Benzene New Jersey spill list: Benzene Louisiana spill reporting: Benzene California Director's list of Hazardous Substances: Benzene TSCA 8(b) inventory: Benzene SARA 313 toxic chemical notification and release reporting: Benzene CERCLA: Hazardous substances.: Benzene: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer. R62- Possible risk of impaired fertility. S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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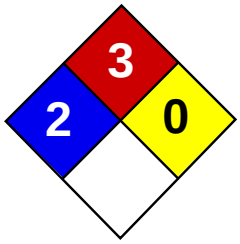

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Toluene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Toluene

Catalog Codes: SLT2857, SLT3277

CAS#: 108-88-3

RTECS: XS5250000

TSCA: TSCA 8(b) inventory: Toluene

CI#: Not available.

Synonym: Toluol, Tolu-Sol; Methylbenzene; Methacide; Phenylmethane; Methylbenzol

Chemical Name: Toluene

Chemical Formula: C6-H5-CH3 or C7-H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Toluene	108-88-3	100

Toxicological Data on Ingredients: Toluene: ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit]. VAPOR (LC50): Acute: 49000 mg/m 4 hours [Rat]. 440 ppm 24 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards:
Toluene forms explosive reaction with 1,3-dichloro-5,5-dimethyl-2,4-imidazolididione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N2O4; AgClO4; BrF3; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 500 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 100 STEL: 150 from NIOSH [United States] TWA: 375 STEL: 560 (mg/m3) from NIOSH [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweet, pungent, Benzene-like.

Taste: Not available.

Molecular Weight: 92.14 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 110.6°C (231.1°F)

Melting Point: -95°C (-139°F)

Critical Temperature: 318.6°C (605.5°F)

Specific Gravity: 0.8636 (Water = 1)

Vapor Pressure: 3.8 kPa (@ 25°C)

Vapor Density: 3.1 (Air = 1)

Volatility: Not available.

Odor Threshold: 1.6 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks, static), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 636 mg/kg [Rat]. Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 440 24 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Rabbit] - Route: Inhalation; Dose: 55000 ppm/40min

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in human. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. It can be absorbed to some extent through the skin. Eyes: Cauess mild to moderate eye irritation with a burning sensation. Splash contact with eyes also causes conjunctivitis, blepharospasm, corneal edema, corneal abraisons. This usually resolves in 2 days. Inhalation: Inhalation of vapor may cause respiratory tract irritation causing coughing and wheezing, and nasal discharge. Inhalation of high concentrations may affect behavior and cause central nervous system effects characterized by nausea, headache, dizziness, tremors, restlessness, lightheadedness, exhilaration, memory loss, insomnia, impaired reaction time, drowsiness, ataxia, hallucinations, somnolence, muscle contraction or spasticity, unconsciousness and coma. Inhalation of high concentration of vapor may also affect the cardiovascular system (rapid heart beat, heart palpitations, increased or decreased blood pressure, dysrhythmia,), respiration (acute pulmonary edema, respiratory depression, apnea, asphyxia), cause vision disturbances and dilated pupils, and cause loss of appetite. Ingestion: Aspiration hazard. Aspiration of Toluene into the lungs may cause chemical pneumonitis. May cause irritation of the digestive tract with nausea, vomiting, pain. May have effects similar to that of acute inhalation. Chronic Potential Health Effects: Inhalation and Ingestion: Prolonged or repeated exposure via inhalation may cause central nervous system and cardiovascular symptoms similar to that of acute inhalation and ingestion as well liver damage/failure, kidney damage/failure (with hematuria, proteinuria, oliguria, renal tubular acidosis), brain damage, weight loss, blood (pigmented or nucleated red blood cells, changes in white blood cell count), bone marrow changes, electrolyte imbalances (Hypokalemia, Hypophostatemia), severe, muscle weakness and Rhabdomyolysis. Skin: Repeated or prolonged skin contact may cause defatting dermatitis.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish (Goldfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Toluene UNNA: 1294 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene Connecticut hazardous material survey.: Toluene Illinois

toxic substances disclosure to employee act: Toluene Illinois chemical safety act: Toluene New York release reporting list: Toluene Rhode Island RTK hazardous substances: Toluene Pennsylvania RTK: Toluene Florida: Toluene Minnesota: Toluene Michigan critical material: Toluene Massachusetts RTK: Toluene Massachusetts spill list: Toluene New Jersey: Toluene New Jersey spill list: Toluene Louisiana spill reporting: Toluene California Director's List of Hazardous Substances.: Toluene TSCA 8(b) inventory: Toluene TSCA 8(d) H and S data reporting: Toluene: Effective date: 10/04/82; Sunset Date: 10/0/92 SARA 313 toxic chemical notification and release reporting: Toluene CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 05/21/2013 12:00 PM

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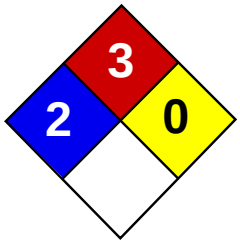

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Ethylbenzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Ethylbenzene

Catalog Codes: SLE2044

CAS#: 100-41-4

RTECS: DA0700000

TSCA: TSCA 8(b) inventory: Ethylbenzene

CI#: Not available.

Synonym: Ethyl Benzene; Ethylbenzol; Phenylethane

Chemical Name: Ethylbenzene

Chemical Formula: C8H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylbenzene	100-41-4	100

Toxicological Data on Ingredients: Ethylbenzene: ORAL (LD50): Acute: 3500 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (irritant, sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 432°C (809.6°F)

Flash Points:
CLOSED CUP: 15°C (59°F). (Tagliabue.) OPEN CUP: 26.667°C (80°F) (Cleveland) (CHRIS, 2001) CLOSED CUP: 12.8 C (55 F) (Bingham et al, 2001; NIOSH, 2001) CLOSED CUP: 21 C (70 F) (NFPA)

Flammable Limits: LOWER: 0.8% - 1.6%UPPER: 6.7% - 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Vapors may form explosive mixtures in air.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 125 (ppm) from OSHA (PEL) [United States] TWA: 435 STEL: 545 from OSHA (PEL) [United States] TWA: 435 STEL: 545 (mg/m3) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from ACGIH (TLV) [United States] TWA: 100 STEL: 125 (ppm) [United Kingdom (UK)] TWA: 100 STEL: 125 (ppm) [Belgium] TWA: 100 STEL: 125 (ppm) [Finland] TWA: 50 (ppm) [Norway] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish. Gasoline-like. Aromatic.

Taste: Not available.

Molecular Weight: 106.16 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 136°C (276.8°F)

Melting Point: -94.9 (-138.8°F)

Critical Temperature: 617.15°C (1142.9°F)

Specific Gravity: 0.867 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.66 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: 140 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Easily soluble in diethyl ether. Very slightly soluble in cold water or practically insoluble in water. Soluble in all proportions in Ethyl alcohol. Soluble in Carbon tetrachloride, Benzene. Insoluble in Ammonia. Slightly soluble in Chloroform. Solubility in Water: 169 mg/l @ 25 deg. C.; 0.014 g/100 ml @ 15 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ingnition sources (flames, sparks, static), incompatible materials, light

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals:
Lethal Dose/Conc 50% Kill: LD50 [Rabbit] - Route: Skin; Dose: 17800 ul/kg Lowest Published Lethal Dose/Conc: LDL[Rat] - Route: Inhalation (vapor); Dose: 4000 ppm/4 H

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. May cause cancer based on animals data. IARC evidence for carcinogenicity in animals is sufficient. IARC evidence of carcinogenicity in humans inadequate. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Can cause mild skin irritation. It can be absorbed through intact skin. Eyes: Contact with vapor or liquid can cause severe eye irritation depending on concentration. It may also cause conjunctivitis. At a vapor exposure level of 85 - 200 ppm , it is mildly and transiently irritating to the eyes; 1000 ppm causes further irritation and tearing; 2000 ppm results in immediate and severe irritation and tearing; 5,000 ppm is intolerable (ACGIH, 1991; Clayton and Clayton, 1994). Standard draize test for eye irritation using 500 mg resulted in severe irritation (RTECS) Inhalation: Exposure to high concentrations can cause nasal, mucous membrane and respiratory tract irritation and can also result in chest constriction and, trouble breathing, respiratory failure, and even death. It can also affect behavior/Central Nervous System. The effective dose for CNS depression in experimental animals was 10,000 ppm (ACGIH, 1991). Symptoms of CNS depression include

headache, nausea, weakness, dizziness, vertigo, irritability, fatigue, lightheadedness, sleepiness, tremor, loss of coordination, judgement and conciousness, coma, and death. It can also cause pulmonary edema. Inhalation of 85 ppm can produce fatigue, insomnia, headache, and mild irritation of the respiratory tract (Haley & Berndt, 1987). Ingestion: Do not drink, pipet or siphon by mouth. May cause gastroinestinal/digestive tract irritation with Abdominal pain, nausea, vomiting. Ethylbenzene is a pulmonary aspiration hazard. Pulmonary aspiration of even small amounts of the liquid may cause fatal pneumonitis. It may also affect behavior/central nervous system with

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 14 mg/l 96 hours [Fish (Trout)] (static). 12.1 mg/l 96 hours [Fish (Fathead Minnow)] (flow-through)]. 150 mg/l 96 hours [Fish (Blue Gill/Sunfish)] (static). 275 mg/l 96 hours [Fish (Sheepshead Minnow)]. 42.3 mg/l 96 hours [Fish (Fathead Minnow)](soft water). 87.6mg/l 96 hours [Shrimp].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Ethylbenzene UNNA: 1175 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Ethylbenzene Illinois toxic substances disclosure to employee act: Ethylbenzene Illinois chemical safety act: Ethylbenzene New York release reporting list: Ethylbenzene Rhode Island RTK hazardous substances: Ethylbenzene Pennsylvania RTK: Ethylbenzene Minnesota: Ethylbenzene Massachusetts RTK: Ethylbenzene Massachusetts spill list: Ethylbenzene New Jersey: Ethylbenzene New Jersey spill list: Ethylbenzene Louisiana spill reporting: Ethylbenzene California Director's List of Hazardous Substances: Ethylbenzene TSCA 8(b) inventory: Ethylbenzene TSCA 4(a) proposed test rules: Ethylbenzene TSCA 8(d) H and S data reporting: Ethylbenzene: Effective Date: 6/19/87; Sunset Date: 6/19/97 SARA 313 toxic chemical notification and release reporting: Ethylbenzene

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASSE D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S24/25- Avoid contact with skin and eyes. S29- Do not empty into drains.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Manufacturer's Material Safety Data Sheet. -Fire Protection Guide to Hazardous Materials, 13th ed., National Fire Protection Association (NFPA) -Registry of Toxic Effects of Chemical Substances (RTECS) -Chemical Hazard Response Information System (CHRIS) -Hazardous Substance Data Bank (HSDB) -New Jersey Hazardous Substance Fact Sheet -Ariel Global View -Reprotext System

Other Special Considerations: Not available.

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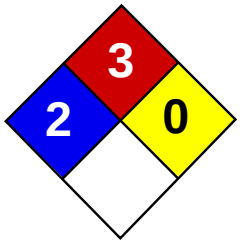

Material Safety Data Sheet
Xylenes MSDS

Section 1: Chemical Product and Company Identification

Product Name: Xylenes

Catalog Codes: SLX1075, SLX1129, SLX1042, SLX1096

CAS#: 1330-20-7

RTECS: ZE2100000

TSCA: TSCA 8(b) inventory: Xylenes

CI#: Not available.

Synonym: Xylenes; Dimethylbenzene; xylol; methyltoluene

Chemical Name: Xylenes (o-, m-, p- isomers)

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

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International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Xylenes	1330-20-7	100

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse]. DERMAL (LD50): Acute: >1700 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 464°C (867.2°F)

Flash Points: CLOSED CUP: 24°C (75.2°F). (Tagliabue.) OPEN CUP: 37.8°C (100°F).

Flammable Limits: LOWER: 1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Vapors may travel to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Vapors may form explosive mixtures with air. Containers may explode when heated. May polymerize explosively when heated. An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 138.5°C (281.3°F)

Melting Point: -47.4°C (-53.3°F)

Critical Temperature: Not available.

Specific Gravity: 0.864 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 1 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Miscible with absolute alcohol, ether, and many other organic liquids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5000 4 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: May cause gastrointestinal irritation including abdominal pain, vomiting, and nausea. May also affect liver and urinary system/ kidneys. May cause effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may alsocause mucosal bleeding. Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylenes UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R10- Flammable. R21- Harmful in contact with skin. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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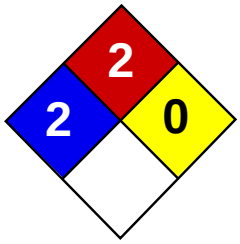


Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid. Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm) TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995] TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995] Australia: STEL: 15 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol. Very slightly dispersed in cold water. See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol. Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 490 mg/kg [Rat]. Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH. DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE]. The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene Pennsylvania RTK: Naphthalene Florida: Naphthalene Minnesota: Naphthalene Massachusetts RTK: Naphthalene TSCA 8(b) inventory: Naphthalene TSCA 8(a) PAIR: Naphthalene TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87 SARA 313 toxic chemical notification and release reporting: Naphthalene: 1% CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid. CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes. R40- Possible risks of irreversible effects. R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed. R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation. R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 01:30 PM

Last Updated: 05/21/2013 12:00 PM

Benz[a]anthracene-d12 (cas 1718-53-2) MSDS

MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT IDENTITY:
BENZO(A)ANTHRACENE-D12

HP PART NUMBER: 8500-5988
DATE PREPARED: 4/28/93
REVIEW DATE: 4/28/93
NUMBER OF
SECTION 1 MANUFACTURER DATA

MANUFACTURERS NAME: HEWLETT PACKARD COMPANY
2850 CENTERVILLE ROA WILMINGTON, DELAWARE 19808

EMERGENCY TELEPHONE NUMBER: 1-302-633-8000
TELEPHONE NUMBER FOR INFORMATION: 1-302-633-8000

SECTION 2 CHEMICAL IDENTITY INFORMATION

A 0.2 MG/ML SOLUTION OF THE FOLLOWING IN METHYLENE CHLORIDE CAS # 75-09-2

CHEMICAL NAME CAS #

BENZO(A)ANTHRACENE-D12 1718-53-2

HAZARDOUS INGREDIENTS:

CHEMICAL NAME CAS # OSHA ACGIH NIOSH % WEIGHT
PEL/TWA TLV/TWA TLV/TWA VOLUME

METHYLENE CHLORIDE 75-09-2 500 PPM 50 PPM REDUCE TO 99.98
(174 MG/M3) LOWEST
FEASIBLE
CONC.

CEILING: 1000 PPM 5 MIN. MAX PEAK IN ANY 2 HRS.: 2000 PPM

CHEMICAL FAMILIES: CHLORINATED HYDROCARBON

CHEMICAL SYNONYMS: DICHLOROMETHANE, METHANE DICHLORIDE, MECL2

DISCLAIMER:
THIS MATERIAL SAFETY DATA SHEET IS OFFERED WITHOUT CHARGE TO THE CLIENTS OF HEWLETT-PACKARD. DATA IS THE MOST CURRENT AVAILABLE TO HEWLETT-PACKARD AT THE TIME OF PREPARATION AND IS ISSUED AS A MATTER OF INFORMATION ONLY, NO WARRANTY AS TO ITS ACCURACY OR COMPLETENESS IS EXPRESSED OR IMPLIED.

SECTION 3 PHYSICAL/CHEMICAL DATA

SPECIFIC GRAVITY (H2O = 1) 1.33
MELTING POINT (DEGREE C): -95C

EVAPORATION RATE (N-BUTYL ACETATE = 1) 1.47
BOILING POINT (DEGREE C): 40
VAPOR PRESSURE (MM HG AT 20 C): 350
VAPOR DENSITY (AIR = 1) 2.9
SOLUBILITY IN WATER: INSOLUBLE ( ) / SOLUBLE (2%)
APPEARANCE AND ODOR: CLEAR COLORLESS VOLATILE LIQUID - CHLOROFORM-LIKE ODOR.

SECTION 4 FIRE/EXPLOSION DATA

FLASH POINT (METHOD USED): NONE BY CONVENTIONAL METHODS.

FLAMMABLE LIMITS: LEL (14%) / UEL (22%)

EXTINGUISHING MEDIA:
CARBON DIOXIDE, DRY CHEMICAL POWDER, FOAM, HALON

SPECIAL FIRE FIGHTING PROCEDURES:
WEAR FULL PROTECTIVE CLOTHING AND SELF CONTAINED POSITIVE PRESSURE BREATHING
APPARATUS CERTIFIED BY NIOSH, WHEN FIGHTING CHEMICALLY RELATED FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
CONTAINERS MAY EXPLODE IN HEAT OF FIRE. MOVE CONTAINERS FROM FIRE IF SAFE TO
DO SO, OTHERWISE COOL WITH WATER UNTIL WELL AFTER FIRE IS OUT. MAY PRODUCE
PHOSGENE GAS.

SECTION 5 REACTIVITY DATA

STABILITY: STABLE (X) / UNSTABLE ( )

CONDITIONS TO AVOID:
HEAT OPEN FLAME, OPEN CONTAINERS, AND POOR VENTILATION.

INCOMPATIBILITY (MATERIALS TO AVOID):
METHYLENE CHLORIDE IS INCOMPATIBLE WITH STRONG OXIDIZERS; CAUSTICS; CHEMI-
CALLY ACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM POWDERS, POTASSIUM AN SODIUM; AND CONCENTRATED NITRIC ACID.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
INCOMPLETE COMBUSTION MAY GENERATE CARBON MONOXIDE. FIRE CONDITIONS MAY
PRODUCE HYDROGEN CHLORIDE AND PHOSGENE GAS.

HAZARDOUS POLYMERIZATION: MAY OCCUR ( ) / WILL NOT OCCUR (X)

SECTION 6 HEALTH HAZARD/EMERGENCY FIRST AI ----------

ROUTE(S) OF ENTRY: INHALATION?-YES SKIN?-YES INGESTION?-YES

HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. CAN CAUSE EYE
AND SKIN IRRITATION. SYMPTOMS OF OVEREXPOSURE MAY INCLUDE FATIGUE,
SLEEPINESS, LIGHTHEADEDNESS, TINGLING AND NUMBNESS IN LIMBS AND NAUSEA.

INHALATION:
HARMFUL IF INHALED. IF INHALED, REMOVE TO FRESH AIR. IF BREATHING IS
DIFFICULT GIVE OXYGEN. CONTACT PHYSICIAN.

EYE CONTACT:
VAPOR OR MIST IS IRRITATING TO THE EYES. CONTAMINATION OF THE EYES SHOULD BE
TREATED BY IMMEDIATE AND PROLONGED IRRIGATION WITH COPIOUS AMOUNTS OF WATE BY SEPARATING THE EYELIDS WITH FINGERS. CONTACT PHYSICIAN.

SKIN CONTACT:
CAUSES SKIN IRRITATION. IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP
AND COPIOUS AMOUNTS OF WATER. REMOVE AND WASH CONTAMINATED CLOTHING PROMPTLY.

INGESTION:
HARMFUL IF SWALLOWED. IF INGESTED, WASH OUT MOUTH WITH WATER. CALL "POISON CONTROL CENTER" FOR ASSISTANCE. CONTACT PHYSICIAN IMMEDIATELY.

HEALTH HAZARD ACUTE/CHRONIC:
THIS CHEMICAL IS NARCOTIC IN HIGH CONCENTRATIONS AND IS AN EYE AND SKIN IRRITANT. CHRONIC EXPOSURE MAY DAMAGE THE LUNGS AND KIDNEYS. THE ORGANS EFFECTED BY THIS CHEMICAL INCLUDE THE EYES, SKIN, CARDIOVASCULAR SYSTEM AN THE CENTRAL NERVOUS SYSTEM.

CARCINOGENICITY: NTP?-YES IARC MONOGRAPHS?-YES OSHA REGULATED?-NO
OTHER?-YES/NIOSH

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
PRECLUDE FROM EXPOSURE THOSE INDIVIDUALS SUSCEPTIBLE TO DERMATITIS.

SECTION 7 SPILL/DISPOSAL DATA

SPILL CONTROL:
SHUT OFF ALL SOURCES OF IGNITION. ABSORB WITH NONCOMBUSTIBLE ABSORBANT. DUE TO SMALL QUANTITY INVOLVED, LEAKING AMPULE MAY BE DISPOSED OF IN A PLASTIC BAG WITH REST OF HAZARDOUS CHEMICAL WASTE. VERMICULITE WHICH HAS ABSORBED SPILLS SHOULD BE DISPOSED OF SIMILARLY.

WASTE DISPOSAL:
BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. COMPLY FULLY WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 8 SAFETY MEASURES/EQUIPMENT

VENTILATION:
ADEQUATE VENTILATION IS REQUIRED TO PROTECT PERSONNEL FROM EXPOSURE TO CHEMICAL VAPORS EXCEEDING PEL AND TO MINIMIZE FIRE HAZARDS.

RESPIRATORY:
USE NIOSH APPROVED RESPIRATOR EQUIPMENT OR ORGANIC MASK FILTER.

EYES:
SAFETY GLASSES ARE CONSIDERED MINIMUM PROTECTION. CHEMICAL SAFETY GOGGLES OR FACE SHIELD MAY BE NECESSARY DEPENDING ON QUANTITY OF MATERIAL AND CONDITIONS OF USE. EMERGENCY EYE WASH FOUNTAINS SHOULD BE AVAILABLE IN THE VICINITY OF ANY POSSIBLE EXPOSURE.

SKIN:
CHEMICAL-RESISTANT PROTECTIVE GLOVES AND CLOTHING ARE RECOMMENDED. THE CHOICE OF PROTECTIVE GLOVES OR CLOTHING MUST BE BASED ON CHEMICAL RESISTANCE AND OTHER USER REQUIREMENTS. GENERALLY BUNA-N OFFERS ACCEPTABLE CHEMICAL RESISTANCE. INDIVIDUALS WHO ARE ACUTELY AND SPECIFICALLY SENSITIVE TO THIS CHEMICAL MAY REQUIRE ADDITIONAL PROTECTIVE CLOTHING.

STORAGE:
STORE IN A COOL DRY PLACE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AN OXIDIZING AGENTS. PROPER STORAGE MUST BE DETERMINED BASED ON OTHER MATERIALS
STORED AND THEIR HAZARDS AND POTENTIAL CHEMICAL INCOMPATIBILITY. STORE IN AN ACCEPTABLE PROTECTED AND SECURE FLAMMABLE LIQUID STORAGE CABINET OR ROOM.

SECTION 9 SPECIAL PRECAUTIONS

UNLESS OTHERWISE NOTED, THE ABOVE INFORMATION PERTAINS ONLY FOR THE SOLVENT AND SIMILAR TYPES OF COMPONENTS IN THE SAMPLE.

WHEN NO TOXICITY DATA IS PROVIDED, IT IS PRUDENT TO HANDLE THIS CHEMICAL AS HAZARDOUS. FURTHERMORE, SINCE INDIVIDUAL CHEMICAL HYPERSENSITIVITY CANNOT BE PREDICTED, EVERY CHEMICAL SHOULD BE HANDLED WITH DUE RESPECT.

KEY TO ABBREVIATIONS:
ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS - CHEMICAL ABSTRACT SERVICE
IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCE LEL - LOWER EXPLOSION LIMIT
NA - NOT APPLICABLE
ND - NO DATA
NIOSH - NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP - NATIONAL TOXICOLOGY PROGRAM
OSHA - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL - PERMISSIBLE EXPOSURE LIMIT
TLV - THRESHOLD LIMIT VALUE
TWA - TIME WEIGHTED AVERAGE
UEL - UPPER EXPLOSION LIMIT

Benzo[a]pyrene (cas 50-32-8) MSDS

MSDS : Benzo[a]pyrene, 96.5%
CAS : 50-32-8
SYNONYMS : 3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[Benzo[a]pyrene, 96.5% 50-32-8]

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
50-32-8	Benzo[a]pyrene	96.5%	200-028-5

Hazard Symbols: T N
Risk Phrases: 45 46 60 61 50/53

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW
May cause cancer. May cause heritable genetic damage. May impair fertility. May cause harm to the unborn child. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Potential Health Effects
Eye:
May cause eye irritation.
Skin:
May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion:
May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:
May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:
May cause cancer in humans. Chronic exposure may cause reproductive disorders and teratogenic effects. Laboratory experiments have resulted in mutagenic effects.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:
Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:
Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:
Get medical aid. Wash mouth out with water.
Inhalation:
Remove from exposure and move to fresh air immediately.
Notes to Physician:
Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full

protective gear.
Extinguishing Media:
Use water spray, dry chemical, carbon dioxide, or chemical foam.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:
Vacuum or sweep up material and place into a suitable disposal container.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Use only in a chemical fume hood.
Storage:
Store in a cool, dry place. Store in a tightly closed container.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:
Use adequate ventilation to keep airborne concentrations low.
Personal Protective Equipment

Eyes:
Not available.
Skin:
Wear appropriate protective gloves to prevent skin exposure.
Clothing:
Wear appropriate protective clothing to prevent skin exposure.
Respirators:
Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Powder
Color: yellow to yellow-green - yellow-brown
Odor: Not available.
pH: Not available.
Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 495 deg C @760mmHg
Freezing/Melting Point: 175 - 179 deg C
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: 3 mg/l
Specific Gravity/Density:
Molecular Formula: C20H12
Molecular Weight: 252.31

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Stable under normal temperatures and pressures.
Conditions to Avoid:
Incompatible materials.
Incompatibilities with Other Materials:
Strong oxidizing agents.
Hazardous Decomposition Products:
Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:
CAS# 50-32-8: DJ3675000
LD50/LC50:
Not available.
Carcinogenicity:
Benzo[a]pyrene -
ACGIH: A1 - Confirmed Human Carcinogen (as benzene soluble aeroso
California: carcinogen, initial date 7/1/87
NTP: Suspect carcinogen
IARC: Group 1 carcinogen (listed as Coal tar pitches).
Other:
See actual entry in RTECS for complete information.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecotoxicity:
fish (Neanthes arenaceodentata) LD50 < 1 ppm (96H)
Daphnia (Daphnia
pulex) EC50 = 0.05 mg/L (96H)
BCF (oysters) = 3000
BCF (rainbow
trout) = 920
BCF (bluegill sunfish) = 2657
BCF (Daphnia magna) =
1000
BCF (Daphnia pulex) = 13000
Log Pow = 6.35

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of in a manner consistent with federal, state, and local regulations.

**** SECTION 14 - TRANSPORT INFORMATION ****

IATA
Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
*
Hazard Class: 9
UN Number: 3077
Packing Group: III
IMO
Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazard Class: 9
UN Number: 3077
Packing Group: III
RID/AD Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
Hazard Class: 9
UN Number: 3077
Packing group: III
USA RQ:CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ

**** SECTION 15 - REGULATORY INFORMATION ****

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: T N
Risk Phrases:
R 45 May cause cancer.
R 46 May cause heritable genetic damage.
R 61 May cause harm to the unborn child.
R 50/53 Very toxic to aquatic organisms, may cause
long-term adverse effects in the aquatic environment.
R 60 May impair fertility.
Safety Phrases:
S 53 Avoid exposure - obtain special instructions
before use.
S 45 In case of accident or if you feel unwell, seek
medical advice immediately (show the label where
possible).
S 60 This material and its container must be
disposed of as hazardous waste.
S 61 Avoid release to the environment. Refer to

special instructions/safety data sheets.
WGK (Water Danger/Protection)
CAS# 50-32-8: No information available.
United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada
CAS# 50-32-8 is listed on Canada's DSL List.
CAS# 50-32-8 is listed on Canada's Ingredient Disclosure List.
Exposure Limits
CAS# 50-32-8: OEL-AUSTRALIA;Carcinogen
OEL-BELGIUM;Carcinogen
OEL-FINLAND:TWA 0.01 mg/m3;Skin;Carcinogen
OEL-FRANCE;Carcinogen
OEL-GERMANY;Carcinogen
OEL-RUSSIA:STEL 0.00015 mg/m3;Carcinogen
OEL-SWEDEN:TWA 0.005 mg/m3;STEL 0.03 mg/m3;Skin
OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV
OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV
US FEDERAL
TSCA
CAS# 50-32-8 is listed on the TSCA inventory.

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 9/20/2004 Revision #0 Date: Original.

SAFETY DATA SHEET

Version 5.5
Revision Date 02/28/2015
Print Date 08/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name	:	Benzo[*b*]fluoranthene
Product Number	:	275336
Brand	:	Aldrich
Index-No.	:	601-034-00-4
CAS-No.	:	205-99-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052

1.4 Emergency telephone number

Emergency Phone #	:	(314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Carcinogenicity (Category 1B), H350
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word: Danger

Hazard statement(s)

H350	May cause cancer.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P281	Use personal protective equipment as required.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P391	Collect spillage.
P405	Store locked up.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : 3,4-Benzofluoranthene
Benz[e]acephenanthrylene
2,3-Benzfluoranthene
3,4-Benz[e]acephenanthrylene
Benzo[b]fluoranthene
Benzo[e]fluoranthene
NSC 89265

Formula : $C_{20}H_{12}$
Molecular weight : 252.31 g/mol
CAS-No. : 205-99-2
EC-No. : 205-911-9
Index-No. : 601-034-00-4

Hazardous components

Component	Classification	Concentration
Benz[e]acephenanthrylene		
	Carc. 1B; Aquatic Acute 1; Aquatic Chronic 1; H350, H410	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid formation of dust and aerosols.Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point/range: 163 - 165 °C (325 - 329 °F) - lit.
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available

s) Explosive properties No data available

t) Oxidizing properties No data available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
TDLo Oral - Mouse - 7.57 mg/kg
Remarks: Liver:Changes in liver weight. Endocrine:Changes in thymus weight.

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Benz[e]acephenanthrylene)

NTP: Reasonably anticipated to be a human carcinogen (Benz[e]acephenanthrylene)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - > 1.024 mg/l - 24 h

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benz[e]acephenanthrylene)
Marine pollutant:yes

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Benz[e]acephenanthrylene)

Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Benz[e]acephenanthrylene	205-99-2	2007-03-01

SARA 311/312 Hazards
Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Benz[e]acephenanthrylene	205-99-2	2007-03-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Benz[e]acephenanthrylene	205-99-2	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Benz[e]acephenanthrylene	205-99-2	2007-03-01

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Benz[e]acephenanthrylene	205-99-2	2007-09-28

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Carc.	Carcinogenicity
H350	May cause cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

HMIS Rating

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	2
Fire Hazard:	0
Reactivity Hazard:	0

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.5 Revision Date: 02/28/2015 Print Date: 08/06/2015

Benzo[k]fluoranthene (cas 207-08-9) MSDS

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : Benzo[*k*]fluoranthene

Product Number : 03323
Brand : Fluka
Index-No. : 601-036-00-5
CAS-No. : 207-08-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Carcinogenicity (Category 1B)
Acute aquatic toxicity (Category 1)
Chronic aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC
May cause cancer. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]
Pictogram

Signal word Danger

Hazard statement(s)
H350 May cause cancer.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements none

Restricted to professional users.

According to European Directive 67/548/EEC as amended.
Hazard symbol(s)

R-phrase(s)
R45 May cause cancer.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)
S53 Avoid exposure - obtain special instructions before use.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Restricted to professional users.

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula	:	C20H12
Molecular Weight	:	252,31 g/mol

Component		Concentration
Benzo[k]fluoranthene		
CAS-No.	207-08-9	-
EC-No.	205-916-6	
Index-No.	601-036-00-5	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed
no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.Avoid exposure - obtain special instructions before use.
Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses
no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection
impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: crystalline Colour: yellow
b)	Odour	no data available
c)	Odour Threshold	no data available
d)	pH	no data available
e)	Melting point/freezing point	215,0 - 217,0 °C
f)	Initial boiling point and boiling range	no data available
g)	Flash point	no data available
h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lower flammability or explosive limits	no data available
k)	Vapour pressure	no data available
l)	Vapour density	no data available
m)	Relative density	no data available
n)	Water solubility	no data available
o)	Partition coefficient: n-octanol/water	no data available
p)	Autoignition temperature	no data available
q)	Decomposition temperature	no data available
r)	Viscosity	no data available
s)	Explosive properties	no data available
t)	Oxidizing properties	no data available

9.2 Other safety information
no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
no data available

10.2 Chemical stability
no data available

10.3 Possibility of hazardous reactions
no data available

10.4 Conditions to avoid
no data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity
no data available

Carcinogenicity

Carcinogenicity - rat - Implant
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors.
Tumorigenic:Tumors at site or application.

Carcinogenicity - mouse - Skin
Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Skin and Appendages: Other: Tumors.
Tumorigenic:Tumors at site or application.

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen

IARC:	2B - Group 2B: Possibly carcinogenic to humans (Benzo[k]fluoranthene)
	2B - Group 2B: Possibly carcinogenic to humans (Benzo[k]fluoranthene)

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure
no data available

Specific target organ toxicity - repeated exposure
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. Causes skin irritation.
Eyes	Causes serious eye irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information
RTECS: DF6350000

12. ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability
no data available

12.3 Bioaccumulative potential
no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
Very toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: 2811	IMDG: 2811	IATA: 2811

14.2 UN proper shipping name

ADR/RID:	TOXIC SOLID, ORGANIC, N.O.S. (Benzo[k]fluoranthene)
IMDG:	TOXIC SOLID, ORGANIC, N.O.S. (Benzo[k]fluoranthene)
IATA:	Toxic solid, organic, n.o.s. (Benzo[k]fluoranthene)

14.3 Transport hazard class(es)

ADR/RID: 6.1	IMDG: 6.1	IATA: 6.1

14.4 Packaging group

ADR/RID: III	IMDG: III	IATA: III

14.5 Environmental hazards

ADR/RID: no	IMDG Marine pollutant: no	IATA: no

14.6 Special precautions for user
no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical Safety Assessment
no data available

16. OTHER INFORMATION

Further information
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information this document is based on the resent state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. guidechem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET

Version 5.7
Revision Date 02/28/2015
Print Date 08/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Benzo[*ghi*]perylene

Product Number : B9009
Brand : Aldrich

CAS-No. : 191-24-2

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : 1,12-Benzoperylene

Formula	:	$C_{22}H_{12}$
Molecular weight	:	276.33 g/mol
CAS-No.	:	191-24-2
EC-No.	:	205-883-8

Hazardous components

Component	Classification	Concentration
Benzo[ghi]perylene		
	Aquatic Acute 1; Aquatic Chronic 1; H410	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point/range: 277 - 279 °C (531 - 534 °F) - lit.
f)	Initial boiling point and boiling range	> 500 °C (> 932 °F) - lit.
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	insoluble
o)	Partition coefficient: n-octanol/water	log Pow: 6.63
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC:	3 - Group 3: Not classifiable as to its carcinogenicity to humans (Benzo[ghi]perylene)
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzo[ghi]perylene)
Marine pollutant:yes

IATA
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Benzo[ghi]perylene)

Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-07-01

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Benzo[ghi]perylene	191-24-2	2007-09-28

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

HMIS Rating

Health hazard:	0
Chronic Health Hazard:	*
Flammability:	0
Physical Hazard	0

NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.7 Revision Date: 02/28/2015 Print Date: 08/06/2015

Fisher Scientific

Part of Thermo Fisher Scientific

SAFETY DATA SHEET

Revision Date 10-Feb-2015 **Revision Number** 1

1. Identification

Product Name **Chrysene, 98%**

Cat No. : **AC224140010; AC224140050; AC224145000**

Synonyms Benzo(a)phenanthrene; 1,2,5,6-Dibenzonaphthalene.; 1,2-Benzophenanthrene

Recommended Use Laboratory chemicals.

Uses advised against No Information available

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Entity / Business Name
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1B

Label Elements

Signal Word
Danger

Hazard Statements
Suspected of causing genetic defects
May cause cancer

Precautionary Statements
Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required

Response

IF exposed or concerned: Get medical attention/advice

Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Very toxic to aquatic life with long lasting effects

3. Composition / information on ingredients

Component	CAS-No	Weight %
Chrysene	218-01-9	98

4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes.

Inhalation Move to fresh air.

Ingestion Do not induce vomiting.

Most important symptoms/effects No information available.
Notes to Physician Treat symptomatically

5. Fire-fighting measures

Unsuitable Extinguishing Media No information available

Flash Point
Method - No information available

Autoignition Temperature No information available
Explosion Limits
Upper No data available
Lower No data available
Sensitivity to Mechanical Impact No information available
Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

None known

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
0	1	0	N/A

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage.

Methods for Containment and Clean Up No information available.

7. Handling and storage

Handling Ensure adequate ventilation.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Chrysene		TWA: 0.2 mg/m³	

Component	Quebec	Mexico OEL (TWA)	Ontario TWAEV
Chrysene			TWA:

Legend

OSHA - Occupational Safety and Health Administration

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Solid
Appearance	Light cream
Odor	No information available
Odor Threshold	No information available
pH	
Melting Point/Range	250 255 °C
Boiling Point/Range	°C @ 760 mmHg
Flash Point	
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Solubility	Insoluble in water
Partition coefficient; n-octanol/water	No data available

Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	C18H12
Molecular Weight	228.29

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products.

Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products None under normal use conditions

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Component Information

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Chrysene	218-01-9	Group 2B	Not listed	A3	X	Not listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Chrysene	Not listed	Not listed	Not listed	1.9 mg/L EC50 = 2 h

Persistence and Degradability No information available
Bioaccumulation/ Accumulation No information available.

Mobility No information available.

Component	log Pow
Chrysene	5.91

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Chrysene - 218-01-9	U050	-

14. Transport information

DOT
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III

TDG
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III

IATA
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III

IMDG/IMO
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III

15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Chrysene	X	X	-	205-923-4	-		-	-	X	-	X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Chrysene	218-01-9	98	1.0 0.1

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Chrysene	-	-	X	X

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA
Not applicable

Component	Hazardous Substances RQs	CERCLA EHS RQs
Chrysene	100 lb	-

California Proposition 65 This product does not contain any Proposition 65 chemicals

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
Chrysene	218-01-9	Carcinogen	0.35 µg/day	Carcinogen

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Chrysene	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class D2A Very toxic materials

16. Other information

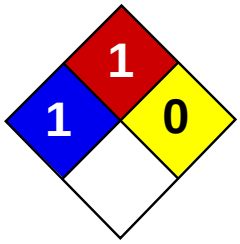
Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Revision Date 10-Feb-2015
Print Date 10-Feb-2015
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS



Health	1
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Fluorene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Fluorene

Catalog Codes: SLF1195

CAS#: 86-73-7

RTECS: LL5670000

TSCA: TSCA 8(b) inventory: Fluorene

CI#: Not available.

Synonym: o-Biphenylenemethane

Chemical Formula: C13H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Fluorene	86-73-7	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

Potential Chronic Health Effects:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Leaflets solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 166.21 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 295°C (563°F)

Melting Point: 116.5°C (241.7°F)

Critical Temperature: Not available.

Specific Gravity: 1.202 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Soluble in diethyl ether. Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Fluorene Massachusetts RTK: Fluorene TSCA 8(b) inventory: Fluorene CERCLA: Hazardous substances.: Fluorene

Other Regulations: Not available..

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
This product is not classified according to the EU regulations.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/09/2005 05:34 PM

Last Updated: 05/21/2013 12:00 PM

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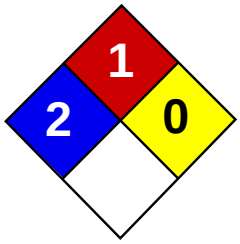

Health	2
Fire	1
Reactivity	0
Personal Protection	C

Material Safety Data Sheet
Pyrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Pyrene

Catalog Codes: SLP3868

CAS#: 129-00-00

RTECS: UR2450000

TSCA: TSCA 8(b) inventory: Pyrene

CI#: Not available.

Synonym: Benzo(D,E,F)phenanthrene

Chemical Name: Pyrene

Chemical Formula: C16-H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Pyrene	129-00-00	100

Toxicological Data on Ingredients: Pyrene: ORAL (LD50): Acute: 2700 mg/kg [Rat]. 800 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of heat, of combustible materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of heat. Non-explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested,

seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F). Preferably refrigerate.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Synthetic apron. Gloves (impervious).

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid. Powdered solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 202.26 g/mole

Color: Yellow.

pH (1% soln/water): Not applicable.

Boiling Point: 404°C (759.2°F)

Melting Point: 151.2°C (304.2°F)

Critical Temperature: Not available.

Specific Gravity: 1.271 @ 23 C (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 4.9

Ionicity (in Water): Not available.

Dispersion Properties:
Is not dispersed in cold water, hot water. See solubility in diethyl ether.

Solubility:
Soluble in diethyl ether. Insoluble in cold water, hot water. Pyrene is fairly soluble in organic solvents. It is soluble in alcohol, benzene, carbon disulfide, ether, petroleum ether, and toluene

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 800 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May affect genetic material (mutagenic). May cause cancer (tumorigenic) according to animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. May be absorbed through skin. Eyes: May cause eye irritation. Conjunctival irritation may be noted. Inhalation: May cause respiratory tract irritaiton. Ingestion: May cause gastrointestinal tract irritation. May affect behavior/Central Nervous System (excitation and muscel spasicity), liver and urinary system, and immune system, and blood.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 1.8 mg/l 48 hours [Water flea].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut carcinogen reporting list.: Pyrene Illinois chemical safety act: Pyrene New York release reporting list: Pyrene Pennsylvania RTK: Pyrene Massachusetts RTK: Pyrene Massachusetts spill list: Pyrene New Jersey: Pyrene New Jersey spill list: Pyrene Louisiana RTK reporting list: Pyrene Louisiana spill reporting: Pyrene California Director's list of Hazardous Substances: Pyrene TSCA 8(b) inventory: Pyrene TSCA 8(a) CAIR: Pyrene TSCA 8(d) H and S data reporting: Pyrene: June 1, 1987-June1, 1997 SARA 302/304/311/312 extremely hazardous substances: Pyrene CERCLA: Hazardous substances.: Pyrene: 5000 lbs. (2268 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: C

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves (impervious). Synthetic apron. Not applicable. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 05/21/2013 12:00 PM

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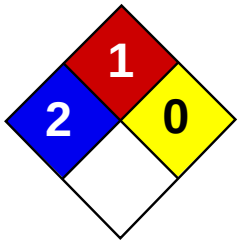

Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Acenaphthene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Acenaphthene

Catalog Codes: SLA2332

CAS#: 83-32-9

RTECS: AB1000000

TSCA: TSCA 8(b) inventory: Acenaphthene

CI#: Not applicable.

Synonym: Ethylenenaphthalene

Chemical Name: 1,8-Dehydroacenaphthalene

Chemical Formula: C10H6(CH2)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Acenaphthene	83-32-9	100

Toxicological Data on Ingredients: Acenaphthene LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Combustible.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid needles.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 154.21 g/mole

Color: White.

pH (1% soln/water): Not applicable.

Boiling Point: 277.5°C (531.5°F)

Melting Point: 93.6 (200.5°F)

Critical Temperature: Not available.

Specific Gravity: 1.02 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol.

Solubility:
Partially soluble in methanol. Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Material is irritating to mucous membranes and upper respiratory tract.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: Acenaphthene Massachusetts RTK: Acenaphthene New Jersey: Acenaphthene TSCA 8(b) inventory: Acenaphthene CERCLA: Hazardous substances.: Acenaphthene

Other Regulations: Not available.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): R36/38- Irritating to eyes and skin.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II.

Other Special Considerations: Not available.

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SAFETY DATA SHEET

Version 5.5
Revision Date 02/28/2015
Print Date 08/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Acenaphthylene

Product Number : 416703
Brand : Aldrich

CAS-No. : 208-96-8

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)
H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s)
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.

P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula	:	$C_{12}H_8$
Molecular weight	:	152.19 g/mol
CAS-No.	:	208-96-8
EC-No.	:	205-917-1

Hazardous components

Component	Classification	Concentration
Acenaphthylene		
	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H302, H315, H319, H335	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	Melting point/range: 78 - 82 °C (172 - 180 °F) - lit.
f)	Initial boiling point and boiling range	280 °C (536 °F) - lit.
g)	Flash point	122.0 °C (251.6 °F) - closed cup
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	0.899 g/mL at 25 °C (77 °F)
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available

t) Oxidizing properties No data available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
LD50 Oral - Mouse - 1,760 mg/kg
Remarks: Autonomic Nervous System:Other (direct) parasympathomimetic. Respiratory disorder Blood: Hemorrhage.

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: AB1254000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3077 Class: 9 Packing group: III
Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Acenaphthylene)
Reportable Quantity (RQ): 5000 lbs

Poison Inhalation Hazard: No

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Acute Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Acenaphthylene	208-96-8	1993-04-24

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Acenaphthylene	208-96-8	1993-04-24

New Jersey Right To Know Components

	CAS-No.	Revision Date
Acenaphthylene	208-96-8	1993-04-24

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Acenaphthylene	208-96-8	2007-09-28

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
Skin Irrit.	Skin irritation

HMIS Rating

Health hazard:	2
Chronic Health Hazard:	*
Flammability:	1
Physical Hazard	0

NFPA Rating

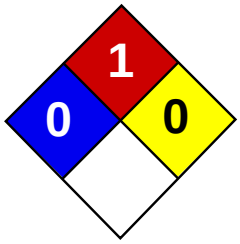
Health hazard:	2
Fire Hazard:	1
Reactivity Hazard:	0

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information
Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.5 Revision Date: 02/28/2015 Print Date: 08/06/2015



Material Safety Data Sheet
Anthracene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Anthracene

Catalog Codes: SLA3670

CAS#: 120-12-7

RTECS: CA9350000

TSCA: TSCA 8(b) inventory: Anthracene

CI#: Not available.

Synonym:

Chemical Formula: C14H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Anthracene	120-12-7	100

Toxicological Data on Ingredients: Anthracene LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Very hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (permeator), of ingestion. CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 540°C (1004°F)

Flash Points: CLOSED CUP: 121°C (249.8°F).

Flammable Limits: LOWER: 0.6%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Slight.

Taste: Not available.

Molecular Weight: 178.22 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 342°C (647.6°F)

Melting Point: 218°C (424.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.25 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 6.15 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Clear evidence.) by NTP, + (Proven.) by OSHA. Causes damage to the following organs: kidneys, lungs, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant, sensitizer), of inhalation. Hazardous in case of skin contact (permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Anthracene Massachusetts RTK: Anthracene TSCA 8(b) inventory: Anthracene SARA 313 toxic chemical notification and release reporting: Anthracene CERCLA: Hazardous substances.: Anthracene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R38- Irritating to skin. R41- Risk of serious damage to eyes. R43- May cause sensitization by skin contact. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 0

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 11:19 AM

Last Updated: 05/21/2013 12:00 PM

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VWDIQOHVV#VWHHOV#763	:76<0;<09 :76<0<908 :77307703 ::5604703 ::3706703 :773054 06 :77307:06
VWDIQOHVV#VWHHOV#763I	:77307:06 :76<0<;0: :76<0;<09 :76<0<908 :77307703 ::5604703 ::3706703 :773054 06

Iuhh#P VGV#Vhdufk#+#Sury1glqj#583/333. #P dwhuldd#Surshuwlhv#,
Fkhp fdv1frp
Odvw#p rglilhg=#3;23925348#43=5<=54#

SAFETY DATA SHEET

Creation Date 08-Nov-2010 **Revision Date** 18-Jun-2015 **Revision Number** 2

1. Identification

Product Name **Fluoranthene**

Cat No. : **AC119170000; AC119170250; AC119171000; AC119175000**

Synonyms Benzo[j,k]fluorene

Recommended Use Laboratory chemicals.

Uses advised against No Information available

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Entity / Business Name
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 4

Label Elements

Signal Word
Warning

Hazard Statements
Harmful if swallowed

Precautionary Statements
Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Ingestion
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Very toxic to aquatic life with long lasting effects

3. Composition / information on ingredients

Component	CAS-No	Weight %
Fluoranthene	206-44-0	>95

4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Obtain medical attention.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion Do not induce vomiting. Get medical attention.

Most important symptoms/effects No information available.

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Water spray. Carbon dioxide (CO_2). Dry chemical. alcohol-resistant foam.

Unsuitable Extinguishing Media No information available

Flash Point 100 °C / 212 °F

Method - No information available

Autoignition Temperature No information available

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO_2)

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
2	0	0	N/A

6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage.

Methods for Containment and Clean Up Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and storage

Handling Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust. Do not breathe vapors or spray mist. Avoid dust formation.

Storage Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

8. Exposure controls / personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Powder Solid
Appearance	Light green
Odor	Odorless
Odor Threshold	No information available
pH	No information available
Melting Point/Range	109 - 111 °C / 228.2 - 231.8 °F
Boiling Point/Range	384 - 34 °C / 723.2 - 93.2 °F
Flash Point	100 °C / 212 °F
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	C16 H10
Molecular Weight	202.25

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products.

Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO_2)

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information No acute toxicity information is available for this product

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Fluoranthene	2 g/kg (Rat)	3180 mg/kg (Rabbit)	Not listed

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation No information available

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Fluoranthene	206-44-0	Not listed	Not listed	Not listed	Not listed	Not listed

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects,both acute and delayed No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

12. Ecological information

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Fluoranthene	Not listed	Oncorhynchus mykiss: LC50=0.0077 mg/L 96h	Not listed	EC50: 0.78 mg/L 20h

Persistence and Degradability No information available
Bioaccumulation/ Accumulation No information available.

Mobility .

Component	log Pow
Fluoranthene	5.33

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Fluoranthene - 206-44-0	U120	-

14. Transport information

DOT
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Proper technical name** (Fluoranthene)
- **Hazard Class** 9
- **Packing Group** III

TDG
- **UN-No** UN3077
- **Proper Shipping Name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.
- **Hazard Class** 9
- **Packing Group** III

IATA
- **UN-No** UN3077
- **Proper Shipping Name** Environmentally hazardous substance, solid, n.o.s
- **Hazard Class** 9
- **Packing Group** III

IMDG/IMO
- **UN-No** UN3077
- **Proper Shipping Name** Environmentally hazardous substance, solid, n.o.s
- **Hazard Class** 9
- **Packing Group** III

15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Fluoranthene	X	-	X	205-912-4	-		-	X	X	X	-

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Fluoranthene	206-44-0	>95	1.0 0.1

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Fluoranthene	-	-	X	X

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Fluoranthene	100 lb	-

California Proposition 65 This product does not contain any Proposition 65 chemicals

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Fluoranthene	X	X	X	-	-

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class D1B Toxic materials

16. Other information

Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Creation Date 08-Nov-2010
Revision Date 18-Jun-2015
Print Date 18-Jun-2015
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS

SAFETY DATA SHEET

Version 5.4
Revision Date 04/24/2015
Print Date 08/06/2015

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Indeno[1,2,3-*cd*]pyrene

Product Number : 48499
Brand : Supelco

CAS-No. : 193-39-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA

Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Carcinogenicity (Category 2), H351

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)
H351 Suspected of causing cancer.

Precautionary statement(s)
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula	:	$C_{22}H_{12}$
Molecular weight	:	276.33 g/mol
CAS-No.	:	193-39-5
EC-No.	:	205-893-2

Hazardous components

Component	Classification	Concentration
Indeno[1,2,3-cd]pyrene		
	Carc. 2; H351	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Flush eyes with water as a precaution.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Carbon oxides

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection
impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odour	No data available
c)	Odour Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	163.6 °C (326.5 °F)
f)	Initial boiling point and boiling range	536.0 °C (996.8 °F)

g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies

IARC:	2B - Group 2B: Possibly carcinogenic to humans (Indeno[1,2,3-cd]pyrene)
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	Reasonably anticipated to be a human carcinogen (Indeno[1,2,3-cd]pyrene)
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

No data available

Specific target organ toxicity - single exposure
No data available

Specific target organ toxicity - repeated exposure
No data available

Aspiration hazard
No data available

Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Chronic Health Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
Indeno[1,2,3-cd]pyrene	193-39-5	1993-04-24

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Indeno[1,2,3-cd]pyrene	193-39-5	1993-04-24

New Jersey Right To Know Components

	CAS-No.	Revision Date
Indeno[1,2,3-cd]pyrene	193-39-5	1993-04-24

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.	CAS-No.	Revision Date
Indeno[1,2,3-cd]pyrene	193-39-5	2007-09-28

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Carc.	Carcinogenicity
H351	Suspected of causing cancer.

HMIS Rating

Health hazard:	0
Chronic Health Hazard:	*
Flammability:	0

Physical Hazard	0

NFPA Rating

Health hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

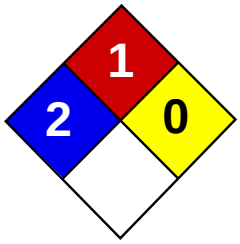
Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

Preparation Information

Sigma-Aldrich Corporation
Product Safety – Americas Region
1-800-521-8956

Version: 5.4 Revision Date: 04/24/2015 Print Date: 08/06/2015



Material Safety Data Sheet
Phenanthrene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Phenanthrene

Catalog Codes: SLP1318

CAS#: 85-01-8

RTECS: SF7175000

TSCA: TSCA 8(b) inventory: Phenanthrene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C14H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Phenanthrene	85-01-8	100

Toxicological Data on Ingredients: Phenanthrene: ORAL (LD50): Acute: 700 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: OPEN CUP: 171°C (339.8°F).

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In

case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 178.22 g/mole

Color: Not available.

pH (1% soln/water): Not available.

Boiling Point: 340°C (644°F)

Melting Point: 101°C (213.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.179 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 6.14 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 700 mg/kg [Mouse].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Phenanthrene

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC):
R36/38- Irritating to eyes and skin. R43- May cause sensitization by skin contact.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 11:16 AM

Last Updated: 05/21/2013 12:00 PM

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Appendix B
Remote Sensor Survey Job Report

On Point Locating, Inc.
1170 Lincoln Avenue, Suite 4,
Holbrook, N.Y. 11741
Phone: (631) On Point (*667-6468*)
Fax: (631) 589-1157

Job Report

Job Date: 7/29/2015, 7/30/2015

Job Site: 425 Union Blvd.
West Islip, NY 11795

Client: Impact Environmental
170 Keyland Court
Bohemia, NY 11716

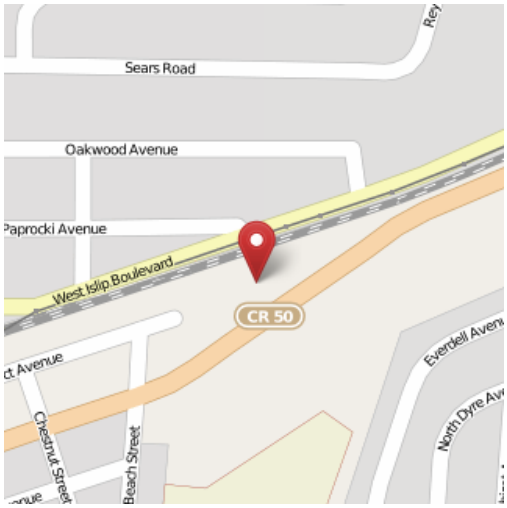


fig. 1 – job site location.

On Point personnel on site:
- Steven Strahmann (7/29, 7/30)
- Peter Economou (7/30)

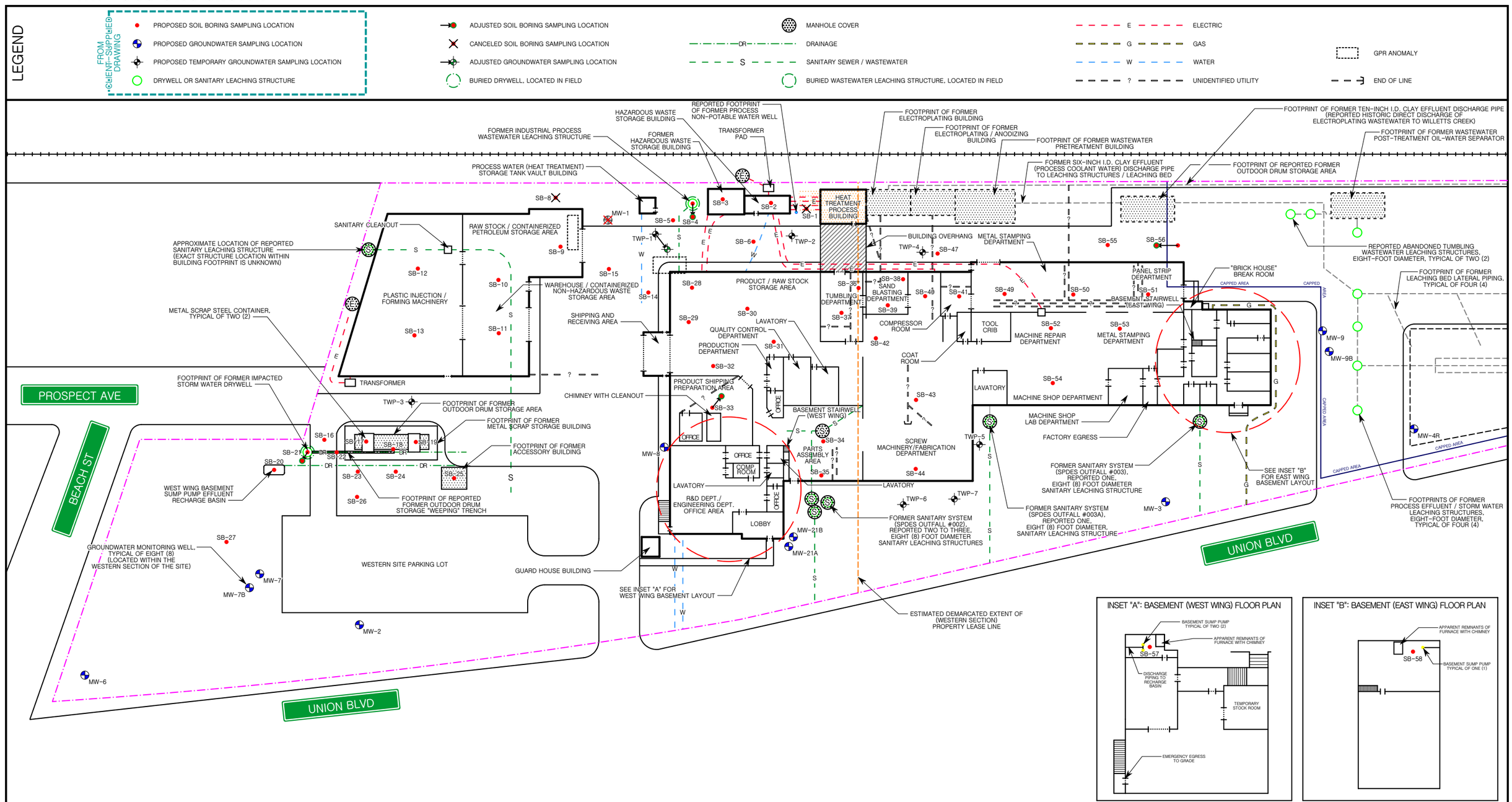
Equipment on site:
- Utility locator: Metrotech 810
- Ground-penetrating radar: GSSI UtilityScan DF 800/300 MHz

On Point Locating, Inc.
1170 Lincoln Avenue, Suite 4,
Holbrook, N.Y. 11741
Phone: (631) On Point (*667-6468*)
Fax: (631) 589-1157

Job Report

On Point personnel worked on site to locate and mark consumer-owned utilities, and to perform a ground-penetrating radar (GPR) scan, prior to soil boring. Utilities located and marked include gas, electric power, potable water, process water, sanitary sewer and wastewater with associated leaching structures, drainage with associated dry wells, and several unidentified utilities, as shown on the attached *Job Site Sketch* (*III*). Two anomalies were revealed by GPR, as shown. Some soil boring sampling locations were adjusted or canceled, in response to conditions encountered in the field. Some proposed temporary groundwater sampling locations were similarly adjusted. Approximate locations of all anomalies and utilities, as well as proposed bore locations, are shown on the attached *Job Site Sketch* (*III*).

III. Job Site Sketch



On Point LOCATING	On Point Locating, Inc. 1170 Lincoln Ave, Ste 4 Holbrook, NY 11741 TEL: (631) 667-6468 FAX: (631) 589-1157	NOT TO SCALE JD 2015-08-07 Includes portions of client-supplied drawing

Project Name: 425 Union Boulevard
Client Name: Impact Environmental
Project ID #: 15G-1040, 15G-1042
Date(s) Worked: 7/29/2015, 7/30/2015
Location: 425 Union Blvd. West Islip, NY 11795

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility

425 Union Boulevard, West Islip, New York

Appendix C

Soil Probe Logs

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-4	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 Depth to Water: Approx 12 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-4 (0-2**	0-5'	Dry	40/60	Brown SOILS followed by compacted silty SOILS	Sampled from 0-2'
2	0							
3	0						Brown M/C silty SANDS	
4	0							
5	0						Tan M/C poorly graded sands	
6	0.0	N/A		5-10'	Dry	48/60	Tan M/C poorly graded sands with pebbles	No signs of staining or odor
7	0						Tan M/C poorly graded sands with pebbles	
8	0							
9	0						Tan M/C poorly graded sands with pebbles	
10								
11	0.0	N/A		10-15'	Dry to mod moist	48/60	Grey/tan M/C SAND with small pebbles	No odor in any samples
12								
13	0						Tan/which chalky M/C moist SAND with small pebbles	
14								
15			**SB-4 (13-15')**					Sample collected from 13-15
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-5	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-5 (0-2')**	0-5'	Dry	40/60	Grey/brown poorly graded MF SAND with Silty soils.	Sample collected from 0-2'
2	0							
3	0							
4	0						Brown silty SAND, and tan poorly graded M/F SAND	
5	0							
6	0.0	N/A		5-10'	Dry	50/60	Poorly graded tan SAND with medium size pebbles	No signs of staining or odor
7	0							
8	0						Poorly graded M/C SAND no fines.	
9	0							
10	0		**SB-5 (8-10')**				Poorly graded M/C SAND no fines.	Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-6	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-6 (0-2')**	0-5'	Dry	40/60	Concrete underlain by brown MF silty SAND	Sample collected from 0-2'
2	0							
3	0						Light brown compacted silty SAND	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry	54/60	Tan MC SAND with pebbles	No signs of staining or odor
7	0						Grey/tan MF poorly graded SAND with large pebbles	
8	0							
9	0						Tan/grey MF poorly graded SAND	
10	0		**SB-6 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-7	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15' Depth to Water: Approx 10-12 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-7 (0-2)**	0-5'	Dry	44/60	Silty SOILS with grass and asphalt	No signs of staining or odors
2	0							
3	0						Tan SAND followed by dense brown silty SOILS	
4	0							
5	0						Tan MC SAND with rocks	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MC SAND with rocks	No signs of staining or odors
7	0						Tan MC SAND with rocks	
8	0							
9	0							
10	0						Tan MC slightly moist SAND with rocks	
11	60.2	N/A		10-15'	Moist to wet	54/60	Grey MF moist SAND with pebbles	
12			**SB-7 (10-12')**					Notable motor oil odor from 10-15'. Sample collected from 10-12'.
13	103.5						Grey MF wet SAND with pebbles	
14								
15	40.1						Grey MC wet SAND with pebbles	
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-8	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-8 (0-2')**	0-5'	Dry	40/60	Dark brown dense silty SOILS	No signs of staining or odors
2	0							
3	0						Dense to loose brown silty SOIL and SAND	
4	0							
5	0						Tan/grey MC SAND with rocks	
6	0.0	N/A		5-10'	Dry to mod moist	45/60	Tan/grey MC SAND with rocks	No signs of staining or odors
7	1.6						Tan/grey MC SAND with rocks	
8								
9	16.7		**SB-8 (8-9')**				Tan/grey MC SAND with rocks	Motot oil Odor noted at 8-9 feet GW at 9'
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-9	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-9 (0-2')**	0-5'	Dry	40/60	Dark brown dense silty SOILS	No signs of staining or odors
2	0							
3	0						Dense to loose brown silty SOIL and SAND	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MC SAND with pebbles	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-9 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-10	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-10 (0-2)**	0-5'	Dry	44/60	Light brown dry SANDS with large pebbles	No signs of staining or odors
	0							
2	0							
3	0						Brown/tan MC SAND to light brown dense silty SOIL	
4	0						Brown silty SOIL/SAND with small pebbles	
5	0.0	N/A		5-10'	Dry to mod moist	48/60	Brown MC SAND with small pebbles	No signs of staining or odors
6	0							
7	0						Tan MF SAND with small pebbles	
8	0		**SB-10 (8-9')**					
9	0						Tan/grey rocky moist SANDS with pebbles	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-11	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-11 (0-2)**	0-5'	Dry	44/60	Pebbly tan MC SAND	No signs of staining or odors
2	0							
3	0						Dense dry brown silty SOIL	
4	0							
5	0						Tan MF SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MF SAND with pebbles	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-11 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-12	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 7 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-12 (0-2')**	0-7'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	No signs of staining or odor
2							MC tan SANDS with small pebbles	
3	0						MC tan SANDS with small pebbles	
4							Mf tan SANDS	
5	0						MF tan SANDS	
6							MF tan SANDS	
7	0		**SB-12 (6-7')**				MF tan SANDS	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-13	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 7.5' Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	38.1	N/A	**SB-13 (0-2')**	0-7.5'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	Slight odor of motor oil throughout
2							MC tan SANDS with small pebbles	
3	1.3						MC tan SANDS with small pebbles	
4							Mf tan SANDS	
5	7.1						MF tan SANDS	
6							MF tan SANDS	
7	15.9		**SB-13 (7-7.5')**				MF tan SANDS	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-14	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 0 Depth to Water: Approx ~ ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	N/A	N/A	N/A	N/A	N/A	N/A	Concrete	Refusal met at 1', due to presence of sub-grade concrete pad.
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-15	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	1.9	N/A	**SB-15 (0-2')**	0-5'	Dry	40/60	Asphalt surface, brown M/F soily sands with small pebbles	Sample collected from 0-2'
2	0							
3	0							
4	0						Brown compacted silty SOIL with small pebbles	
5	0							
6	0.0	N/A		5-10'	Dry	50/60	Brown compacted silty SANDS with small pebbles	No signs of staining or odor
7	0							
8	0						MF poorly graded tan SAND with pebbles	
9	0							
10	0.4		**SB-15 (8-10')**				Tan/grey MF SAND	Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-16	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-16 (0-2')**	0-5'	Dry	48/60	Asphalt surface, brown M/F soily sands with small pebbles	Sample collected from 0-2'
2	0							
3	0							
4	0						Brown compacted silty SOIL with small pebbles	
5	0							
6	0.0	N/A		5-10'	Dry	52/60	Brown compacted silty SANDS with small pebbles	No signs of staining or odor
7	0							
8	0						MF poorly graded tan SAND with pebbles	
9	0							
10	0		**SB-16 (8-10')**				MF poorly graded tan moist SAND with pebbles	Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-17	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 feet Depth to Water: Approx 13 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	90	N/A	**SB-17 (0-2')**	0-5'	Dry	40/60	Tan soily SANDS with silts	Motor oil odor noted in all samples 0-15 feet
2								
3	109						Brown silty SOIL/SAND mix with pebbles	
4								
5	109						Tan MF SAND	
6	109.0	N/A		5-10'	Dry	42/60	Tan MF SAND	
7	78						Tan/grey well graded SAND	
8								
9	78						Tan/grey well graded SAND	
10								
11	88.0	N/A	**SB-17 (10-12')**	10-15'	Dry-moist	50/60	Grey slightly moist well graded MF SAND with pebbles	Significant odors
12								
13	128						Grey to tan SANDS followed by wet grey MF SAND	
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-18	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date:	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-18 (0-2')**	0-5'	Dry	48/60	Brown M/F soily sands with small pebbles	Sample collected from 0-2'
2	0							
3	0							
4	0						Brown compacted silty SOIL with small pebbles	
5	0							
6	0.0	N/A		5-10'	Dry	52/60	Brown compacted silty SANDS with small pebbles	
7	0							
8	0						MF poorly graded tan SAND with pebbles	
9	146							Odor noted (motor oil)
10			**SB-18 (8-10')**				MF poorly graded grey moist SAND with pebbles	Sample collected from 08-10' Refusal at 10'
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-19	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	70	N/A	**SB-19 (0-2')**	0-5'	Dry	48/60	Tan MF SAND followed by compacted brown SILTY SAND	Sample collected from 0-2'
2								
3	132						Black/dark brown MF silty SAND	
4								
5	136						Grey/tan MC poorly graded SAND	
6	111.0	N/A		5-10'	Dry	58/60	Grey/tan MC poorly graded SAND	
7	119						Grey/tan MC poorly graded SAND	
8								Odor noted in all samples
9	148						Grey/tan MC poorly graded moist SANDS	
10			**SB-19 (8-10')**					Sample collected from 08-10'
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-20	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-20 (0-2')**	0-5'	Dry	40/60	Loose followed by compacted silty brown SOIL	Sample collected from 0-2'
2	0							
3	0						Brown soily MF SAND to tan MC SAND	
4	0							
5	0						Tan/orange MC SAND	
6	0.0	N/A		5-10'	Dry	54/60	Grey/brown MF SAND with pebbles	
7	0						Tan/brown MC SAND with pebbles	
8	0							
9	0						Moist MC SAND with pebbles	
10			**SB-20 (8-10')**					Sample collected from 08-10'
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-21	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: ____ Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-21 (0-2')**	0-5'	Dry	40/60	Soil and grasssy layer underlain bylight tan M/C SAND	No signs of staining or odors
2	0							
3	0						Brown silty SOILS, follwed by well graded tan SAND	
4	0							
5	0						Well graded light brown SAND	
6	0.0	N/A		5-10'	Dry	48/60	Well graded light brown SAND	No signs of staining or odors
7	0						Well graded light brown SAND	
8	0							
9	320						Light brown SAND with pebbles, followed by grey slightly moist SAND	Odors and staining detected at 8-10'
10			**SB-21 (8-10')**					Refusal encountered at 10'
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-22	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 feet Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-22 (0-2')**	0-5'	Dry	40/60	Black/brown SAND and SOIL, with gravel	No signs of staining or odors
2	0							
3	0						Brown silty SOILS, follwed by poorly graded tan SAND	
4	0							
5	0						Dark brown M/C SANDS	
6	0.0	N/A		5-10'	Dry-moist	48/60	Dark brown M/C SANDS	No signs of staining or odors
7	0						Brown/grey M/C SAND	
8	0							
9	269						Black moist M/C SANDS with pebbles	Motor oil Odors and staining detected at 8-15'
10			**SB-22 (8-10')**					
11	320.0	N/A		10-15'	Moist-wet	52/60	Grey/black damp M/C SAND	Groundwater encountered at 10'
12								
13	398						Grey/black wet M/C SAND	
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-23	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 feet Depth to Water: Approx 15 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-23 (0-2')**	0-5'	Dry	38/60	Asphalt, with underlying brown silty SOILS with some fines	No odor or signs of staining
2	0							
3	0						Brown poorly graded MF SAND with pebbles	
4	0							
5	0						Light tan well graded SAND with pebbles	
6	0.0	N/A		5-10'	Dry	45/60	Light tan well graded SAND with pebbles	No odor or signs of staining
7	0						Light tan MF SAND with pebbles	
8	0							
9	0							
10	0						Light tan MF SAND with pebbles	
11	0.0	N/A		10-15'	Dry-moist	52/60	Light tan MF SAND with pebbles	No odor or signs of staining
12	0							
13	0						Light tan/tan F SAND slightly moist, with M pebbles	
14	0							
15	0		**SB-23 (13-15')**				Light tan/tan F SAND slightly moist, with M pebbles	
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-24	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 feet Depth to Water: Approx 15 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-24 (0-2')**	0-5'	Dry	40/60	Asphalt/concrete mixture at surface, with dark brown F silty SAND	No odor or signs of staining
2	0							
3	0						F tan well graded SAND with small pebbles	
4	0							
5	0						Light tan well graded M/F SAND	
6	0.0	N/A		5-10'	Dry	42/60	Light tan well graded M/F SAND	No odor or signs of staining
7	0						Well graded tan M/F SAND	
8	0							
9	0							
10	0						Well graded tan M/F SAND	
11	0.0	N/A		10-15'	Dry-moist	50/60	Light tan dry M/F well graded SAND	
12	0							
13	0						Light tan dry M/F well graded SAND	
14	0							
15	26.4		**SB-24 (13-15')**				Grey, slightly moist M/F SAND, with a slight motor oil odor	motor oil odor and visual signs of contamination
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-25	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 feet Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	**Sample ID**	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-25 (0-2')**	0-5	Dry	48/60	Asphalt surface, greyish tan M/F soily sands with small pebbles	Sample collected from 0-2'
	0							
2	0							
3	0						Tan SAND with F, poorly graded with pebbles	
4	0							
5	0.0	N/A		0-5	Dry	52/60	F tan SAND, poorly graded with pebbles	No signs of staining or odor Sample collected from 08-10
6	0							
7	0						Light tan, dry, poorly graded SANDS with small/medium pebbles	
8	0							
9	0		**SB-25 (8-10')**				White chalky SANDS to tan MF sand	Refusal encountered at 10'
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-26	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 15 feet Depth to Water: Approx 15 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-26 (0-2')**	0-5'	Dry	40/60	Asphalt layer underlayed by brown silty SAND	No signs of staining or odors
2	0							
3	0						Dark brown to light brown F compacted silty SOIL	
4	0							
5	0						Light tan, well graded SAND wwith small pebbles	
6	0.0	N/A		5-10'	Dry	48/60	Light tan, well graded SAND wwith small pebbles	No signs of staining or odors
7	0						Light tan, well graded SAND wwith small pebbles	
8	0							
9	0						Light tan, well graded SAND wwith small pebbles	
10	0							
11	0.0	N/A		10-15'	Dry-slight moist	48/60	Light grey/brown poorly graded SANDS	No signs of staining or odors
12	0							
13	0						Light grey/brown poorly graded SANDS	
14	0							
15	0		**SB-26 (13-15')**				Light grey/brown poorly graded SANDS	
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-27	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 feet Depth to Water: Approx 15 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-27 (0-2')**	0-5'	Dry	40/60	Soil and grasssy layer underlain bylight tan M/C SAND	No signs of staining or odors
2	0							
3	0						Tan, well graded M/C SAND	
4	0							
5	0						Light tan, well graded SAND wwith small pebbles	
6	0.0	N/A		5-10'	Dry	48/60	Poorly graded tan SAND with pebbles	No signs of staining or odors
7	0						Poorly graded tan SAND with pebbles	
8	0							
9	0							
10	0		**SB-27 (8-10')**				Poorly graded tan SAND with pebbles	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-28	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-28 (0-2')**	0-5'	Dry	40/60	Dark brown dense silty SOILS	No signs of staining or odors
2	0							
3	0						Dense to loose brown silty SOIL and SAND	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MC SAND with pebbles	No signs of staining or odors
7	0						Grey to tan MF SANDS with medium pebbles	
8	0							
9	0		**SB-28 (8-9')**				Grey to tan MF SANDS with medium pebbles, 9' moist	
10	0							
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-29	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-29 (0-2')**	0-5'	Dry	48/60	Dark brown dense silty SOILS	No signs of staining or odors
2	0							
3	0						Dense to loose brown silty SOIL and SAND	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MC SAND with pebbles	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-29 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-30	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-30 (0-2')**	0-5'	Dry	40/60	Dark brown dense silty SOILS	No signs of staining or odors
2	0							
3	0						Dense to loose brown silty SOIL and SAND	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Tan MC SAND with pebbles	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-30 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-31	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-31 (0-2')**	0-5'	Dry	44/60	Gravelly MC tan SAND	No signs of staining or odors
2	0							
3	0						Compact brown silty SAND	
4	0							
5	0						Tan, pebbly MC SAND	
6	0.0	N/A		5-10'	Dry	52/60	Tan, pebbly MC SAND	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-31 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-32	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-32 (0-2')**	0-5'	Dry	48/60	Gravelly MC tan SAND	No signs of staining or odors
2	0							
3	0						Compact brown silty SAND	
4	0							
5	0						Tan, pebbly MC SAND	
6	0.0	N/A		5-10'	Dry	52/60	Tan, pebbly MC SAND	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-32 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-33	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-33 (0-2')**	0-5'	Dry	48/60	Rocky brown MC SAND with silts	No signs of staining or odors
2	0							
3	0						Silty compacted SOIL	
4	0							
5	0						Orange/tan poorly graded MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	48/60	Orange/tan poorly graded MC SAND with pebbles	No signs of staining or odors
7	0						Grey/Tan rocky MC SAND	
8	0							
9	0		**SB-33 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-34	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-34 (0-2')**	0-5'	Dry	40/60	Gravelly MC light brown SAND	No signs of staining or odors
2	0							
3	0						Compact brown silty SAND	
4	0							
5	0						Tan, pebbly MC SAND	
6	0.0	N/A		5-10'	Dry	48/60	Tan, pebbly MC SAND	No signs of staining or odors
7	0						Tan rocky MC SAND	
8	0							
9	0		**SB-34 (8-9')**				Tan rocky MC SAND, moist from 9'	
10	0							
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19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-35	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-35 (0-2')**	0-5'	Dry	44/60	MC tan SAND with pebbles	Sample collected from 0-2'
	0							
2	0							
3	0						Dense silty SOIL followed by light brown MF SAND	
4	0							
5	0						Loose tan MF SAND with small pebbles	
	0.0	N/A		5-10'	Dry to mod moist	54/60	Loose tan MF SAND with small pebbles	No signs of staining or odor
6	0						Tan rocky MC SAND	
7	0							
8	0		**SB-35 (8-9')**					Sample collected from 8-9'
9	0						Tan rocky MC SAND, moist from 9'	
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-36	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 feet Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-36 (0-2')**	0-6'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	0						MC tan SANDS with small pebbles	
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	0.0		**SB-36 (5-6')**				MF tan SANDS	
6								
7								
8								
9								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-37	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-37 (0-2')**	0-6'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	0						MC tan SANDS with small pebbles	
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	0.0		**SB-37 (5-6')**				MF tan SANDS	
6								
7								
8								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-38	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-38 (0-2')**	0-6'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	0						MC tan SANDS with small pebbles	
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	0.0		**SB-38 (5-6')**				MF tan SANDS	
6								
7								
8								
9								
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18								
19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-39	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-39 (0-2')**	0-6'	Dry	N/A	6-8" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	0						MC tan SANDS with small pebbles	
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	0.0		**SB-39 (5-6')**				MF tan SANDS	
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-40	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 6' Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-40 (0-2')**	0-6'	Dry	N/A	6" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	0						MC tan SANDS with small pebbles	
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	0.0		**SB-40 (5-6')**				MF tan SANDS	
6								
7								
8								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-41	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Jackhammer/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A		0-6'	Dry	N/A	6" concrete slab, underlain by MC poorly graded sands with pebbles.	No visual or olfactory signs of contamination
1	320		**SB-41 (1-2')**				MC tan SANDS with small pebbles	Slight odor
2	0						MC tan SANDS with small pebbles	
3	0						Mf tan SANDS	
4	0						MF tan SANDS	
5	30.0		**SB-41 (5-6')**				MF tan SANDS	
6								
7								
8								
9								
10								
11								
12								
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16								
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18								
19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC		Boring No.: SB-42	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001		Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York		Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.		*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10	Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-42 (0-2')**	0-5'	Dry	44/60	Brown silty SOIL withn rocks	Sample collected from 0-2'
2	0							
3	0						Brown dense silty SOIL	
4	0							
5	0						Brown dense silty SOIL	
6	0.0	N/A		5-10'	Dry to mod moist	50/60	Tan MC SAND with pebbles	No signs of staining or odor
7	0						Tan rocky MC SAND	
8	0							Sample collected from 9-10'
9	0						Tan rocky MC SAND, moist at 10'	
10	0		**SB-42 (9-10')**					
11								
12								
13								
14								
15								
16								
17								
18								
19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-43	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-43 (0-2')**	0-5'	Dry	38/60	Dry F light brown silty SOIL	Sample collected from 0-2'
2	0							
3	0						Compacted med brown F silty SOIL and SAND mix	
4	0							
5	0						Rocky tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	56/60	Rocky tan MC SAND with pebbles	No signs of staining or odor
7	0						Tan rocky MC SAND	
8	0		**SB-43 (8-9')**					Sample collected from 8-9'
9	0						Tan rocky MC SAND, moist from 9'	
10								
11								
12								
13								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC		Boring No.: SB-44	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001		Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York		Date: 8/6/2015	
Drilling Co: Impact Environmental Closures, Inc.		*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10	Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-44 (0-2')**	0-5'	Dry	44/60	MC tan SAND with pebbles	Sample collected from 0-2'
	0							
2	0							
3	0						Dense silty SOIL followed by light brown MF SAND	
4	0							
5	0						Loose tan MF SAND with small pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	54/60	Loose tan MF SAND with small pebbles	No signs of staining or odor
	0						Tan rocky MC SAND	
7	0							
8	0		**SB-44 (8-9')**					Sample collected from 8-9'
9	0						Tan rocky MC SAND, moist from 9'	
10								
11								
12								
13								
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16								
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19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-46	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/3/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 feet Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-46 (0-2')**	0-5'	Dry	42/60	Light brown F silty SOIL	Sample collected from 0-2'
2	0							
3	0							
4	0						Light brown/med brown MF silty SOIL and SAND mix with small pebbles	
5	0							
6	0.0	N/A		5-10'	Dry	50/60	Tan/light grey MC SAND with small pebbles	No signs of staining or odor
7	0							
8	0						Tan C SAND with med pebbles	
9	0							
10	0		**SB-46 (8-10')**				Tan MF SAND with small pebbles	Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-47	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0	N/A	**SB-47 (0-2')**	0-5'	Dry	42/60	Asphalt underlain by loose mix of brown MF silty SAND	Sample collected from 0-2'
1	0							
2	0						Compact brown silty SAND with small pebbles	
3	0							
4	0						Tan/brown MC SAND	
5	0.0	N/A		5-10'	Dry	50/60	Tan/brown MC SAND w small pebbles	No signs of staining or odor
6	0						MF tan SAND followed by grey/tan SAND with pebbles	
7	0							
8	0							
9	0		**SB-47 (8-10')**				Tan moist SAND with pebbles	Sample collected from 08-10
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC		Boring No.: SB-48	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001		Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York		Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.		*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10	Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-48 (0-2')**	0-5'	Dry	40/60	Grey/brown MF silty SOIL	Sample collected from 0-2'
2	0							
3	0						Light brown silty SOIL and SAND mix with small pebbles	
4	0							
5	0						Tan MF SAND	
6	0.0	N/A		5-10'	Dry	48/60	Tan MF SAND	No signs of staining or odor
7	0						Tan MF SAND	
8	0							
9	0							
10	0		**SB-48 (8-10')**				Tan MF SAND with small pebbles	Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-49	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-49 (0-2')**	0-5'	Dry	42/60	Concrete underlain by F silty SOIL and compacted brown SAND	Sample collected from 0-2'
2	0							
3	0						Orange/tan MF SAND with small pebbles	
4	0							
5	0						Light tan well graded SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	50/60	Light tan well graded SAND with pebbles	No signs of staining or odor
7	0						Brown MC SAND with pebbles	
8	0							
9	0						Slightly moist tan MC SAND with pebbles	
10	0		**SB-49 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-50	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-50 (0-2')**	0-5'	Dry	42/60	Concrete underlain by F silty SOIL and compacted brown SAND	Sample collected from 0-2'
2	0							
3	0						Orange/tan MF SAND with small pebbles	
4	0							
5	0						Light tan well graded SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	50/60	Light tan well graded SAND with pebbles	No signs of staining or odor
7	0						Brown MC SAND with pebbles	
8	0							
9	0						Slightly moist tan MC SAND with pebbles	
10	0		**SB-50 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-51	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-51 (0-2')**	0-5'	Dry	48/60	Concrete underlain by F silty SOIL and compacted brown SAND	Sample collected from 0-2'
2	0							
3	0						Dark brown MF SAND with small pebbles	
4	0							
5	0						Light tan well graded SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	56/60	Light tan well graded SAND with pebbles	No signs of staining or odor
7	0						Tan MC SAND with pebbles	
8	0							
9	0						Slightly moist tan MC SAND with pebbles	
10	0		**SB-51 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-52	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-52 (0-2')**	0-5'	Dry	40/60	Concrete underlain by F silty SOIL and compacted brown SAND	Sample collected from 0-2'
2	0							
3	0						F silty SOIL and compacted brown SAND	
4	0							
5	0						Tan MC SAND	
6	0.0	N/A		5-10'	Dry to mod moist	52/60	Tan MC SAND	No signs of staining or odor
7	0						Tan MC SAND with pebbles	
8	0							
9	0						Tan MC moist porrly graded SAND with pebbles	
10	0		**SB-52 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-53	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-53 (0-2')**	0-5'	Dry	40/60	Concrete underlain by F silty SOIL and compacted brown SAND	Sample collected from 0-2'
2	0							
3	0						Dark brown MF SAND with small pebbles	
4	0							
5	0						Dark brown MF SAND with small pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	52/60	Dark brown MF SAND with small pebbles	No signs of staining or odor
7	0						Brown-Tan MF SAND with pebbles	
8	0							
9	0						Brown-Tan MF SAND with pebbles	
10	0		**SB-53 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-54	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 9 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-54 (0-2')**	0-5'	Dry	38/60	Concrete underlain by compact brown silty SOIL	Sample collected from 0-2'
2	0							
3	0						Brown compacted MF silty SOIL	
4	0							
5	0						Tan MC SAND with pebbles	
6	0.0	N/A		5-10'	Dry to mod moist	56/60	Tan MC SAND with pebbles	No signs of staining or odor
7	0						Tan rocky MC SAND	
8	0							
9	0						Tan rocky MC SAND, moist from 9'	
10	0		**SB-54 (8-10')**					Sample collected from 08-10
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-55	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-55 (0-2')**	0-5'	Dry	48/60	MC wel graded tan SAND	Sample collected from 0-2'
	0							
2	0							
3	0						Compacted brown silty SOIL with some mixed MF SAND	
4	0							
5	0						Brown/light brown silty SAND	
	0.0	N/A		5-10'	Dry to mod moist	50/60	Brown/light brown MC SAND	No signs of staining or odor
6	0							
7	0						Marbled MC poorly graded SAND with pebbles	
8	0							
9	0		**SB-55 (8-10')**				Light tan MC slightly moist SAND with pebbles	Sample collected from 08-10
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-56	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/4/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Geoprobe direct push/percussion	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Evan Perrigard/Patrick Magill	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 10 feet Depth to Water: Approx 10 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	0	N/A	**SB-56 (0-2')**	0-5'	Dry	48/60	Asphalt, MC tan SAND/silty SAND	Sample collected from 0-2'
	0							
2	0							
3	0						Brown compact silty SAND mix	
4	0						Light brown silty MF SAND	
5	0.0	N/A		5-10'	Dry to mod moist	50/60	MC tan SAND with small pebbles	No signs of staining or odor
6	0							
7	0						Poorly graded tan MC SAND with pebbles	
8	0							
9	0		**SB-56 (8-10')**				Slightly moist tan poorly graded MC SAND	Sample collected from 08-10
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-57	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Concrete core drill/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 2' Depth to Water: Approx 2 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	29.3	N/A	**SB-57 (0-2')**	0-2'	Moist	N/A	6-8" concrete slab, underlain by MC poorly graded grey moist sands grey/brown poorly graded moist SAND	Visual and olfactory signs of aged motor oil impact
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: 425 Union Boulevard Associates, LLC	Boring No.: SB-58	Impact Environmental 170 Keyland Court Bohemia, NY 11716 (631) 269-8800
Project # : 7655-01-04-4001	Sheet 1 of 1	
Site Location: 425 Union Boulevard, West Islip, New York	Date: 8/5/2015	
Drilling Co: Impact Environmental Closures, Inc.	*FORMAT FOR CHARACTERIZATION*	
Method: Concrete core drill/Stainless steel hand auger	**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Kurt Pfaffenberger/Dan Fruhauf	**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Depth: 2' Depth to Water: Approx 2 ft BLS		

depth (feet)	PID (ppmv)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
1	42.1	N/A	**SB-58 (0-2')**	0-2'	Moist	N/A	12" concrete slab	Visual and olfactory signs of aged motor oil impact
2							grey/brown poorly graded moist SAND	
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Appendix D
Quality Assurance and Quality Control Procedures (QA/QC)

Quality Assurance and Quality Control Procedures (QA/QC)

The following sampling QA/QC protocol is in accordance with the United States Environmental Protection Agency's (USEPA) accepted sampling procedures for hazardous waste streams [Municipal Research Laboratory, 1980, Sampling and Analysis Procedures for Hazardous Material Waste Streams, Office of Emergency and Remedial Response, Cincinnati, Ohio. EPA-600/280-018] and American Society of Testing and Material's (ASTM's) Sampling Procedures.

A. Sampling Personnel

The activities associated with the survey, sampling and analysis plan were performed by or under the auspices of a USEPA Office of Emergency and Remedial Response, Certified Sampler for Hazardous Materials. The sample staff (samplers) possessed a minimum of a B.A. Degree in the Earth, Space or Biological Sciences or a B.S. Degree in Engineering. Samplers had a minimum of one (1) year experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and "Right-To-Know" training.

B. Sampling Equipment

Separate QA/QC measures were implemented for each of the instruments used in the performance of the SAP.

B.1 Geoprobe

Prior to arrival on the Site and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

B.2 Photo Ionization Detector

Calibration of the PID was conducted prior to sampling using a span gas of known concentration. The PID was a MiniRae Model 3000, photo ionization detection meter.

B.3 Sample Vessels

All sample vessels were "level A" certified decontaminated containers supplied by a New York State Certified Commercial Laboratory. Samples analyzed for hydrocarbons were placed in containers with Teflon lined caps. All samples were preserved by cooling them to a temperature of approximately four degrees Celsius.

C. Sample Documentation

A sample represents physical evidence. An essential part of liability reduction is the proper control of gathered evidence. To establish proper control, the following sample identification and chain-of custody procedures were followed.

C.1 Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) instrument used for source sample grabs; 5) the composite medium used for source sample grabs; 6) the date the sample was secured from the source media; 7) the time the sample was secured from the source media; and 8) the person who secured the sample from the source media.

C.2 Chain-of-Custody Procedures

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

C. 3 Laboratory-Custody Procedures

A designated sample custodian accepted custody of the shipped samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to shipment, pick-up, courier, etc., was entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook.

The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible

for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

Impact Environmental

Phase II Environmental Assessment Report

DFCI Solutions, Inc. Facility
425 Union Boulevard, West Islip, New York

Appendix E
Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L1518221
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/12/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518221-01	SB-25 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 08:30	08/04/15
L1518221-02	SB-25 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 08:45	08/04/15
L1518221-03	SB-26 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 09:00	08/04/15
L1518221-04	SB-26 13-15	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 09:15	08/04/15
L1518221-05	SB-23 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 09:30	08/04/15
L1518221-06	SB-23 13-15	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 09:45	08/04/15
L1518221-07	SB-24 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 10:00	08/04/15
L1518221-08	SB-24 13-15	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 10:15	08/04/15
L1518221-09	SB-27 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 10:30	08/04/15
L1518221-10	SB-27 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 10:45	08/04/15
L1518221-11	SB-21 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 11:00	08/04/15
L1518221-12	SB-21 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 11:15	08/04/15
L1518221-13	SB-22 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 11:30	08/04/15
L1518221-14	SB-22 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 11:45	08/04/15
L1518221-15	SB-16 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 12:00	08/04/15
L1518221-16	SB-16 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 12:15	08/04/15
L1518221-17	SB-17 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 12:30	08/04/15
L1518221-18	SB-17 10-12	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 12:45	08/04/15
L1518221-19	SB-18 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 13:00	08/04/15
L1518221-20	SB-18 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 13:15	08/04/15
L1518221-21	SB-15 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 13:30	08/04/15
L1518221-22	SB-15 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 13:45	08/04/15
L1518221-23	SB-5 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 14:00	08/04/15
L1518221-24	SB-5 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 14:15	08/04/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518221-25	SB-4 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 14:30	08/04/15
L1518221-26	SB-4 13-15	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 14:45	08/04/15
L1518221-27	SB-46 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 15:00	08/04/15
L1518221-28	SB-46 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 15:15	08/04/15
L1518221-29	SB-6 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 15:30	08/04/15
L1518221-30	SB-6 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 15:45	08/04/15
L1518221-31	SB-19 0-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 16:00	08/04/15
L1518221-32	SB-19 8-10	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/03/15 16:15	08/04/15

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655 **Lab Number:** L1518221
Project Number: 7655 **Report Date:** 08/12/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

L1518221-08, -12, -18, and -20: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1518221-32: The sample has elevated detection limits due to the dilution required by the sample matrix.

Metals

The WG809306-4 MS recovery for iron (0%), performed on L1518221-01, does not apply because the sample concentration is greater than four times the spike amount added.

The WG809516-4 MS recovery, performed on L1518221-01, is outside the acceptance criteria for mercury (160%). A post digestion spike was performed and was within acceptance criteria.

The WG809306-3 Laboratory Duplicate RPD, performed on L1518221-01, is outside the acceptance criteria for calcium (23%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 08/12/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02
Client ID: SB-25 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 10:40
Analyst: BN
Percent Solids: 98%

Date Collected: 08/03/15 08:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02 Date Collected: 08/03/15 08:45

Client ID: SB-25 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	2.0	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02 Date Collected: 08/03/15 08:45

Client ID: SB-25 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04
Client ID: SB-26 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 11:07
Analyst: BN
Percent Solids: 96%

Date Collected: 08/03/15 09:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	14		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04 Date Collected: 08/03/15 09:15

Client ID: SB-26 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	0.91	J	ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	0.91	J	ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	16		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	2.1	J	ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04 Date Collected: 08/03/15 09:15

Client ID: SB-26 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06
Client ID: SB-23 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 11:33
Analyst: BN
Percent Solids: 98%

Date Collected: 08/03/15 09:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06 Date Collected: 08/03/15 09:45

Client ID: SB-23 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	12		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06 Date Collected: 08/03/15 09:45

Client ID: SB-23 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08 D
Client ID: SB-24 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 12:00
Analyst: BN
Percent Solids: 97%

Date Collected: 08/03/15 10:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	26	2.8	2.5
1,1-Dichloroethane	ND		ug/kg	3.8	0.22	2.5
Chloroform	ND		ug/kg	3.8	0.95	2.5
Carbon tetrachloride	ND		ug/kg	2.6	0.54	2.5
1,2-Dichloropropane	ND		ug/kg	9.0	0.58	2.5
Dibromochloromethane	ND		ug/kg	2.6	0.39	2.5
1,1,2-Trichloroethane	ND		ug/kg	3.8	0.78	2.5
Tetrachloroethene	ND		ug/kg	2.6	0.36	2.5
Chlorobenzene	ND		ug/kg	2.6	0.89	2.5
Trichlorofluoromethane	ND		ug/kg	13	1.0	2.5
1,2-Dichloroethane	ND		ug/kg	2.6	0.29	2.5
1,1,1-Trichloroethane	ND		ug/kg	2.6	0.28	2.5
Bromodichloromethane	ND		ug/kg	2.6	0.44	2.5
trans-1,3-Dichloropropene	ND		ug/kg	2.6	0.31	2.5
cis-1,3-Dichloropropene	ND		ug/kg	2.6	0.30	2.5
1,3-Dichloropropene, Total	ND		ug/kg	2.6	0.30	2.5
1,1-Dichloropropene	ND		ug/kg	13	0.36	2.5
Bromoform	ND		ug/kg	10	0.60	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	2.6	0.26	2.5
Benzene	ND		ug/kg	2.6	0.30	2.5
Toluene	ND		ug/kg	3.8	0.50	2.5
Ethylbenzene	ND		ug/kg	2.6	0.33	2.5
Chloromethane	ND		ug/kg	13	0.75	2.5
Bromomethane	ND		ug/kg	5.1	0.87	2.5
Vinyl chloride	ND		ug/kg	5.1	0.30	2.5
Chloroethane	ND		ug/kg	5.1	0.81	2.5
1,1-Dichloroethene	ND		ug/kg	2.6	0.67	2.5
trans-1,2-Dichloroethene	ND		ug/kg	3.8	0.54	2.5
Trichloroethene	ND		ug/kg	2.6	0.32	2.5
1,2-Dichlorobenzene	ND		ug/kg	13	0.39	2.5

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08 D Date Collected: 08/03/15 10:15

Client ID: SB-24 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	13	0.35	2.5
1,4-Dichlorobenzene	ND		ug/kg	13	0.36	2.5
Methyl tert butyl ether	ND		ug/kg	5.1	0.22	2.5
p/m-Xylene	ND		ug/kg	5.1	0.51	2.5
o-Xylene	ND		ug/kg	5.1	0.44	2.5
Xylenes, Total	ND		ug/kg	5.1	0.44	2.5
cis-1,2-Dichloroethene	ND		ug/kg	2.6	0.37	2.5
1,2-Dichloroethene, Total	ND		ug/kg	2.6	0.37	2.5
Dibromomethane	ND		ug/kg	26	0.42	2.5
Styrene	ND		ug/kg	5.1	1.0	2.5
Dichlorodifluoromethane	ND		ug/kg	26	0.49	2.5
Acetone	ND		ug/kg	26	2.6	2.5
Carbon disulfide	ND		ug/kg	26	2.8	2.5
2-Butanone	ND		ug/kg	26	0.70	2.5
Vinyl acetate	ND		ug/kg	26	0.34	2.5
4-Methyl-2-pentanone	ND		ug/kg	26	0.63	2.5
1,2,3-Trichloropropane	ND		ug/kg	26	0.42	2.5
2-Hexanone	ND		ug/kg	26	1.7	2.5
Bromochloromethane	ND		ug/kg	13	0.71	2.5
2,2-Dichloropropane	ND		ug/kg	13	0.58	2.5
1,2-Dibromoethane	ND		ug/kg	10	0.45	2.5
1,3-Dichloropropane	ND		ug/kg	13	0.37	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	2.6	0.82	2.5
Bromobenzene	ND		ug/kg	13	0.53	2.5
n-Butylbenzene	ND		ug/kg	2.6	0.29	2.5
sec-Butylbenzene	ND		ug/kg	2.6	0.31	2.5
tert-Butylbenzene	ND		ug/kg	13	0.35	2.5
o-Chlorotoluene	ND		ug/kg	13	0.41	2.5
p-Chlorotoluene	ND		ug/kg	13	0.34	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	13	1.0	2.5
Hexachlorobutadiene	ND		ug/kg	13	0.58	2.5
Isopropylbenzene	ND		ug/kg	2.6	0.27	2.5
p-Isopropyltoluene	ND		ug/kg	2.6	0.32	2.5
Naphthalene	ND		ug/kg	13	0.36	2.5
Acrylonitrile	ND		ug/kg	26	1.3	2.5
n-Propylbenzene	ND		ug/kg	2.6	0.28	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	13	0.38	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	13	0.47	2.5
1,3,5-Trimethylbenzene	ND		ug/kg	13	0.37	2.5

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08 D Date Collected: 08/03/15 10:15

Client ID: SB-24 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	13	0.36	2.5
1,4-Dioxane	ND		ug/kg	260	37.	2.5
p-Diethylbenzene	ND		ug/kg	10	0.41	2.5
p-Ethyltoluene	ND		ug/kg	10	0.32	2.5
1,2,4,5-Tetramethylbenzene	ND		ug/kg	10	0.33	2.5
Ethyl ether	ND		ug/kg	13	0.67	2.5
trans-1,4-Dichloro-2-butene	ND		ug/kg	13	1.0	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10
Client ID: SB-27 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 12:26
Analyst: BN
Percent Solids: 96%

Date Collected: 08/03/15 10:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10 Date Collected: 08/03/15 10:45

Client ID: SB-27 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10 Date Collected: 08/03/15 10:45

Client ID: SB-27 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12 D
Client ID: SB-21 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 12:53
Analyst: BN
Percent Solids: 95%

Date Collected: 08/03/15 11:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	120	100
1,1-Dichloroethane	ND		ug/kg	160	9.0	100
Chloroform	ND		ug/kg	160	39.	100
Carbon tetrachloride	ND		ug/kg	100	22.	100
1,2-Dichloropropane	ND		ug/kg	370	24.	100
Dibromochloromethane	ND		ug/kg	100	16.	100
1,1,2-Trichloroethane	ND		ug/kg	160	32.	100
Tetrachloroethene	ND		ug/kg	100	15.	100
Chlorobenzene	ND		ug/kg	100	37.	100
Trichlorofluoromethane	ND		ug/kg	530	41.	100
1,2-Dichloroethane	ND		ug/kg	100	12.	100
1,1,1-Trichloroethane	ND		ug/kg	100	12.	100
Bromodichloromethane	ND		ug/kg	100	18.	100
trans-1,3-Dichloropropene	ND		ug/kg	100	13.	100
cis-1,3-Dichloropropene	ND		ug/kg	100	12.	100
1,3-Dichloropropene, Total	ND		ug/kg	100	12.	100
1,1-Dichloropropene	ND		ug/kg	530	15.	100
Bromoform	ND		ug/kg	420	25.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	11.	100
Benzene	ND		ug/kg	100	12.	100
Toluene	ND		ug/kg	160	20.	100
Ethylbenzene	ND		ug/kg	100	13.	100
Chloromethane	ND		ug/kg	530	31.	100
Bromomethane	ND		ug/kg	210	36.	100
Vinyl chloride	ND		ug/kg	210	12.	100
Chloroethane	ND		ug/kg	210	33.	100
1,1-Dichloroethene	ND		ug/kg	100	28.	100
trans-1,2-Dichloroethene	ND		ug/kg	160	22.	100
Trichloroethene	ND		ug/kg	100	13.	100
1,2-Dichlorobenzene	ND		ug/kg	530	16.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12 D Date Collected: 08/03/15 11:15

Client ID: SB-21 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	530	14.	100
1,4-Dichlorobenzene	ND		ug/kg	530	14.	100
Methyl tert butyl ether	ND		ug/kg	210	8.9	100
p/m-Xylene	ND		ug/kg	210	21.	100
o-Xylene	ND		ug/kg	210	18.	100
Xylenes, Total	ND		ug/kg	210	18.	100
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	100
1,2-Dichloroethene, Total	ND		ug/kg	100	15.	100
Dibromomethane	ND		ug/kg	1000	17.	100
Styrene	ND		ug/kg	210	42.	100
Dichlorodifluoromethane	ND		ug/kg	1000	20.	100
Acetone	ND		ug/kg	1000	110	100
Carbon disulfide	ND		ug/kg	1000	120	100
2-Butanone	ND		ug/kg	1000	29.	100
Vinyl acetate	ND		ug/kg	1000	14.	100
4-Methyl-2-pentanone	ND		ug/kg	1000	26.	100
1,2,3-Trichloropropane	ND		ug/kg	1000	17.	100
2-Hexanone	ND		ug/kg	1000	70.	100
Bromochloromethane	ND		ug/kg	530	29.	100
2,2-Dichloropropane	ND		ug/kg	530	24.	100
1,2-Dibromoethane	ND		ug/kg	420	18.	100
1,3-Dichloropropane	ND		ug/kg	530	15.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	34.	100
Bromobenzene	ND		ug/kg	530	22.	100
n-Butylbenzene	ND		ug/kg	100	12.	100
sec-Butylbenzene	180		ug/kg	100	13.	100
tert-Butylbenzene	330	J	ug/kg	530	14.	100
o-Chlorotoluene	ND		ug/kg	530	17.	100
p-Chlorotoluene	ND		ug/kg	530	14.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	530	42.	100
Hexachlorobutadiene	ND		ug/kg	530	24.	100
Isopropylbenzene	ND		ug/kg	100	11.	100
p-Isopropyltoluene	560		ug/kg	100	13.	100
Naphthalene	ND		ug/kg	530	14.	100
Acrylonitrile	ND		ug/kg	1000	54.	100
n-Propylbenzene	110		ug/kg	100	12.	100
1,2,3-Trichlorobenzene	ND		ug/kg	530	16.	100
1,2,4-Trichlorobenzene	ND		ug/kg	530	19.	100
1,3,5-Trimethylbenzene	1600		ug/kg	530	15.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12 D Date Collected: 08/03/15 11:15

Client ID: SB-21 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1700		ug/kg	530	15.	100
1,4-Dioxane	ND		ug/kg	10000	1500	100
p-Diethylbenzene	8500		ug/kg	420	17.	100
p-Ethyltoluene	980		ug/kg	420	13.	100
1,2,4,5-Tetramethylbenzene	1100		ug/kg	420	14.	100
Ethyl ether	ND		ug/kg	530	27.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	530	41.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 D2
Client ID: SB-22 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 19:08
Analyst: BN
Percent Solids: 95%

Date Collected: 08/03/15 11:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p-Diethylbenzene	38000		ug/kg	1000	42.	250

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 D
Client ID: SB-22 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 13:19
Analyst: BN
Percent Solids: 95%

Date Collected: 08/03/15 11:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	120	100
1,1-Dichloroethane	ND		ug/kg	160	9.0	100
Chloroform	ND		ug/kg	160	39.	100
Carbon tetrachloride	ND		ug/kg	100	22.	100
1,2-Dichloropropane	ND		ug/kg	370	24.	100
Dibromochloromethane	ND		ug/kg	100	16.	100
1,1,2-Trichloroethane	ND		ug/kg	160	32.	100
Tetrachloroethene	ND		ug/kg	100	15.	100
Chlorobenzene	ND		ug/kg	100	37.	100
Trichlorofluoromethane	ND		ug/kg	530	41.	100
1,2-Dichloroethane	ND		ug/kg	100	12.	100
1,1,1-Trichloroethane	ND		ug/kg	100	12.	100
Bromodichloromethane	ND		ug/kg	100	18.	100
trans-1,3-Dichloropropene	ND		ug/kg	100	13.	100
cis-1,3-Dichloropropene	ND		ug/kg	100	12.	100
1,3-Dichloropropene, Total	ND		ug/kg	100	12.	100
1,1-Dichloropropene	ND		ug/kg	530	15.	100
Bromoform	ND		ug/kg	420	25.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	11.	100
Benzene	ND		ug/kg	100	12.	100
Toluene	ND		ug/kg	160	20.	100
Ethylbenzene	ND		ug/kg	100	13.	100
Chloromethane	ND		ug/kg	530	31.	100
Bromomethane	ND		ug/kg	210	36.	100
Vinyl chloride	ND		ug/kg	210	12.	100
Chloroethane	ND		ug/kg	210	33.	100
1,1-Dichloroethene	ND		ug/kg	100	28.	100
trans-1,2-Dichloroethene	ND		ug/kg	160	22.	100
Trichloroethene	ND		ug/kg	100	13.	100
1,2-Dichlorobenzene	ND		ug/kg	530	16.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 D Date Collected: 08/03/15 11:45

Client ID: SB-22 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	530	14.	100
1,4-Dichlorobenzene	ND		ug/kg	530	14.	100
Methyl tert butyl ether	ND		ug/kg	210	8.9	100
p/m-Xylene	170	J	ug/kg	210	21.	100
o-Xylene	250		ug/kg	210	18.	100
Xylenes, Total	420	J	ug/kg	210	18.	100
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	100
1,2-Dichloroethene, Total	ND		ug/kg	100	15.	100
Dibromomethane	ND		ug/kg	1000	17.	100
Styrene	ND		ug/kg	210	42.	100
Dichlorodifluoromethane	ND		ug/kg	1000	20.	100
Acetone	ND		ug/kg	1000	110	100
Carbon disulfide	ND		ug/kg	1000	120	100
2-Butanone	ND		ug/kg	1000	29.	100
Vinyl acetate	ND		ug/kg	1000	14.	100
4-Methyl-2-pentanone	ND		ug/kg	1000	26.	100
1,2,3-Trichloropropane	ND		ug/kg	1000	17.	100
2-Hexanone	ND		ug/kg	1000	70.	100
Bromochloromethane	ND		ug/kg	530	29.	100
2,2-Dichloropropane	ND		ug/kg	530	24.	100
1,2-Dibromoethane	ND		ug/kg	420	18.	100
1,3-Dichloropropane	ND		ug/kg	530	15.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	34.	100
Bromobenzene	ND		ug/kg	530	22.	100
n-Butylbenzene	6300		ug/kg	100	12.	100
sec-Butylbenzene	1000		ug/kg	100	13.	100
tert-Butylbenzene	560		ug/kg	530	14.	100
o-Chlorotoluene	ND		ug/kg	530	17.	100
p-Chlorotoluene	ND		ug/kg	530	14.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	530	42.	100
Hexachlorobutadiene	ND		ug/kg	530	24.	100
Isopropylbenzene	150		ug/kg	100	11.	100
p-Isopropyltoluene	3000		ug/kg	100	13.	100
Naphthalene	910		ug/kg	530	14.	100
Acrylonitrile	ND		ug/kg	1000	54.	100
n-Propylbenzene	270		ug/kg	100	12.	100
1,2,3-Trichlorobenzene	ND		ug/kg	530	16.	100
1,2,4-Trichlorobenzene	ND		ug/kg	530	19.	100
1,3,5-Trimethylbenzene	11000		ug/kg	530	15.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 D Date Collected: 08/03/15 11:45

Client ID: SB-22 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	22000		ug/kg	530	15.	100
1,4-Dioxane	ND		ug/kg	10000	1500	100
p-Diethylbenzene	40000	E	ug/kg	420	17.	100
p-Ethyltoluene	11000		ug/kg	420	13.	100
1,2,4,5-Tetramethylbenzene	8500		ug/kg	420	14.	100
Ethyl ether	ND		ug/kg	530	27.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	530	41.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16
Client ID: SB-16 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 13:46
Analyst: BN
Percent Solids: 98%

Date Collected: 08/03/15 12:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16 Date Collected: 08/03/15 12:15

Client ID: SB-16 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	3.2	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16 Date Collected: 08/03/15 12:15

Client ID: SB-16 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	0.28	J	ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18 D
Client ID: SB-17 10-12
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 14:12
Analyst: BN
Percent Solids: 97%

Date Collected: 08/03/15 12:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	520	57.	50
1,1-Dichloroethane	ND		ug/kg	77	4.4	50
Chloroform	ND		ug/kg	77	19.	50
Carbon tetrachloride	ND		ug/kg	52	11.	50
1,2-Dichloropropane	ND		ug/kg	180	12.	50
Dibromochloromethane	ND		ug/kg	52	7.9	50
1,1,2-Trichloroethane	ND		ug/kg	77	16.	50
Tetrachloroethene	ND		ug/kg	52	7.2	50
Chlorobenzene	ND		ug/kg	52	18.	50
Trichlorofluoromethane	ND		ug/kg	260	20.	50
1,2-Dichloroethane	ND		ug/kg	52	5.8	50
1,1,1-Trichloroethane	ND		ug/kg	52	5.7	50
Bromodichloromethane	ND		ug/kg	52	8.9	50
trans-1,3-Dichloropropene	ND		ug/kg	52	6.2	50
cis-1,3-Dichloropropene	ND		ug/kg	52	6.1	50
1,3-Dichloropropene, Total	ND		ug/kg	52	6.1	50
1,1-Dichloropropene	ND		ug/kg	260	7.3	50
Bromoform	ND		ug/kg	210	12.	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	52	5.2	50
Benzene	ND		ug/kg	52	6.1	50
Toluene	ND		ug/kg	77	10.	50
Ethylbenzene	ND		ug/kg	52	6.6	50
Chloromethane	ND		ug/kg	260	15.	50
Bromomethane	ND		ug/kg	100	17.	50
Vinyl chloride	ND		ug/kg	100	6.0	50
Chloroethane	ND		ug/kg	100	16.	50
1,1-Dichloroethene	ND		ug/kg	52	14.	50
trans-1,2-Dichloroethene	ND		ug/kg	77	11.	50
Trichloroethene	ND		ug/kg	52	6.4	50
1,2-Dichlorobenzene	ND		ug/kg	260	7.9	50

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18 D Date Collected: 08/03/15 12:45

Client ID: SB-17 10-12 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	260	7.0	50
1,4-Dichlorobenzene	ND		ug/kg	260	7.1	50
Methyl tert butyl ether	ND		ug/kg	100	4.4	50
p/m-Xylene	33	J	ug/kg	100	10.	50
o-Xylene	ND		ug/kg	100	8.9	50
Xylenes, Total	33	J	ug/kg	100	8.9	50
cis-1,2-Dichloroethene	ND		ug/kg	52	7.4	50
1,2-Dichloroethene, Total	ND		ug/kg	52	7.4	50
Dibromomethane	ND		ug/kg	520	8.4	50
Styrene	ND		ug/kg	100	21.	50
Dichlorodifluoromethane	ND		ug/kg	520	9.8	50
Acetone	ND		ug/kg	520	53.	50
Carbon disulfide	ND		ug/kg	520	57.	50
2-Butanone	ND		ug/kg	520	14.	50
Vinyl acetate	ND		ug/kg	520	6.8	50
4-Methyl-2-pentanone	ND		ug/kg	520	12.	50
1,2,3-Trichloropropane	ND		ug/kg	520	8.4	50
2-Hexanone	ND		ug/kg	520	34.	50
Bromochloromethane	ND		ug/kg	260	14.	50
2,2-Dichloropropane	ND		ug/kg	260	12.	50
1,2-Dibromoethane	ND		ug/kg	210	9.0	50
1,3-Dichloropropane	ND		ug/kg	260	7.5	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	52	16.	50
Bromobenzene	ND		ug/kg	260	11.	50
n-Butylbenzene	320		ug/kg	52	5.9	50
sec-Butylbenzene	160		ug/kg	52	6.3	50
tert-Butylbenzene	ND		ug/kg	260	7.0	50
o-Chlorotoluene	ND		ug/kg	260	8.2	50
p-Chlorotoluene	ND		ug/kg	260	6.8	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	260	20.	50
Hexachlorobutadiene	ND		ug/kg	260	12.	50
Isopropylbenzene	45	J	ug/kg	52	5.4	50
p-Isopropyltoluene	370		ug/kg	52	6.4	50
Naphthalene	2000		ug/kg	260	7.1	50
Acrylonitrile	ND		ug/kg	520	26.	50
n-Propylbenzene	130		ug/kg	52	5.6	50
1,2,3-Trichlorobenzene	ND		ug/kg	260	7.6	50
1,2,4-Trichlorobenzene	ND		ug/kg	260	9.4	50
1,3,5-Trimethylbenzene	150	J	ug/kg	260	7.4	50

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18 D Date Collected: 08/03/15 12:45

Client ID: SB-17 10-12 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	1600		ug/kg	260	7.3	50
1,4-Dioxane	ND		ug/kg	5200	740	50
p-Diethylbenzene	750		ug/kg	210	8.2	50
p-Ethyltoluene	430		ug/kg	210	6.4	50
1,2,4,5-Tetramethylbenzene	870		ug/kg	210	6.7	50
Ethyl ether	ND		ug/kg	260	13.	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	20.	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	95		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20 D
Client ID: SB-18 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 14:39
Analyst: BN
Percent Solids: 94%

Date Collected: 08/03/15 13:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1100	120	100
1,1-Dichloroethane	ND		ug/kg	160	9.1	100
Chloroform	ND		ug/kg	160	39.	100
Carbon tetrachloride	ND		ug/kg	110	22.	100
1,2-Dichloropropane	ND		ug/kg	370	24.	100
Dibromochloromethane	ND		ug/kg	110	16.	100
1,1,2-Trichloroethane	ND		ug/kg	160	32.	100
Tetrachloroethene	ND		ug/kg	110	15.	100
Chlorobenzene	ND		ug/kg	110	37.	100
Trichlorofluoromethane	ND		ug/kg	530	41.	100
1,2-Dichloroethane	ND		ug/kg	110	12.	100
1,1,1-Trichloroethane	ND		ug/kg	110	12.	100
Bromodichloromethane	ND		ug/kg	110	18.	100
trans-1,3-Dichloropropene	ND		ug/kg	110	13.	100
cis-1,3-Dichloropropene	ND		ug/kg	110	12.	100
1,3-Dichloropropene, Total	ND		ug/kg	110	12.	100
1,1-Dichloropropene	ND		ug/kg	530	15.	100
Bromoform	ND		ug/kg	420	25.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	110	11.	100
Benzene	ND		ug/kg	110	12.	100
Toluene	ND		ug/kg	160	21.	100
Ethylbenzene	ND		ug/kg	110	14.	100
Chloromethane	ND		ug/kg	530	31.	100
Bromomethane	ND		ug/kg	210	36.	100
Vinyl chloride	ND		ug/kg	210	12.	100
Chloroethane	ND		ug/kg	210	34.	100
1,1-Dichloroethene	ND		ug/kg	110	28.	100
trans-1,2-Dichloroethene	ND		ug/kg	160	22.	100
Trichloroethene	ND		ug/kg	110	13.	100
1,2-Dichlorobenzene	ND		ug/kg	530	16.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20 D Date Collected: 08/03/15 13:15

Client ID: SB-18 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	530	14.	100
1,4-Dichlorobenzene	ND		ug/kg	530	15.	100
Methyl tert butyl ether	ND		ug/kg	210	9.0	100
p/m-Xylene	ND		ug/kg	210	21.	100
o-Xylene	ND		ug/kg	210	18.	100
Xylenes, Total	ND		ug/kg	210	18.	100
cis-1,2-Dichloroethene	ND		ug/kg	110	15.	100
1,2-Dichloroethene, Total	ND		ug/kg	110	15.	100
Dibromomethane	ND		ug/kg	1100	17.	100
Styrene	ND		ug/kg	210	43.	100
Dichlorodifluoromethane	ND		ug/kg	1100	20.	100
Acetone	ND		ug/kg	1100	110	100
Carbon disulfide	ND		ug/kg	1100	120	100
2-Butanone	ND		ug/kg	1100	29.	100
Vinyl acetate	ND		ug/kg	1100	14.	100
4-Methyl-2-pentanone	ND		ug/kg	1100	26.	100
1,2,3-Trichloropropane	ND		ug/kg	1100	17.	100
2-Hexanone	ND		ug/kg	1100	71.	100
Bromochloromethane	ND		ug/kg	530	29.	100
2,2-Dichloropropane	ND		ug/kg	530	24.	100
1,2-Dibromoethane	ND		ug/kg	420	18.	100
1,3-Dichloropropane	ND		ug/kg	530	15.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	110	34.	100
Bromobenzene	ND		ug/kg	530	22.	100
n-Butylbenzene	800		ug/kg	110	12.	100
sec-Butylbenzene	400		ug/kg	110	13.	100
tert-Butylbenzene	ND		ug/kg	530	14.	100
o-Chlorotoluene	ND		ug/kg	530	17.	100
p-Chlorotoluene	ND		ug/kg	530	14.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	530	42.	100
Hexachlorobutadiene	ND		ug/kg	530	24.	100
Isopropylbenzene	ND		ug/kg	110	11.	100
p-Isopropyltoluene	880		ug/kg	110	13.	100
Naphthalene	ND		ug/kg	530	15.	100
Acrylonitrile	ND		ug/kg	1100	54.	100
n-Propylbenzene	180		ug/kg	110	12.	100
1,2,3-Trichlorobenzene	ND		ug/kg	530	16.	100
1,2,4-Trichlorobenzene	ND		ug/kg	530	19.	100
1,3,5-Trimethylbenzene	1100		ug/kg	530	15.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20 D Date Collected: 08/03/15 13:15

Client ID: SB-18 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	2000		ug/kg	530	15.	100
1,4-Dioxane	ND		ug/kg	11000	1500	100
p-Diethylbenzene	5800		ug/kg	420	17.	100
p-Ethyltoluene	250	J	ug/kg	420	13.	100
1,2,4,5-Tetramethylbenzene	1600		ug/kg	420	14.	100
Ethyl ether	ND		ug/kg	530	28.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	530	42.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	99		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22
Client ID: SB-15 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 15:06
Analyst: BN
Percent Solids: 91%

Date Collected: 08/03/15 13:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	19		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	0.98	J	ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22 Date Collected: 08/03/15 13:45

Client ID: SB-15 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	2.7	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22 Date Collected: 08/03/15 13:45

Client ID: SB-15 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24
Client ID: SB-5 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 15:32
Analyst: BN
Percent Solids: 97%

Date Collected: 08/03/15 14:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24 Date Collected: 08/03/15 14:15

Client ID: SB-5 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24 Date Collected: 08/03/15 14:15

Client ID: SB-5 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26
Client ID: SB-4 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 15:59
Analyst: BN
Percent Solids: 95%

Date Collected: 08/03/15 14:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26 Date Collected: 08/03/15 14:45

Client ID: SB-4 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	2.3	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26 Date Collected: 08/03/15 14:45

Client ID: SB-4 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28
Client ID: SB-46 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 16:26
Analyst: BN
Percent Solids: 94%

Date Collected: 08/03/15 15:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28 Date Collected: 08/03/15 15:15

Client ID: SB-46 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	3.0	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.54	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28 Date Collected: 08/03/15 15:15

Client ID: SB-46 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30
Client ID: SB-6 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 16:53
Analyst: BN
Percent Solids: 89%

Date Collected: 08/03/15 15:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30 Date Collected: 08/03/15 15:45

Client ID: SB-6 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.10	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	3.2	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30 Date Collected: 08/03/15 15:45

Client ID: SB-6 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D
Client ID: SB-19 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/11/15 17:20
Analyst: BN
Percent Solids: 97%

Date Collected: 08/03/15 16:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	110	100
1,1-Dichloroethane	ND		ug/kg	150	8.8	100
Chloroform	ND		ug/kg	150	38.	100
Carbon tetrachloride	ND		ug/kg	100	22.	100
1,2-Dichloropropane	ND		ug/kg	360	23.	100
Dibromochloromethane	ND		ug/kg	100	16.	100
1,1,2-Trichloroethane	ND		ug/kg	150	31.	100
Tetrachloroethene	ND		ug/kg	100	14.	100
Chlorobenzene	ND		ug/kg	100	36.	100
Trichlorofluoromethane	ND		ug/kg	510	40.	100
1,2-Dichloroethane	ND		ug/kg	100	12.	100
1,1,1-Trichloroethane	ND		ug/kg	100	11.	100
Bromodichloromethane	ND		ug/kg	100	18.	100
trans-1,3-Dichloropropene	ND		ug/kg	100	12.	100
cis-1,3-Dichloropropene	ND		ug/kg	100	12.	100
1,3-Dichloropropene, Total	ND		ug/kg	100	12.	100
1,1-Dichloropropene	ND		ug/kg	510	14.	100
Bromoform	ND		ug/kg	410	24.	100
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	10.	100
Benzene	ND		ug/kg	100	12.	100
Toluene	ND		ug/kg	150	20.	100
Ethylbenzene	ND		ug/kg	100	13.	100
Chloromethane	ND		ug/kg	510	30.	100
Bromomethane	ND		ug/kg	200	35.	100
Vinyl chloride	ND		ug/kg	200	12.	100
Chloroethane	ND		ug/kg	200	32.	100
1,1-Dichloroethene	ND		ug/kg	100	27.	100
trans-1,2-Dichloroethene	ND		ug/kg	150	22.	100
Trichloroethene	ND		ug/kg	100	13.	100
1,2-Dichlorobenzene	ND		ug/kg	510	16.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D Date Collected: 08/03/15 16:15

Client ID: SB-19 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	510	14.	100
1,4-Dichlorobenzene	ND		ug/kg	510	14.	100
Methyl tert butyl ether	ND		ug/kg	200	8.7	100
p/m-Xylene	80	J	ug/kg	200	20.	100
o-Xylene	ND		ug/kg	200	18.	100
Xylenes, Total	80	J	ug/kg	200	18.	100
cis-1,2-Dichloroethene	ND		ug/kg	100	15.	100
1,2-Dichloroethene, Total	ND		ug/kg	100	15.	100
Dibromomethane	ND		ug/kg	1000	17.	100
Styrene	ND		ug/kg	200	41.	100
Dichlorodifluoromethane	ND		ug/kg	1000	20.	100
Acetone	ND		ug/kg	1000	110	100
Carbon disulfide	ND		ug/kg	1000	110	100
2-Butanone	ND		ug/kg	1000	28.	100
Vinyl acetate	ND		ug/kg	1000	14.	100
4-Methyl-2-pentanone	ND		ug/kg	1000	25.	100
1,2,3-Trichloropropane	ND		ug/kg	1000	17.	100
2-Hexanone	ND		ug/kg	1000	68.	100
Bromochloromethane	ND		ug/kg	510	28.	100
2,2-Dichloropropane	ND		ug/kg	510	23.	100
1,2-Dibromoethane	ND		ug/kg	410	18.	100
1,3-Dichloropropane	ND		ug/kg	510	15.	100
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	33.	100
Bromobenzene	ND		ug/kg	510	21.	100
n-Butylbenzene	740		ug/kg	100	12.	100
sec-Butylbenzene	340		ug/kg	100	12.	100
tert-Butylbenzene	ND		ug/kg	510	14.	100
o-Chlorotoluene	ND		ug/kg	510	16.	100
p-Chlorotoluene	ND		ug/kg	510	14.	100
1,2-Dibromo-3-chloropropane	ND		ug/kg	510	41.	100
Hexachlorobutadiene	ND		ug/kg	510	23.	100
Isopropylbenzene	95	J	ug/kg	100	11.	100
p-Isopropyltoluene	750		ug/kg	100	13.	100
Naphthalene	4100		ug/kg	510	14.	100
Acrylonitrile	ND		ug/kg	1000	53.	100
n-Propylbenzene	270		ug/kg	100	11.	100
1,2,3-Trichlorobenzene	ND		ug/kg	510	15.	100
1,2,4-Trichlorobenzene	ND		ug/kg	510	19.	100
1,3,5-Trimethylbenzene	1600		ug/kg	510	15.	100

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D Date Collected: 08/03/15 16:15

Client ID: SB-19 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	4300		ug/kg	510	14.	100
1,4-Dioxane	ND		ug/kg	10000	1500	100
p-Diethylbenzene	5700		ug/kg	410	16.	100
p-Ethyltoluene	1300		ug/kg	410	13.	100
1,2,4,5-Tetramethylbenzene	2100		ug/kg	410	13.	100
Ethyl ether	ND		ug/kg	510	27.	100
trans-1,4-Dichloro-2-butene	ND		ug/kg	510	40.	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG810999-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG810999-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG810999-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/11/15 09:21
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG810999-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32					Batch:	WG810999-1	WG810999-2
Methylene chloride	109		108		70-130	1		30
1,1-Dichloroethane	116		114		70-130	2		30
Chloroform	117		113		70-130	3		30
Carbon tetrachloride	119		116		70-130	3		30
1,2-Dichloropropane	112		110		70-130	2		30
Dibromochloromethane	105		106		70-130	1		30
2-Chloroethylvinyl ether	105		105		70-130	0		30
1,1,2-Trichloroethane	109		107		70-130	2		30
Tetrachloroethene	118		116		70-130	2		30
Chlorobenzene	112		111		70-130	1		30
Trichlorofluoromethane	129		124		70-139	4		30
1,2-Dichloroethane	110		110		70-130	0		30
1,1,1-Trichloroethane	120		118		70-130	2		30
Bromodichloromethane	112		112		70-130	0		30
trans-1,3-Dichloropropene	111		110		70-130	1		30
cis-1,3-Dichloropropene	111		110		70-130	1		30
1,1-Dichloropropene	122		118		70-130	3		30
Bromoform	104		102		70-130	2		30
1,1,2,2-Tetrachloroethane	106		104		70-130	2		30
Benzene	116		113		70-130	3		30
Toluene	114		113		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32					Batch:	WG810999-1	WG810999-2
Ethylbenzene	116		115		70-130	1		30
Chloromethane	115		110		52-130	4		30
Bromomethane	127		119		57-147	7		30
Vinyl chloride	129		124		67-130	4		30
Chloroethane	140		137		50-151	2		30
1,1-Dichloroethene	119		113		65-135	5		30
trans-1,2-Dichloroethene	116		113		70-130	3		30
Trichloroethene	117		114		70-130	3		30
1,2-Dichlorobenzene	111		109		70-130	2		30
1,3-Dichlorobenzene	114		110		70-130	4		30
1,4-Dichlorobenzene	113		110		70-130	3		30
Methyl tert butyl ether	108		107		66-130	1		30
p/m-Xylene	116		113		70-130	3		30
o-Xylene	114		113		70-130	1		30
cis-1,2-Dichloroethene	115		112		70-130	3		30
Dibromomethane	107		107		70-130	0		30
Styrene	113		112		70-130	1		30
Dichlorodifluoromethane	118		113		30-146	4		30
Acetone	93		90		54-140	3		30
Carbon disulfide	110		106		59-130	4		30
2-Butanone	95		95		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32					Batch: WG810999-1		WG810999-2
Vinyl acetate	101		100		70-130	1		30
4-Methyl-2-pentanone	96		97		70-130	1		30
1,2,3-Trichloropropane	104		105		68-130	1		30
2-Hexanone	87		88		70-130	1		30
Bromochloromethane	111		110		70-130	1		30
2,2-Dichloropropane	123		118		70-130	4		30
1,2-Dibromoethane	106		107		70-130	1		30
1,3-Dichloropropane	109		109		69-130	0		30
1,1,1,2-Tetrachloroethane	110		109		70-130	1		30
Bromobenzene	112		111		70-130	1		30
n-Butylbenzene	121		117		70-130	3		30
sec-Butylbenzene	119		116		70-130	3		30
tert-Butylbenzene	118		112		70-130	5		30
o-Chlorotoluene	116		113		70-130	3		30
p-Chlorotoluene	118		114		70-130	3		30
1,2-Dibromo-3-chloropropane	103		100		68-130	3		30
Hexachlorobutadiene	121		114		67-130	6		30
Isopropylbenzene	118		115		70-130	3		30
p-Isopropyltoluene	117		113		70-130	3		30
Naphthalene	101		99		70-130	2		30
Acrylonitrile	103		102		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32					Batch:	WG810999-1	WG810999-2
Diisopropyl Ether	107		105		66-130	2		30
Tert-Butyl Alcohol	86		86		70-130	0		30
n-Propylbenzene	119		116		70-130	3		30
1,2,3-Trichlorobenzene	107		105		70-130	2		30
1,2,4-Trichlorobenzene	110		107		70-130	3		30
1,3,5-Trimethylbenzene	116		113		70-130	3		30
1,2,4-Trimethylbenzene	116		113		70-130	3		30
Methyl Acetate	91		91		51-146	0		30
Ethyl Acetate	91		91		70-130	0		30
Acrolein	96		95		70-130	1		30
Cyclohexane	120		116		59-142	3		30
1,4-Dioxane	96		96		65-136	0		30
Freon-113	121		118		50-139	3		30
p-Diethylbenzene	116		113		70-130	3		30
p-Ethyltoluene	118		114		70-130	3		30
1,2,4,5-Tetramethylbenzene	113		109		70-130	4		30
Tetrahydrofuran	93		89		66-130	4		30
Ethyl ether	115		112		67-130	3		30
trans-1,4-Dichloro-2-butene	103		100		70-130	3		30
Methyl cyclohexane	121		120		70-130	1		30
Ethyl-Tert-Butyl-Ether	108		107		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s):		02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32			Batch:	WG810999-1	WG810999-2
Tertiary-Amyl Methyl Ether	108		107		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	103		101		70-130
Dibromofluoromethane	100		100		70-130

SEMIVOLATILES

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02
Client ID: SB-25 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 13:05
Analyst: MY
Percent Solids: 98%

Date Collected: 08/03/15 08:45
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02 Date Collected: 08/03/15 08:45

Client ID: SB-25 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02 Date Collected: 08/03/15 08:45

Client ID: SB-25 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	82		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04
Client ID: SB-26 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 17:41
Analyst: MY
Percent Solids: 96%

Date Collected: 08/03/15 09:15
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	34	J	ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04 Date Collected: 08/03/15 09:15

Client ID: SB-26 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04 Date Collected: 08/03/15 09:15

Client ID: SB-26 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	109		10-136
4-Terphenyl-d14	80		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06
Client ID: SB-23 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 13:30
Analyst: MY
Percent Solids: 98%

Date Collected: 08/03/15 09:45
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06 Date Collected: 08/03/15 09:45

Client ID: SB-23 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06 Date Collected: 08/03/15 09:45

Client ID: SB-23 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	84		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08
Client ID: SB-24 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 18:06
Analyst: MY
Percent Solids: 97%

Date Collected: 08/03/15 10:15
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08 Date Collected: 08/03/15 10:15

Client ID: SB-24 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	380	56.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	240	54.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08 Date Collected: 08/03/15 10:15

Client ID: SB-24 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	47		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10
Client ID: SB-27 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 13:55
Analyst: MY
Percent Solids: 96%

Date Collected: 08/03/15 10:45
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10 Date Collected: 08/03/15 10:45

Client ID: SB-27 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10 Date Collected: 08/03/15 10:45

Client ID: SB-27 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	87		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-12	Date Collected:	08/03/15 11:15
Client ID:	SB-21 8-10	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:24
Analytical Date:	08/06/15 14:20		
Analyst:	MY		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	52.	1
Hexachlorobutadiene	ND		ug/kg	170	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	160	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12 Date Collected: 08/03/15 11:15

Client ID: SB-21 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	46.	1
2-Nitroaniline	ND		ug/kg	170	49.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	58.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	160	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12 Date Collected: 08/03/15 11:15

Client ID: SB-21 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	65		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-14	Date Collected:	08/03/15 11:45
Client ID:	SB-22 8-10	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:25
Analytical Date:	08/06/15 18:31		
Analyst:	MY		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	780		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	160	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	370		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 Date Collected: 08/03/15 11:45

Client ID: SB-22 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	300		ug/kg	100	34.	1
Benzo(a)pyrene	320		ug/kg	140	42.	1
Benzo(b)fluoranthene	390		ug/kg	100	35.	1
Benzo(k)fluoranthene	290		ug/kg	100	33.	1
Chrysene	400		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	62	J	ug/kg	100	29.	1
Benzo(ghi)perylene	220		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	340		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	79	J	ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	210		ug/kg	140	38.	1
Pyrene	630		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	160	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	100	J	ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14 Date Collected: 08/03/15 11:45

Client ID: SB-22 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	71		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16
Client ID: SB-16 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 18:56
Analyst: MY
Percent Solids: 98%

Date Collected: 08/03/15 12:15
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16 Date Collected: 08/03/15 12:15

Client ID: SB-16 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16 Date Collected: 08/03/15 12:15

Client ID: SB-16 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	77		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18
Client ID: SB-17 10-12
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 19:21
Analyst: MY
Percent Solids: 97%

Date Collected: 08/03/15 12:45
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18 Date Collected: 08/03/15 12:45

Client ID: SB-17 10-12 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	37.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	380	56.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	130	J	ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18 Date Collected: 08/03/15 12:45

Client ID: SB-17 10-12 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	63		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-20	Date Collected:	08/03/15 13:15
Client ID:	SB-18 8-10	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:25
Analytical Date:	08/06/15 19:46		
Analyst:	MY		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	57.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	57.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20 Date Collected: 08/03/15 13:15

Client ID: SB-18 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	49.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	47.	1
Dibenzofuran	ND		ug/kg	180	58.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	240	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	57.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20 Date Collected: 08/03/15 13:15

Client ID: SB-18 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	53		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-22	Date Collected:	08/03/15 13:45
Client ID:	SB-15 8-10	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:25
Analytical Date:	08/07/15 13:35		
Analyst:	MY		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	37.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	59.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	59.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	46.	1
Fluoranthene	ND		ug/kg	110	33.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	63.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	120	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	ND		ug/kg	180	60.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	47.	1
Butyl benzyl phthalate	ND		ug/kg	180	35.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	44.	1
Diethyl phthalate	ND		ug/kg	180	38.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22 Date Collected: 08/03/15 13:45

Client ID: SB-15 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	35.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	35.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	40.	1
Pyrene	ND		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	410	59.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	60.	1
2-Methylnaphthalene	ND		ug/kg	220	57.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	56.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	52.	1
2-Chlorophenol	ND		ug/kg	180	54.	1
2,4-Dichlorophenol	ND		ug/kg	160	58.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	390	56.	1
4-Nitrophenol	ND		ug/kg	250	58.	1
2,4-Dinitrophenol	ND		ug/kg	860	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	66.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	53.	1
2-Methylphenol	ND		ug/kg	180	58.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	59.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	58.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22 Date Collected: 08/03/15 13:45

Client ID: SB-15 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	92		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24
Client ID: SB-5 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/06/15 14:45
Analyst: MY
Percent Solids: 97%

Date Collected: 08/03/15 14:15
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24 Date Collected: 08/03/15 14:15

Client ID: SB-5 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24 Date Collected: 08/03/15 14:15

Client ID: SB-5 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	115		10-136
4-Terphenyl-d14	84		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-26	Date Collected:	08/03/15 14:45
Client ID:	SB-4 13-15	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:25
Analytical Date:	08/06/15 15:10		
Analyst:	MY		
Percent Solids:	95%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26 Date Collected: 08/03/15 14:45

Client ID: SB-4 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26 Date Collected: 08/03/15 14:45

Client ID: SB-4 13-15 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	84		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID:	L1518221-28	Date Collected:	08/03/15 15:15
Client ID:	SB-46 8-10	Date Received:	08/04/15
Sample Location:	425 UNION BLVD, WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/05/15 16:25
Analytical Date:	08/06/15 15:35		
Analyst:	MY		
Percent Solids:	94%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	100	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	49.	1
2-Chloronaphthalene	ND		ug/kg	180	57.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	55.	1
1,4-Dichlorobenzene	ND		ug/kg	180	53.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	53.	1
Hexachlorobutadiene	ND		ug/kg	180	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	58.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	44.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28 Date Collected: 08/03/15 15:15

Client ID: SB-46 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	180	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	46.	1
2-Nitroaniline	ND		ug/kg	180	49.	1
3-Nitroaniline	ND		ug/kg	180	48.	1
4-Nitroaniline	ND		ug/kg	180	47.	1
Dibenzofuran	ND		ug/kg	180	58.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	54.	1
Acetophenone	ND		ug/kg	180	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	52.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	240	57.	1
2,4-Dinitrophenol	ND		ug/kg	840	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	64.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28 Date Collected: 08/03/15 15:15

Client ID: SB-46 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	105		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	97		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	84		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30
Client ID: SB-6 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/07/15 16:11
Analyst: RC
Percent Solids: 89%

Date Collected: 08/03/15 15:45
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30 Date Collected: 08/03/15 15:45

Client ID: SB-6 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	58.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30 Date Collected: 08/03/15 15:45

Client ID: SB-6 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	116		23-120
2-Fluorobiphenyl	99		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	97		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D
Client ID: SB-19 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/12/15 12:22
Analyst: RC
Percent Solids: 97%

Date Collected: 08/03/15 16:15
Date Received: 08/04/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	680	170	5
1,2,4-Trichlorobenzene	ND		ug/kg	840	280	5
Hexachlorobenzene	ND		ug/kg	510	160	5
Bis(2-chloroethyl)ether	ND		ug/kg	760	240	5
2-Chloronaphthalene	ND		ug/kg	840	280	5
1,2-Dichlorobenzene	ND		ug/kg	840	280	5
1,3-Dichlorobenzene	ND		ug/kg	840	270	5
1,4-Dichlorobenzene	ND		ug/kg	840	260	5
3,3'-Dichlorobenzidine	ND		ug/kg	840	220	5
2,4-Dinitrotoluene	ND		ug/kg	840	180	5
2,6-Dinitrotoluene	ND		ug/kg	840	220	5
Fluoranthene	ND		ug/kg	510	160	5
4-Chlorophenyl phenyl ether	ND		ug/kg	840	260	5
4-Bromophenyl phenyl ether	ND		ug/kg	840	190	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	300	5
Bis(2-chloroethoxy)methane	ND		ug/kg	910	260	5
Hexachlorobutadiene	ND		ug/kg	840	240	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	540	5
Hexachloroethane	ND		ug/kg	680	150	5
Isophorone	ND		ug/kg	760	220	5
Naphthalene	ND		ug/kg	840	280	5
Nitrobenzene	ND		ug/kg	760	200	5
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	680	180	5
n-Nitrosodi-n-propylamine	ND		ug/kg	840	250	5
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	840	220	5
Butyl benzyl phthalate	ND		ug/kg	840	160	5
Di-n-butylphthalate	ND		ug/kg	840	160	5
Di-n-octylphthalate	ND		ug/kg	840	210	5
Diethyl phthalate	ND		ug/kg	840	180	5
Dimethyl phthalate	ND		ug/kg	840	210	5

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D Date Collected: 08/03/15 16:15

Client ID: SB-19 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	510	160	5
Benzo(a)pyrene	ND		ug/kg	680	210	5
Benzo(b)fluoranthene	ND		ug/kg	510	170	5
Benzo(k)fluoranthene	ND		ug/kg	510	160	5
Chrysene	ND		ug/kg	510	170	5
Acenaphthylene	ND		ug/kg	680	160	5
Anthracene	ND		ug/kg	510	140	5
Benzo(ghi)perylene	ND		ug/kg	680	180	5
Fluorene	ND		ug/kg	840	240	5
Phenanthrene	ND		ug/kg	510	160	5
Dibenzo(a,h)anthracene	ND		ug/kg	510	160	5
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	680	190	5
Pyrene	ND		ug/kg	510	160	5
Biphenyl	ND		ug/kg	1900	280	5
4-Chloroaniline	ND		ug/kg	840	220	5
2-Nitroaniline	ND		ug/kg	840	240	5
3-Nitroaniline	ND		ug/kg	840	230	5
4-Nitroaniline	ND		ug/kg	840	230	5
Dibenzofuran	ND		ug/kg	840	280	5
2-Methylnaphthalene	ND		ug/kg	1000	270	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	840	260	5
Acetophenone	ND		ug/kg	840	260	5
2,4,6-Trichlorophenol	ND		ug/kg	510	160	5
P-Chloro-M-Cresol	ND		ug/kg	840	240	5
2-Chlorophenol	ND		ug/kg	840	260	5
2,4-Dichlorophenol	ND		ug/kg	760	270	5
2,4-Dimethylphenol	ND		ug/kg	840	250	5
2-Nitrophenol	ND		ug/kg	1800	260	5
4-Nitrophenol	ND		ug/kg	1200	270	5
2,4-Dinitrophenol	ND		ug/kg	4100	1200	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	310	5
Pentachlorophenol	ND		ug/kg	680	180	5
Phenol	ND		ug/kg	840	250	5
2-Methylphenol	ND		ug/kg	840	270	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	280	5
2,4,5-Trichlorophenol	ND		ug/kg	840	270	5
Benzoic Acid	ND		ug/kg	2700	860	5
Benzyl Alcohol	ND		ug/kg	840	260	5
Carbazole	ND		ug/kg	840	180	5

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32 D Date Collected: 08/03/15 16:15

Client ID: SB-19 8-10 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	110		10-120
Nitrobenzene-d5	**125**	Q	23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	97		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 10:59
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG809351-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 10:59
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG809351-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 10:59
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG809351-1					
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	660	59.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 10:59
Analyst: MY

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 Batch: WG809351-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	97		18-120

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 17:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 30,32 Batch: WG809352-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 17:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 30,32 Batch: WG809352-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	54.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/06/15 17:04
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 08/05/15 16:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 30,32 Batch: WG809352-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	99		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	88		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28 Batch: WG809351-2 WG809351-3								
Acenaphthene	82		72		31-137	13		50
Benzidine	66		57		10-66	15		50
n-Nitrosodimethylamine	75		68		22-100	10		50
1,2,4-Trichlorobenzene	84		75		38-107	11		50
Hexachlorobenzene	83		75		40-140	10		50
Bis(2-chloroethyl)ether	81		72		40-140	12		50
2-Chloronaphthalene	83		74		40-140	11		50
1,2-Dichlorobenzene	80		70		40-140	13		50
1,3-Dichlorobenzene	79		68		40-140	15		50
1,4-Dichlorobenzene	78		68		28-104	14		50
3,3'-Dichlorobenzidine	63		59		40-140	7		50
2,4-Dinitrotoluene	**91**	Q	81		28-89	12		50
2,6-Dinitrotoluene	88		79		40-140	11		50
Fluoranthene	84		75		40-140	11		50
4-Chlorophenyl phenyl ether	83		74		40-140	11		50
4-Bromophenyl phenyl ether	84		76		40-140	10		50
Azobenzene	86		72		40-140	18		50
Bis(2-chloroisopropyl)ether	80		71		40-140	12		50
Bis(2-chloroethoxy)methane	85		75		40-117	13		50
Hexachlorobutadiene	80		71		40-140	12		50
Hexachlorocyclopentadiene	78		70		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28 Batch: WG809351-2 WG809351-3								
Hexachloroethane	80		70		40-140	13		50
Isophorone	87		76		40-140	13		50
Naphthalene	80		72		40-140	11		50
Nitrobenzene	84		74		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	84		75		36-157	11		50
n-Nitrosodi-n-propylamine	86		75		32-121	14		50
Bis(2-Ethylhexyl)phthalate	85		77		40-140	10		50
Butyl benzyl phthalate	89		80		40-140	11		50
Di-n-butylphthalate	88		78		40-140	12		50
Di-n-octylphthalate	86		78		40-140	10		50
Diethyl phthalate	85		75		40-140	13		50
Dimethyl phthalate	84		76		40-140	10		50
Benzo(a)anthracene	84		76		40-140	10		50
Benzo(a)pyrene	85		76		40-140	11		50
Benzo(b)fluoranthene	82		73		40-140	12		50
Benzo(k)fluoranthene	82		75		40-140	9		50
Chrysene	81		72		40-140	12		50
Acenaphthylene	84		75		40-140	11		50
Anthracene	84		75		40-140	11		50
Benzo(ghi)perylene	80		72		40-140	11		50
Fluorene	83		75		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28 Batch: WG809351-2 WG809351-3								
Phenanthrene	82		73		40-140	12		50
Dibenzo(a,h)anthracene	82		73		40-140	12		50
Indeno(1,2,3-cd)Pyrene	80		73		40-140	9		50
Pyrene	82		73		35-142	12		50
Biphenyl	79		71		54-104	11		50
Aniline	71		62		40-140	14		50
4-Chloroaniline	83		73		40-140	13		50
2-Nitroaniline	83		76		47-134	9		50
3-Nitroaniline	72		65		26-129	10		50
4-Nitroaniline	83		74		41-125	11		50
Dibenzofuran	81		73		40-140	10		50
2-Methylnaphthalene	85		74		40-140	14		50
1,2,4,5-Tetrachlorobenzene	78		69		40-117	12		50
Acetophenone	81		71		14-144	13		50
2,4,6-Trichlorophenol	90		80		30-130	12		50
P-Chloro-M-Cresol	86		78		26-103	10		50
2-Chlorophenol	86		76		25-102	12		50
2,4-Dichlorophenol	89		80		30-130	11		50
2,4-Dimethylphenol	87		75		30-130	15		50
2-Nitrophenol	84		75		30-130	11		50
4-Nitrophenol	81		73		11-114	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28 Batch: WG809351-2 WG809351-3								
2,4-Dinitrophenol	66		62		4-130	6		50
4,6-Dinitro-o-cresol	78		71		10-130	9		50
Pentachlorophenol	76		68		17-109	11		50
Phenol	83		72		26-90	14		50
2-Methylphenol	84		73		30-130.	14		50
3-Methylphenol/4-Methylphenol	84		74		30-130	13		50
2,4,5-Trichlorophenol	85		71		30-130	18		50
Benzoic Acid	56		53		10-66	6		50
Benzyl Alcohol	84		74		40-140	13		50
Carbazole	86		76		54-128	12		50
Benzaldehyde	88		80		40-140	10		50
Caprolactam	90		79		15-130	13		50
Atrazine	87		78		40-140	11		50
2,3,4,6-Tetrachlorophenol	84		76		40-140	10		50
Pyridine	63		56		10-93	12		50
Parathion, ethyl	90		81		40-140	11		50
1-Methylnaphthalene	87		77		26-130	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,28 Batch: WG809351-2 WG809351-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		80		25-120
Phenol-d6	95		82		10-120
Nitrobenzene-d5	94		80		23-120
2-Fluorobiphenyl	87		77		30-120
2,4,6-Tribromophenol	99		86		10-136
4-Terphenyl-d14	88		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 30,32 Batch: WG809352-2 WG809352-3								
Acenaphthene	78		80		31-137	3		50
1,2,4-Trichlorobenzene	77		77		38-107	0		50
Hexachlorobenzene	75		77		40-140	3		50
Bis(2-chloroethyl)ether	77		80		40-140	4		50
2-Chloronaphthalene	78		80		40-140	3		50
1,2-Dichlorobenzene	73		75		40-140	3		50
1,3-Dichlorobenzene	73		74		40-140	1		50
1,4-Dichlorobenzene	73		73		28-104	0		50
3,3'-Dichlorobenzidine	74		78		40-140	5		50
2,4-Dinitrotoluene	86		89		28-89	3		50
2,6-Dinitrotoluene	85		87		40-140	2		50
Fluoranthene	83		83		40-140	0		50
4-Chlorophenyl phenyl ether	75		79		40-140	5		50
4-Bromophenyl phenyl ether	77		79		40-140	3		50
Bis(2-chloroisopropyl)ether	83		85		40-140	2		50
Bis(2-chloroethoxy)methane	80		82		40-117	2		50
Hexachlorobutadiene	74		75		40-140	1		50
Hexachlorocyclopentadiene	126		127		40-140	1		50
Hexachloroethane	78		78		40-140	0		50
Isophorone	82		85		40-140	4		50
Naphthalene	76		76		40-140	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 30,32 Batch: WG809352-2 WG809352-3								
Nitrobenzene	91		91		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	82		84		36-157	2		50
n-Nitrosodi-n-propylamine	85		88		32-121	3		50
Bis(2-Ethylhexyl)phthalate	78		81		40-140	4		50
Butyl benzyl phthalate	78		78		40-140	0		50
Di-n-butylphthalate	84		85		40-140	1		50
Di-n-octylphthalate	78		80		40-140	3		50
Diethyl phthalate	86		87		40-140	1		50
Dimethyl phthalate	83		84		40-140	1		50
Benzo(a)anthracene	81		84		40-140	4		50
Benzo(a)pyrene	70		72		40-140	3		50
Benzo(b)fluoranthene	75		79		40-140	5		50
Benzo(k)fluoranthene	76		76		40-140	0		50
Chrysene	78		80		40-140	3		50
Acenaphthylene	83		84		40-140	1		50
Anthracene	89		91		40-140	2		50
Benzo(ghi)perylene	67		70		40-140	4		50
Fluorene	82		83		40-140	1		50
Phenanthrene	77		80		40-140	4		50
Dibenzo(a,h)anthracene	66		68		40-140	3		50
Indeno(1,2,3-cd)Pyrene	66		69		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 30,32 Batch: WG809352-2 WG809352-3								
Pyrene	82		84		35-142	2		50
Biphenyl	84		85		54-104	1		50
4-Chloroaniline	101		102		40-140	1		50
2-Nitroaniline	86		88		47-134	2		50
3-Nitroaniline	77		80		26-129	4		50
4-Nitroaniline	90		93		41-125	3		50
Dibenzofuran	78		80		40-140	3		50
2-Methylnaphthalene	80		81		40-140	1		50
1,2,4,5-Tetrachlorobenzene	77		79		40-117	3		50
Acetophenone	89		92		14-144	3		50
2,4,6-Trichlorophenol	81		83		30-130	2		50
P-Chloro-M-Cresol	94		96		26-103	2		50
2-Chlorophenol	85		87		25-102	2		50
2,4-Dichlorophenol	90		92		30-130	2		50
2,4-Dimethylphenol	88		93		30-130	6		50
2-Nitrophenol	90		93		30-130	3		50
4-Nitrophenol	91		92		11-114	1		50
2,4-Dinitrophenol	88		95		4-130	8		50
4,6-Dinitro-o-cresol	93		96		10-130	3		50
Pentachlorophenol	84		84		17-109	0		50
Phenol	86		90		26-90	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 30,32 Batch: WG809352-2 WG809352-3								
2-Methylphenol	86		89		30-130.	3		50
3-Methylphenol/4-Methylphenol	96		98		30-130	2		50
2,4,5-Trichlorophenol	82		84		30-130	2		50
Benzoic Acid	59		61		10-66	3		50
Benzyl Alcohol	84		90		40-140	7		50
Carbazole	85		85		54-128	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		89		25-120
Phenol-d6	89		89		10-120
Nitrobenzene-d5	94		94		23-120
2-Fluorobiphenyl	81		80		30-120
2,4,6-Tribromophenol	81		82		10-136
4-Terphenyl-d14	79		77		18-120

METALS

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-01 Date Collected: 08/03/15 08:30

Client ID: SB-25 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.9		mg/kg	0.41	0.08	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	0.41	0.12	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.41	0.03	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Chromium, Total	7.4		mg/kg	0.41	0.08	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Iron, Total	7000		mg/kg	2.0	0.82	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Lead, Total	0.91	J	mg/kg	2.0	0.08	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:33	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT
Zinc, Total	9.3		mg/kg	2.0	0.29	1	08/05/15 15:48	08/06/15 22:00	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-03 Date Collected: 08/03/15 09:00

Client ID: SB-26 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.7		mg/kg	0.46	0.09	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Barium, Total	31		mg/kg	0.46	0.14	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Cadmium, Total	0.03	J	mg/kg	0.46	0.03	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.46	0.09	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.3	0.91	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Lead, Total	1.9	J	mg/kg	2.3	0.09	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/06/15 09:30	08/06/15 21:40	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.91	0.14	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.46	0.09	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT
Zinc, Total	18		mg/kg	2.3	0.32	1	08/05/15 15:48	08/07/15 00:09	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-05 Date Collected: 08/03/15 09:30

Client ID: SB-23 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.4		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Barium, Total	24		mg/kg	0.41	0.12	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Cadmium, Total	0.03	J	mg/kg	0.41	0.03	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	2.0	0.82	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Lead, Total	0.40	J	mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:41	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT
Zinc, Total	16		mg/kg	2.0	0.29	1	08/05/15 15:48	08/07/15 00:12	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-07 Date Collected: 08/03/15 10:00

Client ID: SB-24 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	6.5		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.41	0.12	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Cadmium, Total	0.21	J	mg/kg	0.41	0.03	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.0	0.82	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Lead, Total	3.1		mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Mercury, Total	0.06	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:43	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT
Zinc, Total	15		mg/kg	2.0	0.28	1	08/05/15 15:48	08/07/15 00:16	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-09 Date Collected: 08/03/15 10:30

Client ID: SB-27 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Barium, Total	12		mg/kg	0.40	0.12	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Chromium, Total	5.6		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Iron, Total	5700		mg/kg	2.0	0.79	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Lead, Total	1.1	J	mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:45	EPA 7471B	1,7471B	EA
Selenium, Total	0.14	J	mg/kg	0.79	0.12	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT
Zinc, Total	8.8		mg/kg	2.0	0.28	1	08/05/15 15:48	08/07/15 00:20	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-11 Date Collected: 08/03/15 11:00

Client ID: SB-21 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.8		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Barium, Total	20		mg/kg	0.40	0.12	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Cadmium, Total	4.5		mg/kg	0.40	0.03	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Chromium, Total	8.6		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Iron, Total	8300		mg/kg	2.0	0.80	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Lead, Total	0.18	J	mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	08/06/15 09:30	08/06/15 21:50	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT
Zinc, Total	12		mg/kg	2.0	0.28	1	08/05/15 15:48	08/07/15 00:23	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-13 Date Collected: 08/03/15 11:30

Client ID: SB-22 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.5		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Barium, Total	16		mg/kg	0.42	0.12	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Cadmium, Total	16		mg/kg	0.42	0.03	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Chromium, Total	17		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Iron, Total	6300		mg/kg	2.1	0.84	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Lead, Total	19		mg/kg	2.1	0.08	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Mercury, Total	0.10		mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:52	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT
Zinc, Total	33		mg/kg	2.1	0.29	1	08/05/15 15:48	08/07/15 00:27	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-15 Date Collected: 08/03/15 12:00

Client ID: SB-16 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.8		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Barium, Total	26		mg/kg	0.42	0.12	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Cadmium, Total	3.6		mg/kg	0.42	0.03	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	2.1	0.83	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Lead, Total	2.0	J	mg/kg	2.1	0.08	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/06/15 09:30	08/06/15 21:54	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT
Zinc, Total	24		mg/kg	2.1	0.29	1	08/05/15 15:48	08/07/15 00:31	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-17 Date Collected: 08/03/15 12:30

Client ID: SB-17 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Barium, Total	12		mg/kg	0.40	0.12	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Cadmium, Total	0.63		mg/kg	0.40	0.03	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Chromium, Total	4.9		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Iron, Total	5000		mg/kg	2.0	0.81	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Lead, Total	2.5		mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:55	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.81	0.12	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT
Zinc, Total	9.8		mg/kg	2.0	0.28	1	08/05/15 15:48	08/07/15 00:34	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-19 Date Collected: 08/03/15 13:00

Client ID: SB-18 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	6.0		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Barium, Total	28		mg/kg	0.41	0.12	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Cadmium, Total	17		mg/kg	0.41	0.03	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Chromium, Total	24		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Iron, Total	7800		mg/kg	2.0	0.82	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Lead, Total	60		mg/kg	2.0	0.08	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Mercury, Total	0.09		mg/kg	0.07	0.01	1	08/06/15 09:30	08/06/15 21:57	EPA 7471B	1,7471B	EA
Selenium, Total	0.28	J	mg/kg	0.82	0.12	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT
Zinc, Total	54		mg/kg	2.0	0.29	1	08/05/15 15:48	08/07/15 00:53	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-21 Date Collected: 08/03/15 13:30

Client ID: SB-15 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.7		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Barium, Total	33		mg/kg	0.43	0.13	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Iron, Total	9800		mg/kg	2.1	0.85	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Lead, Total	1.0	J	mg/kg	2.1	0.09	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 21:59	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT
Zinc, Total	13		mg/kg	2.1	0.30	1	08/05/15 15:48	08/07/15 00:57	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-23 Date Collected: 08/03/15 14:00

Client ID: SB-5 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	7.0		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Barium, Total	33		mg/kg	0.42	0.13	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Cadmium, Total	45		mg/kg	0.42	0.03	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Chromium, Total	18		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.1	0.84	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Lead, Total	31		mg/kg	2.1	0.08	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 22:00	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.84	0.13	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.08	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT
Zinc, Total	62		mg/kg	2.1	0.29	1	08/05/15 15:48	08/07/15 01:00	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-25 Date Collected: 08/03/15 14:30

Client ID: SB-4 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.4		mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Barium, Total	28		mg/kg	0.44	0.13	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Cadmium, Total	0.07	J	mg/kg	0.44	0.03	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	2.2	0.88	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.05	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 22:18	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT
Zinc, Total	13		mg/kg	2.2	0.31	1	08/05/15 15:48	08/07/15 01:04	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-27 Date Collected: 08/03/15 15:00

Client ID: SB-46 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.8		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Barium, Total	29		mg/kg	0.43	0.13	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Cadmium, Total	71		mg/kg	0.43	0.03	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Iron, Total	9800		mg/kg	2.1	0.86	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Lead, Total	0.23	J	mg/kg	2.1	0.09	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 22:20	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.86	0.13	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT
Zinc, Total	15		mg/kg	2.1	0.30	1	08/05/15 15:48	08/07/15 01:08	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-29 Date Collected: 08/03/15 15:30

Client ID: SB-6 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.4		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Barium, Total	27		mg/kg	0.43	0.13	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Cadmium, Total	0.16	J	mg/kg	0.43	0.03	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.1	0.86	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Lead, Total	1.3	J	mg/kg	2.1	0.09	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/06/15 09:30	08/06/15 22:22	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.86	0.13	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT
Zinc, Total	14		mg/kg	2.1	0.30	1	08/05/15 15:48	08/07/15 01:11	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-31 Date Collected: 08/03/15 16:00

Client ID: SB-19 0-2 Date Received: 08/04/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	23		mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Barium, Total	43		mg/kg	0.44	0.13	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Cadmium, Total	44		mg/kg	0.44	0.03	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Chromium, Total	130		mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Iron, Total	51000		mg/kg	2.2	0.87	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Mercury, Total	0.07	J	mg/kg	0.08	0.02	1	08/06/15 09:30	08/06/15 22:27	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.87	0.13	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Silver, Total	0.20	J	mg/kg	0.44	0.09	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT
Zinc, Total	67		mg/kg	2.2	0.30	1	08/05/15 15:48	08/07/15 01:15	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG809306-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/05/15 15:48	08/06/15 21:53	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG809516-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/06/15 09:30	08/06/15 21:29	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG809306-2 SRM Lot Number: D088-540								
Arsenic, Total	105		-		79-121	-		
Barium, Total	99		-		83-117	-		
Cadmium, Total	95		-		83-117	-		
Chromium, Total	101		-		80-120	-		
Iron, Total	96		-		45-155	-		
Lead, Total	87		-		81-117	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	100		-		75-124	-		
Zinc, Total	97		-		82-118	-		
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG809516-2 SRM Lot Number: D088-540								
Mercury, Total	107		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG809306-4 QC Sample: L1518221-01 Client ID: SB-25 0-2												
Arsenic, Total	3.9	9.41	13	97		-	-		75-125	-		20
Barium, Total	19.	157	170	96		-	-		75-125	-		20
Cadmium, Total	ND	4	4.0	100		-	-		75-125	-		20
Chromium, Total	7.4	15.7	22	93		-	-		75-125	-		20
Iron, Total	7000	78.4	6000	**0**	Q	-	-		75-125	-		20
Lead, Total	0.91J	40	38	95		-	-		75-125	-		20
Selenium, Total	ND	9.41	9.0	96		-	-		75-125	-		20
Silver, Total	ND	23.5	24	102		-	-		75-125	-		20
Zinc, Total	9.3	39.2	46	94		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG809516-4 QC Sample: L1518221-01 Client ID: SB-25 0-2												
Mercury, Total	0.03J	0.137	0.22	**160**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG809306-3 QC Sample: L1518221-01 Client ID: SB-25 0-2						
Arsenic, Total	3.9	3.8	mg/kg	3		20
Barium, Total	19.	20	mg/kg	5		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	7.4	7.3	mg/kg	1		20
Iron, Total	7000	6700	mg/kg	4		20
Lead, Total	0.91J	0.66J	mg/kg	NC		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	9.3	8.4	mg/kg	10		20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG809516-3 QC Sample: L1518221-01 Client ID: SB-25 0-2						
Mercury, Total	0.03J	0.03J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-01
Client ID: SB-25 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 08:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.7		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/05/15 12:20	08/05/15 15:59	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-02
Client ID: SB-25 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 08:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.1		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-03
Client ID: SB-26 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 09:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.2	0.27	1	08/05/15 12:20	08/05/15 16:03	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-04
Client ID: SB-26 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 09:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-05
Client ID: SB-23 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 09:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	0.66	J	mg/kg	0.98	0.23	1	08/05/15 12:20	08/05/15 16:04	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-06
Client ID: SB-23 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 09:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-07
Client ID: SB-24 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 10:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/05/15 12:20	08/05/15 16:05	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-08
Client ID: SB-24 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 10:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.4		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-09
Client ID: SB-27 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 10:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	0.98	0.23	1	08/05/15 12:20	08/05/15 16:23	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-10
Client ID: SB-27 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 10:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-11
Client ID: SB-21 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 11:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/05/15 12:20	08/05/15 16:06	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-12
Client ID: SB-21 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 11:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.9		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-13
Client ID: SB-22 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 11:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	2.5		mg/kg	1.0	0.24	1	08/05/15 12:20	08/05/15 16:07	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-14
Client ID: SB-22 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 11:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-15
Client ID: SB-16 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 12:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.0		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/05/15 12:20	08/05/15 16:08	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-16
Client ID: SB-16 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 12:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-17
Client ID: SB-17 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 12:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.8		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	0.97	0.23	1	08/05/15 12:20	08/05/15 16:09	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-18
Client ID: SB-17 10-12
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 12:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.9		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-19
Client ID: SB-18 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 13:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	1.8		mg/kg	1.0	0.24	1	08/05/15 12:20	08/05/15 16:09	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-20
Client ID: SB-18 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 13:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-21
Client ID: SB-15 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 13:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/05/15 12:20	08/05/15 16:10	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-22
Client ID: SB-15 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 13:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-23
Client ID: SB-5 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 14:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	0.44	J	mg/kg	1.1	0.25	1	08/05/15 12:20	08/05/15 16:14	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-24
Client ID: SB-5 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 14:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.1		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-25
Client ID: SB-4 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 14:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.8		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	0.60	J	mg/kg	1.1	0.25	1	08/05/15 12:20	08/05/15 16:15	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-26
Client ID: SB-4 13-15
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 14:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-27
Client ID: SB-46 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 15:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	2.3		mg/kg	1.1	0.26	1	08/05/15 12:20	08/05/15 16:16	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-28
Client ID: SB-46 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 15:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-29
Client ID: SB-6 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 15:30
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	0.31	J	mg/kg	1.0	0.25	1	08/05/15 12:20	08/05/15 16:16	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-30
Client ID: SB-6 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 15:45
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-31
Client ID: SB-19 0-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 16:00
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	08/05/15 15:16	30,2540G	AB
Cyanide, Total	0.77	J	mg/kg	1.1	0.26	1	08/05/15 12:20	08/05/15 16:23	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

SAMPLE RESULTS

Lab ID: L1518221-32
Client ID: SB-19 8-10
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/03/15 16:15
Date Received: 08/04/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.4		%	0.100	NA	1	-	08/05/15 20:02	30,2540G	RT

Project Name: 7655 **Lab Number:** L1518221

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG809196-1										
Cyanide, Total	ND		mg/kg	0.98	0.23	1	08/05/15 12:20	08/05/15 15:54	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 21,23,25,27,29,31 Batch: WG809197-1										
Cyanide, Total	ND		mg/kg	0.98	0.23	1	08/05/15 12:20	08/05/15 15:55	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518221

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19 Batch: WG809196-2 WG809196-3								
Cyanide, Total	106		97		80-120	6		35
General Chemistry - Westborough Lab Associated sample(s): 21,23,25,27,29,31 Batch: WG809197-2 WG809197-3								
Cyanide, Total	107		98		80-120	7		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19 QC Batch ID: WG809196-4 WG809196-5 QC Sample: L1518221-01 Client ID: SB-25 0-2												
Cyanide, Total	ND	10	10	97		9.4	95		65-135	6		35
General Chemistry - Westborough Lab Associated sample(s): 21,23,25,27,29,31 QC Batch ID: WG809197-4 WG809197-5 QC Sample: L1518221-21 Client ID: SB-15 0-2												
Cyanide, Total	ND	11	9.5	89		10	93		65-135	5		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG809327-1 QC Sample: L1518353-01 Client ID: DUP Sample						
Solids, Total	49.4	49.1	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24,26,2 QC Batch ID: WG809417-1 QC Sample: L1518221-02 Client ID: SB-25 8-10						
Solids, Total	98.1	97.8	%	0		20

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518221-01A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-02A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	NYTCL-8270(14)
L1518221-02B	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518221-02C	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	TS(7)
L1518221-03A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-04A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	NYTCL-8270(14)
L1518221-04B	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518221-04C	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	TS(7)
L1518221-05A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-06A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	NYTCL-8270(14)
L1518221-06B	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518221-06C	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	TS(7)
L1518221-07A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-08A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	NYTCL-8270(14)
L1518221-08B	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518221-08C	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518221-09A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-10A	Glass 250ml/8oz unpreserved	B	N/A	2.4	Y	Absent	NYTCL-8270(14)
L1518221-10B	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518221-10C	Vial Large Septa unpreserved (4o	B	N/A	2.4	Y	Absent	TS(7)
L1518221-11A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-12A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)
L1518221-12B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518221-12C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)
L1518221-13A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-14A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)
L1518221-14B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518221-14C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)
L1518221-15A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-16A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)
L1518221-16B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518221-16C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)
L1518221-17A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-18A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)
L1518221-18B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518221-18C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)
L1518221-19A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-20A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)
L1518221-20B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518221-20C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)
L1518221-21A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-22A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14)
L1518221-22B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518221-22C	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	TS(7)
L1518221-23A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-24A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14)
L1518221-24B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518221-24C	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	TS(7)
L1518221-25A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-26A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14)
L1518221-26B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518221-26C	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	TS(7)
L1518221-27A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-28A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14)
L1518221-28B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518221-28C	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	TS(7)
L1518221-29A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-30A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14)
L1518221-30B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518221-30C	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	TS(7)
L1518221-31A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518221-32A	Glass 250ml/8oz unpreserved	A	N/A	3.8	Y	Absent	NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518221
Report Date: 08/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518221-32B	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518221-32C	Vial Large Septa unpreserved (4o	A	N/A	3.8	Y	Absent	TS(7)

Container Comments

L1518221-12B

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1518221
Project Number:	7655	**Report Date:**	08/12/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518221
Project Number:	7655	**Report Date:**	08/12/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518221
Project Number:	7655	**Report Date:**	08/12/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1518221

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of ~~4~~

Serial_No:08121517:00

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com~~ AND mblight@impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample ~~Type~~ Date	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL (BNA) List	RCRA Total Metals (6010/7470)	Total Iron/Zinc (6010)	Total Cyanide 9010B
	1 SB-25 0-2	S	G	8/3/15	08:30	1		1												X	X	X
	2 SB-25 8-10	S	G	8/3/15	08:45	3		3										X	X			
	3 SB-26 0-2	S	G	8/3/15	09:00	1		1												X	X	X
	4 SB-26 13-15	S	G	8/3/15	09:15	3		3										X	X			
	5 SB-23 0-2	S	G	8/3/15	09:30	1		1												X	X	X
	6 SB-23 13-15	S	G	8/3/15	09:45	3		3										X	X			
	7 SB-~~24~~ 0-2	S	G	8/3/15	10:00	1		1												X	X	X
	8 SB-~~24~~ 13-15	S	G	8/3/15	10:15	3		3										X	X			
	9 SB-27 0-2	S	G	8/3/15	10:30	1		1												X	X	X
	10 SB-27 8-10	S	G	8/3/15	10:45	3		3										X	X			

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 M. Blight	1 8/4/15 1230	1 [signature] AAL	2 [signature]	2 8-4-15 1910	2 Tom Tobin 8-4-15 1910
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3 Tom Tobin	3 8/5/15 0100	3 [signature] AAL	4	4	4
Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5	5	5	Cooler Temp:	pH:	[ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518221

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 2 of 3

Serial_No:08121517:00

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com AND~~ mblight @impactenvironmental.com

Project Information

Project Name: 7655
Street: 435 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M-OBLA

Analytical Information

Impact Analytical Package A*
Impact Analytical Package B**
VOCs 8260 (List for NY Part 375 & NJ DCSRS)
SPLP (Mark 'H' in box for 'Hold')
NYCDEP Sewer Discharge Parameters
VOCs 8260 TAL/Total List
SVOCs 8270 TAL/Total List (BNA)
RCRA Total Metals 6010/7470
Total Iron/Zinc 6010
Total Cyanide 9010B

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Matrix Code	Sample Type	Sample Collection: ~~Sample Type~~ Date	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)
	1 SB-21 0-2	S	G	8/3/15	11:00	1		1				
	2 SB-21 8-10	S	G	8/3/15	11:15	2		2				
	3 SB-22 0-2	S	G	8/3/15	11:30	1		1				
	4 SB-22 8-10	S	G	8/3/15	11:45	2		2				
	5 SB-16 0-2	S	G	8/3/15	12:00	1		1				
	6 SB-16 8-10	S	G	8/3/15	12:15	2		2				
	7 SB-17 0-2	S	G	8/3/15	12:30	1		1				
	8 SB-17 10-12	S	G	8/3/15	12:45	2		2				
	9 SB-18 0-2	S	G	8/3/15	13:00	1		1				
	10 SB-18 8-10	S	G	8/3/15	13:15	2		2				

Turnaround Time (Business Days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [x] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M-OBLA	8/4/15 1230			8-4-15 1910	Tom Tobin 8-4-15 1910
2	Relinquished by: Tom Tobin	Date / Time: 8/5/15 0100	Received By: AAL	Relinquished By:	Date / Time:	Received By:
3	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
4	Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5				Cooler Temp:	pH:	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518221

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 3 of 4

Serial_No:08121517:00

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Blvd
City	Bohemia	**City**	West Islip — **State** NY — **Zip**
Project Contact	~~Waste Analyst AND~~ M. Blvight	**Project #**	7655
Phone #	631-269-8800 — **Fax #** 631-269-1599	**Sampler's Name**	M. Blvight
E-mail	~~Analyst@impactenvironmental.com~~ AND mblvight @impactenvironmental.com	**Sampler's Signature**	[signature]

Matrix Codes: L - Liquid, S - Soil, A - Air, OL - Oil, W - Wipe, PC - Paint Chips, SL - Sludge, SD - Solid, DW- Drinking Water, DISS - Dissolved

Sample Type: G=Grab, C=Composite, B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL List (BNA)	RCRA Total Metals 6010/7470	Total Iron/Zinc 6010	Total Cyanide 9010 B		(LAB USE ONLY)
1	SB-15 0-2	S	G	8/3/15	13:30	1		1												X	X	X		
2	SB-15 8-10	S	G	8/3/15	13:45	2		2										X	X					
3	SB-5 0-2	S	G	8/3/15	14:00	1		1												X	X	X		
4	SB-5 8-10	S	G	8/3/15	14:15	2		2										X	X					
5	SB-4 0-2	S	G	8/3/15	14:30	1		1												X	X	X		
6	SB-4 13-15	S	G	8/3/15	14:45	2		2										X	X					
7	SB-46 0-2	S	G	8/3/15	15:00	1		1												X	X	X		
8	SB-46 8-10	S	G	8/3/15	15:15	2		2										X	X					
9	SB-6 0-2	S	G	8/3/15	15:30	1		1												X	X	X		
10	SB-6 8-10	S	G	8/3/15	15:45	2		2										X	X					

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____________
- [ ] EDD Format____________

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by	Date / Time	Received By	Relinquished By	Date / Time	Received By
1 (Sampler) [signature]	1 8/4/15 1230	1 [signature] AAL	2 [signature]	2 8-4-15 1910	2 Tom Tobin 8-4-15 1910
3 Tom Tobin	3 8/5/15 0100	3 [signature] AAL	4	4	4
5	5	5			

COOLER INFORMATION
Cooler Temp:________ pH:________ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518221

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1598

Serial No:08121517:08

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com AND~~ mblight @impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type Date	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL List (BNA)	6010/7470 RCRA Total Metals	Total Iron/Zinc 6010	Total Cyanide 9010B
	1 SB-19 0-2	S	G	8/3/15	16:00	1		1												X	X	X
	2 SB-19 8-10	S	G	8/3/15	16:15	2		2										X	X			
	3																					
	4																					
	5																					
	6																					
	7																					
	8																					
	9																					
	10																					

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
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- [ ] PA QC Package
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- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8/4/15 1230			8-4-15 1910	8-4-15 1910
2	Tom Tobin	8/5/15 0100				
3						
4						
5						

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1518362
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/12/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518362-01	TMP-5	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 08:15	08/05/15
L1518362-02	TMP-7	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 08:45	08/05/15
L1518362-03	TMP-6	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 09:15	08/05/15
L1518362-04	TMP-3	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 09:45	08/05/15
L1518362-05	TMP-1	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 10:30	08/05/15
L1518362-06	TMP-2	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 10:50	08/05/15
L1518362-07	TMP-4	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 11:20	08/05/15
L1518362-08	TMP-8	WATER	425 UNION BLVD, WEST ISLIP, NY	08/04/15 11:40	08/05/15

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 08/12/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-01
Client ID: TMP-5
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 18:09
Analyst: PD

Date Collected: 08/04/15 08:15
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.23	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-01 Date Collected: 08/04/15 08:15

Client ID: TMP-5 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.9	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-01 Date Collected: 08/04/15 08:15

Client ID: TMP-5 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-02
Client ID: TMP-7
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 18:46
Analyst: PD

Date Collected: 08/04/15 08:45
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.97	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-02 Date Collected: 08/04/15 08:45

Client ID: TMP-7 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-02 Date Collected: 08/04/15 08:45

Client ID: TMP-7 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-03
Client ID: TMP-6
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 19:23
Analyst: PD

Date Collected: 08/04/15 09:15
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-03 Date Collected: 08/04/15 09:15

Client ID: TMP-6 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-03 Date Collected: 08/04/15 09:15

Client ID: TMP-6 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	82		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-04
Client ID: TMP-3
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 20:00
Analyst: PD

Date Collected: 08/04/15 09:45
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-04 Date Collected: 08/04/15 09:45

Client ID: TMP-3 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-04 Date Collected: 08/04/15 09:45

Client ID: TMP-3 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-05
Client ID: TMP-1
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 12:02
Analyst: PD

Date Collected: 08/04/15 10:30
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-05 Date Collected: 08/04/15 10:30

Client ID: TMP-1 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-05 Date Collected: 08/04/15 10:30

Client ID: TMP-1 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-06
Client ID: TMP-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 12:37
Analyst: PD

Date Collected: 08/04/15 10:50
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-06 Date Collected: 08/04/15 10:50

Client ID: TMP-2 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-06 Date Collected: 08/04/15 10:50

Client ID: TMP-2 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-07
Client ID: TMP-4
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 13:13
Analyst: PD

Date Collected: 08/04/15 11:20
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.8	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.90		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-07 Date Collected: 08/04/15 11:20

Client ID: TMP-4 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-07 Date Collected: 08/04/15 11:20

Client ID: TMP-4 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-08
Client ID: TMP-8
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/10/15 13:50
Analyst: PD

Date Collected: 08/04/15 11:40
Date Received: 08/05/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.2	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-08 Date Collected: 08/04/15 11:40

Client ID: TMP-8 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

SAMPLE RESULTS

Lab ID: L1518362-08 Date Collected: 08/04/15 11:40

Client ID: TMP-8 Date Received: 08/05/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG810784-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG810784-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.63
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG810784-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:21
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-08 Batch: WG810784-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG810799-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG810799-3					
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG810799-3					
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Iodomethane	ND		ug/l	5.0	5.0

Project Name: 7655 **Lab Number:** L1518362

Project Number: 7655 **Report Date:** 08/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/10/15 11:14
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG810799-3					
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518362

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG810784-1 WG810784-2								
Methylene chloride	102		91		70-130	11		20
1,1-Dichloroethane	103		93		70-130	10		20
Chloroform	95		86		70-130	10		20
2-Chloroethylvinyl ether	84		80		70-130	5		20
Carbon tetrachloride	119		112		63-132	6		20
1,2-Dichloropropane	96		88		70-130	9		20
Dibromochloromethane	81		75		63-130	8		20
1,1,2-Trichloroethane	93		88		70-130	6		20
Tetrachloroethene	86		78		70-130	10		20
Chlorobenzene	86		80		75-130	7		20
Trichlorofluoromethane	105		93		62-150	12		20
1,2-Dichloroethane	98		90		70-130	9		20
1,1,1-Trichloroethane	87		80		67-130	8		20
Bromodichloromethane	89		81		67-130	9		20
trans-1,3-Dichloropropene	79		72		70-130	9		20
cis-1,3-Dichloropropene	81		74		70-130	9		20
1,1-Dichloropropene	93		86		70-130	8		20
Bromoform	82		76		54-136	8		20
1,1,2,2-Tetrachloroethane	94		91		67-130	3		20
Benzene	90		83		70-130	8		20
Toluene	89		83		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518362

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG810784-1 WG810784-2								
Ethylbenzene	91		84		70-130	8		20
Chloromethane	88		97		64-130	10		20
Bromomethane	130		117		39-139	11		20
Vinyl chloride	102		96		55-140	6		20
Chloroethane	**142**	Q	**141**	Q	55-138	1		20
1,1-Dichloroethene	91		82		61-145	10		20
trans-1,2-Dichloroethene	94		82		70-130	14		20
Trichloroethene	92		84		70-130	9		20
1,2-Dichlorobenzene	88		80		70-130	10		20
1,3-Dichlorobenzene	88		80		70-130	10		20
1,4-Dichlorobenzene	87		80		70-130	8		20
Methyl tert butyl ether	93		86		63-130	8		20
p/m-Xylene	90		84		70-130	7		20
o-Xylene	89		83		70-130	7		20
cis-1,2-Dichloroethene	94		82		70-130	14		20
Dibromomethane	92		86		70-130	7		20
1,2,3-Trichloropropane	95		91		64-130	4		20
Acrylonitrile	101		95		70-130	6		20
Diisopropyl Ether	99		90		70-130	10		20
Tert-Butyl Alcohol	76		80		70-130	5		20
Styrene	83		77		70-130	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG810784-1 WG810784-2								
Dichlorodifluoromethane	99		92		36-147	7		20
Acetone	82		70		58-148	16		20
Carbon disulfide	94		82		51-130	14		20
2-Butanone	99		96		63-138	3		20
Vinyl acetate	**65**	Q	**61**	Q	70-130	6		20
4-Methyl-2-pentanone	97		92		59-130	5		20
2-Hexanone	102		98		57-130	4		20
Acrolein	102		96		40-160	6		20
Bromochloromethane	103		94		70-130	9		20
2,2-Dichloropropane	124		115		63-133	8		20
1,2-Dibromoethane	88		82		70-130	7		20
1,3-Dichloropropane	91		86		70-130	6		20
1,1,1,2-Tetrachloroethane	80		74		64-130	8		20
Bromobenzene	88		82		70-130	7		20
n-Butylbenzene	100		88		53-136	13		20
sec-Butylbenzene	97		86		70-130	12		20
tert-Butylbenzene	92		83		70-130	10		20
o-Chlorotoluene	93		85		70-130	9		20
p-Chlorotoluene	96		87		70-130	10		20
1,2-Dibromo-3-chloropropane	92		88		41-144	4		20
Hexachlorobutadiene	95		83		63-130	13		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG810784-1 WG810784-2								
Isopropylbenzene	88		81		70-130	8		20
p-Isopropyltoluene	96		84		70-130	13		20
Naphthalene	91		88		70-130	3		20
n-Propylbenzene	100		90		69-130	11		20
1,2,3-Trichlorobenzene	90		84		70-130	7		20
1,2,4-Trichlorobenzene	92		85		70-130	8		20
1,3,5-Trimethylbenzene	97		86		64-130	12		20
1,2,4-Trimethylbenzene	97		87		70-130	11		20
Methyl Acetate	94		91		70-130	3		20
Ethyl Acetate	95		92		70-130	3		20
Cyclohexane	92		84		70-130	9		20
Ethyl-Tert-Butyl-Ether	101		98		70-130	3		20
Tertiary-Amyl Methyl Ether	79		77		66-130	3		20
1,4-Dioxane	97		78		56-162	**22**	Q	20
Freon-113	91		84		70-130	8		20
p-Diethylbenzene	90		81		70-130	11		20
p-Ethyltoluene	98		88		70-130	11		20
1,2,4,5-Tetramethylbenzene	94		84		70-130	11		20
Ethyl ether	94		88		59-134	7		20
trans-1,4-Dichloro-2-butene	90		84		70-130	7		20
Iodomethane	**24**	Q	**30**	Q	70-130	**22**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05-08 Batch: WG810784-1 WG810784-2								
Methyl cyclohexane	91		80		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	97		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518362

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG810799-1 WG810799-2								
Methylene chloride	105		101		70-130	4		20
1,1-Dichloroethane	104		99		70-130	5		20
Chloroform	103		100		70-130	3		20
2-Chloroethylvinyl ether	92		90		70-130	2		20
Carbon tetrachloride	116		110		63-132	5		20
1,2-Dichloropropane	110		104		70-130	6		20
Dibromochloromethane	107		101		63-130	6		20
1,1,2-Trichloroethane	104		101		70-130	3		20
Tetrachloroethene	111		106		70-130	5		20
Chlorobenzene	101		97		75-130	4		20
Trichlorofluoromethane	100		99		62-150	1		20
1,2-Dichloroethane	102		96		70-130	6		20
1,1,1-Trichloroethane	102		99		67-130	3		20
Bromodichloromethane	104		97		67-130	7		20
trans-1,3-Dichloropropene	103		99		70-130	4		20
cis-1,3-Dichloropropene	108		102		70-130	6		20
1,1-Dichloropropene	99		94		70-130	5		20
Bromoform	99		98		54-136	1		20
1,1,2,2-Tetrachloroethane	89		88		67-130	1		20
Benzene	115		109		70-130	5		20
Toluene	100		95		70-130	5		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG810799-1 WG810799-2								
Ethylbenzene	97		92		70-130	5		20
Chloromethane	86		82		64-130	5		20
Bromomethane	83		79		39-139	5		20
Vinyl chloride	92		88		55-140	4		20
Chloroethane	115		109		55-138	5		20
1,1-Dichloroethene	105		104		61-145	1		20
trans-1,2-Dichloroethene	112		109		70-130	3		20
Trichloroethene	104		100		70-130	4		20
1,2-Dichlorobenzene	91		88		70-130	3		20
1,3-Dichlorobenzene	91		88		70-130	3		20
1,4-Dichlorobenzene	91		87		70-130	4		20
Methyl tert butyl ether	102		99		63-130	3		20
p/m-Xylene	101		96		70-130	5		20
o-Xylene	100		94		70-130	6		20
cis-1,2-Dichloroethene	108		106		70-130	2		20
Dibromomethane	113		108		70-130	5		20
1,2,3-Trichloropropane	88		87		64-130	1		20
Acrylonitrile	100		99		70-130	1		20
Diisopropyl Ether	91		87		70-130	4		20
Tert-Butyl Alcohol	99		108		70-130	9		20
Styrene	104		98		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG810799-1 WG810799-2								
Dichlorodifluoromethane	**168**	Q	**161**	Q	36-147	4		20
Acetone	86		80		58-148	7		20
Carbon disulfide	96		92		51-130	4		20
2-Butanone	93		95		63-138	2		20
Vinyl acetate	89		90		70-130	1		20
4-Methyl-2-pentanone	90		97		59-130	7		20
2-Hexanone	64		66		57-130	3		20
Bromochloromethane	119		116		70-130	3		20
2,2-Dichloropropane	116		111		63-133	4		20
1,2-Dibromoethane	100		98		70-130	2		20
1,3-Dichloropropane	100		97		70-130	3		20
1,1,1,2-Tetrachloroethane	108		103		64-130	5		20
Bromobenzene	95		92		70-130	3		20
n-Butylbenzene	77		75		53-136	3		20
sec-Butylbenzene	84		81		70-130	4		20
tert-Butylbenzene	84		81		70-130	4		20
o-Chlorotoluene	84		82		70-130	2		20
p-Chlorotoluene	86		82		70-130	5		20
1,2-Dibromo-3-chloropropane	73		72		41-144	1		20
Hexachlorobutadiene	82		80		63-130	2		20
Isopropylbenzene	85		83		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG810799-1 WG810799-2								
p-Isopropyltoluene	86		83		70-130	4		20
Naphthalene	70		75		70-130	7		20
n-Propylbenzene	86		84		69-130	2		20
1,2,3-Trichlorobenzene	72		76		70-130	5		20
1,2,4-Trichlorobenzene	76		77		70-130	1		20
1,3,5-Trimethylbenzene	88		85		64-130	3		20
1,2,4-Trimethylbenzene	87		84		70-130	4		20
Methyl Acetate	98		98		70-130	0		20
Ethyl Acetate	90		90		70-130	0		20
Cyclohexane	100		98		70-130	2		20
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		20
Tertiary-Amyl Methyl Ether	102		98		66-130	4		20
1,4-Dioxane	103		107		56-162	4		20
Freon-113	112		110		70-130	2		20
p-Diethylbenzene	82		80		70-130	2		20
p-Ethyltoluene	89		85		70-130	5		20
1,2,4,5-Tetramethylbenzene	85		82		70-130	4		20
Ethyl ether	115		113		59-134	2		20
trans-1,4-Dichloro-2-butene	81		76		70-130	6		20
Iodomethane	**59**	Q	74		70-130	**23**	Q	20
Methyl cyclohexane	105		101		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518362

Report Date: 08/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG810799-1 WG810799-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	93		92		70-130
4-Bromofluorobenzene	86		86		70-130
Dibromofluoromethane	98		102		70-130

Project Name: 7655
Project Number: 7655

Lab Number: L1518362
Report Date: 08/12/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518362-01A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-01B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-01C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-02A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-02B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-02C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-03A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-03B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-03C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-04A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-04B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-04C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-05A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-05B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-05C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-06A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-06B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-06C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-07A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-07B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-07C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-08A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-08B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1518362-08C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1518362
Project Number:	7655	**Report Date:**	08/12/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518362
Project Number:	7655	**Report Date:**	08/12/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518362
Project Number:	7655	**Report Date:**	08/12/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

C1518360

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of ____

Serial_No:08121506:51

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: Analyst@impactenvironmental.com ~~AND~~ Mblight @impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	~~Sample Type~~ Date	Time	Total # of bottles	Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TPL/TCL Full List	Matrix Codes	Sample Type
	1 TMP-5	L	G	8/4/15	08:15	3			3									X	L - Liquid	G=Grab
	2 TMP-7	L	G	8/4/15	08:45	3			3									X	S - Soil	C=Composite
	3 TMP-6	L	G	8/4/15	09:15	3			3									X	A - Air	B=Blank
	4 TMP-3	L	G	8/4/15	09:45	3			3									X	OL - Oil	
	5 TMP-1	L	G	8/4/15	10:30	3			3									X	W - Wipe	
	6 TMP-2	L	G	8/4/15	10:50	3			3									X	PC - Paint Chips	
	7 TMP-4	L	G	8/4/15	11:20	3			3									X	SL - Sludge	
	8 TMP-8	L	G	8/4/15	11:40	3			3									X	SD - Solid	
	9																		DW- Drinking Water	
	10																		DISS - Dissolved	

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8-5-15 0910			8-5-15 1830	8-5-15 1830
3		8/6/15 0000				
5						

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1518556
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/18/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518556-01	SB-36 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 10:00	08/06/15
L1518556-02	SB-36 5-6	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 10:00	08/06/15
L1518556-03	SB-37 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 10:15	08/06/15
L1518556-04	SB-37 5-6	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 10:30	08/06/15
L1518556-05	SB-38 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 11:35	08/06/15
L1518556-06	SB-38 5-6	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:15	08/06/15
L1518556-07	SB-39 2-3	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 11:10	08/06/15
L1518556-08	SB-39 5-6	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:00	08/06/15
L1518556-09	SB-56 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:15	08/06/15
L1518556-10	SB-56 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:20	08/06/15
L1518556-11	SB-55 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:30	08/06/15
L1518556-12	SB-55 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:35	08/06/15
L1518556-13	SB-48 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:45	08/06/15
L1518556-14	SB-48 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/04/15 12:50	08/06/15
L1518556-15	SB-20 6-8	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:03	08/06/15
L1518556-16	SB-47 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:15	08/06/15
L1518556-17	SB-47 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:20	08/06/15
L1518556-18	SB-49 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:25	08/06/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518556-19	SB-49 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:30	08/06/15
L1518556-20	SB-50 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:35	08/06/15
L1518556-21	SB-50 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:45	08/06/15
L1518556-22	SB-51 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:55	08/06/15
L1518556-23	SB-51 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 13:00	08/06/15
L1518556-24	SB-53 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 13:05	08/06/15
L1518556-25	SB-53 8-10	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 13:15	08/06/15
L1518556-26	SB-20 0-2	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 11:55	08/06/15
L1518556-27	SB-20 2-4	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 11:58	08/06/15
L1518556-28	SB-20 4-6	SOIL	425 UNION BOULEVARD, WEST ISLIP, NY	08/05/15 12:01	08/06/15

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655 **Lab Number:** L1518556
Project Number: 7655 **Report Date:** 08/18/15

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued August 7, 2015, and includes the results of all requested analyses.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Metals

The WG809903-4 MS recovery, performed on L1518556-01, is outside the acceptance criteria for cadmium (134%). A post digestion spike was performed and was within acceptance criteria.

The WG809903-4 MS recovery for iron (1140%), performed on L1518556-01, does not apply because the sample concentration is greater than four times the spike amount added.

Cyanide, Total

The WG811295-2 LCS recovery (123%), associated with L1518556-15 and -28, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/18/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02
Client ID: SB-36 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 13:52
Analyst: BN
Percent Solids: 96%

Date Collected: 08/04/15 10:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02 Date Collected: 08/04/15 10:00

Client ID: SB-36 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02 Date Collected: 08/04/15 10:00

Client ID: SB-36 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.16	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04
Client ID: SB-37 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 14:20
Analyst: BN
Percent Solids: 91%

Date Collected: 08/04/15 10:30
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.15	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	1.1	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	2.0		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04 Date Collected: 08/04/15 10:30

Client ID: SB-37 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	23		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.17	1
p-Chlorotoluene	ND		ug/kg	5.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	1.9	J	ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04 Date Collected: 08/04/15 10:30

Client ID: SB-37 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	0.34	J	ug/kg	4.4	0.17	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	89		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06
Client ID: SB-38 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 14:48
Analyst: BN
Percent Solids: 97%

Date Collected: 08/04/15 12:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06 Date Collected: 08/04/15 12:15

Client ID: SB-38 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	4.8	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06 Date Collected: 08/04/15 12:15

Client ID: SB-38 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08
Client ID: SB-39 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 15:17
Analyst: BN
Percent Solids: 98%

Date Collected: 08/04/15 12:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08 Date Collected: 08/04/15 12:00

Client ID: SB-39 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08 Date Collected: 08/04/15 12:00

Client ID: SB-39 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10
Client ID: SB-56 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 15:45
Analyst: BN
Percent Solids: 88%

Date Collected: 08/04/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.7	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.7	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.7	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.17	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10 Date Collected: 08/04/15 12:20

Client ID: SB-56 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.22	1
o-Xylene	ND		ug/kg	2.3	0.19	1
Xylenes, Total	ND		ug/kg	2.3	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	6.9	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.76	1
Bromochloromethane	ND		ug/kg	5.7	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.7	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.7	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.7	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.7	0.15	1
o-Chlorotoluene	ND		ug/kg	5.7	0.18	1
p-Chlorotoluene	ND		ug/kg	5.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.7	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.7	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10 Date Collected: 08/04/15 12:20

Client ID: SB-56 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.5	0.18	1
p-Ethyltoluene	ND		ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.5	0.15	1
Ethyl ether	ND		ug/kg	5.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12
Client ID: SB-55 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 16:13
Analyst: BN
Percent Solids: 94%

Date Collected: 08/04/15 12:35
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	ND		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12 Date Collected: 08/04/15 12:35

Client ID: SB-55 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	ND		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.54	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12 Date Collected: 08/04/15 12:35

Client ID: SB-55 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14
Client ID: SB-48 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 16:42
Analyst: BN
Percent Solids: 95%

Date Collected: 08/04/15 12:50
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14 Date Collected: 08/04/15 12:50

Client ID: SB-48 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14 Date Collected: 08/04/15 12:50

Client ID: SB-48 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15
Client ID: SB-20 6-8
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 03:19
Analyst: MS
Percent Solids: 86%

Date Collected: 08/05/15 12:03
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.7	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15 Date Collected: 08/05/15 12:03

Client ID: SB-20 6-8 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	ND		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.19	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15 Date Collected: 08/05/15 12:03

Client ID: SB-20 6-8 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.19	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17
Client ID: SB-47 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 03:47
Analyst: MS
Percent Solids: 97%

Date Collected: 08/05/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17 Date Collected: 08/05/15 12:20

Client ID: SB-47 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17 Date Collected: 08/05/15 12:20

Client ID: SB-47 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19
Client ID: SB-49 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 04:15
Analyst: MS
Percent Solids: 98%

Date Collected: 08/05/15 12:30
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19 Date Collected: 08/05/15 12:30

Client ID: SB-49 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	24		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19 Date Collected: 08/05/15 12:30

Client ID: SB-49 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21
Client ID: SB-50 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 04:43
Analyst: MS
Percent Solids: 97%

Date Collected: 08/05/15 12:45
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21 Date Collected: 08/05/15 12:45

Client ID: SB-50 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	60		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21 Date Collected: 08/05/15 12:45

Client ID: SB-50 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23
Client ID: SB-51 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 05:11
Analyst: MS
Percent Solids: 98%

Date Collected: 08/05/15 13:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23 Date Collected: 08/05/15 13:00

Client ID: SB-51 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	22		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23 Date Collected: 08/05/15 13:00

Client ID: SB-51 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25
Client ID: SB-53 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 05:39
Analyst: MS
Percent Solids: 99%

Date Collected: 08/05/15 13:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25 Date Collected: 08/05/15 13:15

Client ID: SB-53 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	15		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25 Date Collected: 08/05/15 13:15

Client ID: SB-53 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14 Batch: WG812611-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14 Batch: WG812611-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14 Batch: WG812611-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14 Batch: WG812611-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 23:01
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15,17,19,21,23,25 Batch: WG813110-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 23:01
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15,17,19,21,23,25 Batch: WG813110-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 23:01
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15,17,19,21,23,25 Batch: WG813110-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 23:01
Analyst: MS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 15,17,19,21,23,25 Batch: WG813110-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14 Batch: WG812611-1 WG812611-2								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	106		104		70-130	2		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	102		96		70-130	6		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	96		96		70-130	0		30
2-Chloroethylvinyl ether	87		90		70-130	3		30
1,1,2-Trichloroethane	104		105		70-130	1		30
Tetrachloroethene	96		94		70-130	2		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	107		129		70-139	19		30
1,2-Dichloroethane	104		105		70-130	1		30
1,1,1-Trichloroethane	103		99		70-130	4		30
Bromodichloromethane	101		100		70-130	1		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	104		101		70-130	3		30
Bromoform	77		79		70-130	3		30
1,1,2,2-Tetrachloroethane	101		103		70-130	2		30
Benzene	104		100		70-130	4		30
Toluene	103		99		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14 Batch: WG812611-1 WG812611-2								
Ethylbenzene	104		102		70-130	2		30
Chloromethane	113		111		52-130	2		30
Bromomethane	119		116		57-147	3		30
Vinyl chloride	115		108		67-130	6		30
Chloroethane	142		133		50-151	7		30
1,1-Dichloroethene	102		95		65-135	7		30
trans-1,2-Dichloroethene	101		96		70-130	5		30
Trichloroethene	104		98		70-130	6		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	101		97		70-130	4		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	101		98		70-130	3		30
Styrene	98		97		70-130	1		30
Dichlorodifluoromethane	107		101		30-146	6		30
Acetone	102		102		54-140	0		30
Carbon disulfide	98		92		59-130	6		30
2-Butanone	90		93		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14 Batch: WG812611-1 WG812611-2								
Vinyl acetate	97		97		70-130	0		30
4-Methyl-2-pentanone	74		79		70-130	7		30
1,2,3-Trichloropropane	99		102		68-130	3		30
2-Hexanone	79		82		70-130	4		30
Bromochloromethane	99		97		70-130	2		30
2,2-Dichloropropane	98		92		70-130	6		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	96		95		70-130	1		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	108		106		70-130	2		30
sec-Butylbenzene	104		100		70-130	4		30
tert-Butylbenzene	99		97		70-130	2		30
o-Chlorotoluene	105		102		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	79		78		68-130	1		30
Hexachlorobutadiene	86		85		67-130	1		30
Isopropylbenzene	101		97		70-130	4		30
p-Isopropyltoluene	100		96		70-130	4		30
Naphthalene	86		88		70-130	2		30
Acrylonitrile	93		93		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14 Batch: WG812611-1 WG812611-2								
Diisopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	**62**	Q	**64**	Q	70-130	3		30
n-Propylbenzene	105		101		70-130	4		30
1,2,3-Trichlorobenzene	87		87		70-130	0		30
1,2,4-Trichlorobenzene	88		87		70-130	1		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
Methyl Acetate	97		100		51-146	3		30
Ethyl Acetate	92		95		70-130	3		30
Acrolein	88		88		70-130	0		30
Cyclohexane	105		100		59-142	5		30
1,4-Dioxane	88		84		65-136	5		30
Freon-113	101		99		50-139	2		30
p-Diethylbenzene	98		96		70-130	2		30
p-Ethyltoluene	102		99		70-130	3		30
1,2,4,5-Tetramethylbenzene	94		92		70-130	2		30
Tetrahydrofuran	94		105		66-130	11		30
Ethyl ether	97		96		67-130	1		30
trans-1,4-Dichloro-2-butene	103		104		70-130	1		30
Methyl cyclohexane	99		94		70-130	5		30
Ethyl-Tert-Butyl-Ether	91		91		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s):	02,04,06,08,10,12,14	Batch:	WG812611-1	WG812611-2			
Tertiary-Amyl Methyl Ether	82		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15,17,19,21,23,25 Batch: WG813110-1 WG813110-2								
Methylene chloride	98		96		70-130	2		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	117		116		70-130	1		30
1,2-Dichloropropane	91		90		70-130	1		30
Dibromochloromethane	108		106		70-130	2		30
2-Chloroethylvinyl ether	103		104		70-130	1		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	121		118		70-130	3		30
Chlorobenzene	106		103		70-130	3		30
Trichlorofluoromethane	138		134		70-139	3		30
1,2-Dichloroethane	83		83		70-130	0		30
1,1,1-Trichloroethane	107		105		70-130	2		30
Bromodichloromethane	94		92		70-130	2		30
trans-1,3-Dichloropropene	95		93		70-130	2		30
cis-1,3-Dichloropropene	95		93		70-130	2		30
1,1-Dichloropropene	106		104		70-130	2		30
Bromoform	110		110		70-130	0		30
1,1,2,2-Tetrachloroethane	99		98		70-130	1		30
Benzene	99		97		70-130	2		30
Toluene	104		100		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15,17,19,21,23,25 Batch: WG813110-1 WG813110-2								
Ethylbenzene	105		102		70-130	3		30
Chloromethane	92		88		52-130	4		30
Bromomethane	120		126		57-147	5		30
Vinyl chloride	110		108		67-130	2		30
Chloroethane	98		95		50-151	3		30
1,1-Dichloroethene	114		110		65-135	4		30
trans-1,2-Dichloroethene	107		105		70-130	2		30
Trichloroethene	106		104		70-130	2		30
1,2-Dichlorobenzene	107		105		70-130	2		30
1,3-Dichlorobenzene	108		106		70-130	2		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	91		89		66-130	2		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	103		100		70-130	3		30
cis-1,2-Dichloroethene	102		102		70-130	0		30
Dibromomethane	98		96		70-130	2		30
Styrene	102		99		70-130	3		30
Dichlorodifluoromethane	**195**	Q	**190**	Q	30-146	3		30
Acetone	96		94		54-140	2		30
Carbon disulfide	104		100		59-130	4		30
2-Butanone	83		82		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15,17,19,21,23,25 Batch: WG813110-1 WG813110-2								
Vinyl acetate	84		81		70-130	4		30
4-Methyl-2-pentanone	90		87		70-130	3		30
1,2,3-Trichloropropane	96		94		68-130	2		30
2-Hexanone	73		70		70-130	4		30
Bromochloromethane	104		101		70-130	3		30
2,2-Dichloropropane	98		96		70-130	2		30
1,2-Dibromoethane	105		102		70-130	3		30
1,3-Dichloropropane	98		96		69-130	2		30
1,1,1,2-Tetrachloroethane	107		105		70-130	2		30
Bromobenzene	108		104		70-130	4		30
n-Butylbenzene	112		108		70-130	4		30
sec-Butylbenzene	114		111		70-130	3		30
tert-Butylbenzene	113		110		70-130	3		30
o-Chlorotoluene	103		101		70-130	2		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	116		115		68-130	1		30
Hexachlorobutadiene	126		123		67-130	2		30
Isopropylbenzene	112		109		70-130	3		30
p-Isopropyltoluene	117		114		70-130	3		30
Naphthalene	105		104		70-130	1		30
Acrylonitrile	81		82		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 15,17,19,21,23,25 Batch: WG813110-1 WG813110-2								
Diisopropyl Ether	73		72		66-130	1		30
Tert-Butyl Alcohol	95		96		70-130	1		30
n-Propylbenzene	106		104		70-130	2		30
1,2,3-Trichlorobenzene	110		109		70-130	1		30
1,2,4-Trichlorobenzene	112		111		70-130	1		30
1,3,5-Trimethylbenzene	108		105		70-130	3		30
1,2,4-Trimethylbenzene	106		103		70-130	3		30
Methyl Acetate	70		71		51-146	1		30
Ethyl Acetate	**64**	Q	**64**	Q	70-130	0		30
Acrolein	118		121		70-130	3		30
Cyclohexane	103		101		59-142	2		30
1,4-Dioxane	114		115		65-136	1		30
Freon-113	112		108		50-139	4		30
p-Diethylbenzene	109		107		70-130	2		30
p-Ethyltoluene	107		106		70-130	1		30
1,2,4,5-Tetramethylbenzene	107		107		70-130	0		30
Tetrahydrofuran	74		74		66-130	0		30
Ethyl ether	85		82		67-130	4		30
trans-1,4-Dichloro-2-butene	80		79		70-130	1		30
Methyl cyclohexane	121		119		70-130	2		30
Ethyl-Tert-Butyl-Ether	86		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s):	15,17,19,21,23,25	Batch:	WG813110-1	WG813110-2			
Tertiary-Amyl Methyl Ether	93		92		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		86		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	91		90		70-130
Dibromofluoromethane	98		99		70-130

SEMIVOLATILES

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02
Client ID: SB-36 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 18:02
Analyst: AS
Percent Solids: 96%

Date Collected: 08/04/15 10:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02 Date Collected: 08/04/15 10:00

Client ID: SB-36 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02 Date Collected: 08/04/15 10:00

Client ID: SB-36 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	56		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04
Client ID: SB-37 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 12:46
Analyst: AS
Percent Solids: 91%

Date Collected: 08/04/15 10:30
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	58.	1
Hexachlorobenzene	ND		ug/kg	110	33.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	50.	1
2-Chloronaphthalene	ND		ug/kg	180	58.	1
1,2-Dichlorobenzene	ND		ug/kg	180	58.	1
1,3-Dichlorobenzene	ND		ug/kg	180	56.	1
1,4-Dichlorobenzene	ND		ug/kg	180	54.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	38.	1
2,6-Dinitrotoluene	ND		ug/kg	180	45.	1
Fluoranthene	ND		ug/kg	110	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	54.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	41.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	62.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	54.	1
Hexachlorobutadiene	ND		ug/kg	180	50.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	110	1
Hexachloroethane	ND		ug/kg	140	32.	1
Isophorone	ND		ug/kg	160	47.	1
Naphthalene	ND		ug/kg	180	59.	1
Nitrobenzene	ND		ug/kg	160	42.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	37.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	53.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	46.	1
Butyl benzyl phthalate	ND		ug/kg	180	34.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	43.	1
Diethyl phthalate	ND		ug/kg	180	37.	1
Dimethyl phthalate	ND		ug/kg	180	45.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04 Date Collected: 08/04/15 10:30

Client ID: SB-37 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	34.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	36.	1
Benzo(k)fluoranthene	ND		ug/kg	110	34.	1
Chrysene	ND		ug/kg	110	35.	1
Acenaphthylene	ND		ug/kg	140	33.	1
Anthracene	ND		ug/kg	110	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	37.	1
Fluorene	ND		ug/kg	180	51.	1
Phenanthrene	ND		ug/kg	110	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	34.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	39.	1
Pyrene	ND		ug/kg	110	34.	1
Biphenyl	ND		ug/kg	400	58.	1
4-Chloroaniline	ND		ug/kg	180	47.	1
2-Nitroaniline	ND		ug/kg	180	50.	1
3-Nitroaniline	ND		ug/kg	180	49.	1
4-Nitroaniline	ND		ug/kg	180	48.	1
Dibenzofuran	ND		ug/kg	180	59.	1
2-Methylnaphthalene	ND		ug/kg	210	56.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	55.	1
Acetophenone	ND		ug/kg	180	55.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	33.	1
P-Chloro-M-Cresol	ND		ug/kg	180	51.	1
2-Chlorophenol	ND		ug/kg	180	53.	1
2,4-Dichlorophenol	ND		ug/kg	160	57.	1
2,4-Dimethylphenol	ND		ug/kg	180	53.	1
2-Nitrophenol	ND		ug/kg	380	55.	1
4-Nitrophenol	ND		ug/kg	250	57.	1
2,4-Dinitrophenol	ND		ug/kg	850	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	65.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	180	52.	1
2-Methylphenol	ND		ug/kg	180	57.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	58.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	57.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	38.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04 Date Collected: 08/04/15 10:30

Client ID: SB-37 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	37		10-136
4-Terphenyl-d14	63		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06
Client ID: SB-38 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 18:27
Analyst: AS
Percent Solids: 97%

Date Collected: 08/04/15 12:15
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06 Date Collected: 08/04/15 12:15

Client ID: SB-38 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06 Date Collected: 08/04/15 12:15

Client ID: SB-38 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	82		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08
Client ID: SB-39 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 13:11
Analyst: AS
Percent Solids: 98%

Date Collected: 08/04/15 12:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08 Date Collected: 08/04/15 12:00

Client ID: SB-39 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08 Date Collected: 08/04/15 12:00

Client ID: SB-39 5-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	78		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10
Client ID: SB-56 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 13:37
Analyst: AS
Percent Solids: 88%

Date Collected: 08/04/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10 Date Collected: 08/04/15 12:20

Client ID: SB-56 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10 Date Collected: 08/04/15 12:20

Client ID: SB-56 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	75		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12
Client ID: SB-55 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 14:02
Analyst: AS
Percent Solids: 94%

Date Collected: 08/04/15 12:35
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	57.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	57.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	53.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	52.	1
Hexachlorobutadiene	ND		ug/kg	170	49.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	160	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	52.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12 Date Collected: 08/04/15 12:35

Client ID: SB-55 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	50.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	46.	1
2-Nitroaniline	ND		ug/kg	170	49.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	47.	1
Dibenzofuran	ND		ug/kg	170	58.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	54.	1
Acetophenone	ND		ug/kg	170	54.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	160	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	52.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	56.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	57.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12 Date Collected: 08/04/15 12:35

Client ID: SB-55 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	75		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14
Client ID: SB-48 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 14:27
Analyst: AS
Percent Solids: 95%

Date Collected: 08/04/15 12:50
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14 Date Collected: 08/04/15 12:50

Client ID: SB-48 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	820	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14 Date Collected: 08/04/15 12:50

Client ID: SB-48 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	86		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15
Client ID: SB-20 6-8
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 14:53
Analyst: AS
Percent Solids: 86%

Date Collected: 08/05/15 12:03
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	ND		ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15 Date Collected: 08/05/15 12:03

Client ID: SB-20 6-8 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	ND		ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15 Date Collected: 08/05/15 12:03

Client ID: SB-20 6-8 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	72		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17
Client ID: SB-47 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 15:18
Analyst: AS
Percent Solids: 97%

Date Collected: 08/05/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17 Date Collected: 08/05/15 12:20

Client ID: SB-47 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	37.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	380	56.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17 Date Collected: 08/05/15 12:20

Client ID: SB-47 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	92		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19
Client ID: SB-49 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 15:44
Analyst: AS
Percent Solids: 98%

Date Collected: 08/05/15 12:30
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	54.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	42.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19 Date Collected: 08/05/15 12:30

Client ID: SB-49 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	32.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19 Date Collected: 08/05/15 12:30

Client ID: SB-49 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	88		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21
Client ID: SB-50 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 16:09
Analyst: AS
Percent Solids: 97%

Date Collected: 08/05/15 12:45
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21 Date Collected: 08/05/15 12:45

Client ID: SB-50 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21 Date Collected: 08/05/15 12:45

Client ID: SB-50 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	84		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23
Client ID: SB-51 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 16:34
Analyst: AS
Percent Solids: 98%

Date Collected: 08/05/15 13:00
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	54.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	42.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23 Date Collected: 08/05/15 13:00

Client ID: SB-51 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	32.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23 Date Collected: 08/05/15 13:00

Client ID: SB-51 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	89		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25
Client ID: SB-53 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/08/15 17:00
Analyst: AS
Percent Solids: 99%

Date Collected: 08/05/15 13:15
Date Received: 08/06/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25 Date Collected: 08/05/15 13:15

Client ID: SB-53 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	37.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	380	56.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25 Date Collected: 08/05/15 13:15

Client ID: SB-53 8-10 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	92		18-120

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/15 10:53
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	55.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	51.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	43.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Azobenzene	ND		ug/kg	170	45.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/15 10:53
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-1					
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	33.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	35.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
Aniline	ND		ug/kg	200	34.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	56.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/15 10:53
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-1					
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	170	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	28.
Pyridine	ND		ug/kg	670	60.
Parathion, ethyl	ND		ug/kg	170	66.
1-Methylnaphthalene	ND		ug/kg	170	50.

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/08/15 10:53
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 08/07/15 10:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	86		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-2 WG810038-3								
Acenaphthene	84		86		31-137	2		50
Benzidine	64		59		10-66	8		50
n-Nitrosodimethylamine	66		74		22-100	11		50
1,2,4-Trichlorobenzene	78		88		38-107	12		50
Hexachlorobenzene	86		89		40-140	3		50
Bis(2-chloroethyl)ether	78		87		40-140	11		50
2-Chloronaphthalene	85		88		40-140	3		50
1,2-Dichlorobenzene	76		85		40-140	11		50
1,3-Dichlorobenzene	73		82		40-140	12		50
1,4-Dichlorobenzene	73		83		28-104	13		50
3,3'-Dichlorobenzidine	63		62		40-140	2		50
2,4-Dinitrotoluene	**96**	Q	**97**	Q	28-89	1		50
2,6-Dinitrotoluene	93		96		40-140	3		50
Fluoranthene	88		90		40-140	2		50
4-Chlorophenyl phenyl ether	85		88		40-140	3		50
4-Bromophenyl phenyl ether	88		91		40-140	3		50
Azobenzene	90		92		40-140	2		50
Bis(2-chloroisopropyl)ether	78		86		40-140	10		50
Bis(2-chloroethoxy)methane	89		94		40-117	5		50
Hexachlorobutadiene	75		84		40-140	11		50
Hexachlorocyclopentadiene	76		83		40-140	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-2 WG810038-3								
Hexachloroethane	76		84		40-140	10		50
Isophorone	90		93		40-140	3		50
Naphthalene	78		85		40-140	9		50
Nitrobenzene	81		90		40-140	11		50
NitrosoDiPhenylAmine(NDPA)/DPA	88		90		36-157	2		50
n-Nitrosodi-n-propylamine	86		90		32-121	5		50
Bis(2-Ethylhexyl)phthalate	96		98		40-140	2		50
Butyl benzyl phthalate	98		102		40-140	4		50
Di-n-butylphthalate	96		98		40-140	2		50
Di-n-octylphthalate	96		100		40-140	4		50
Diethyl phthalate	88		90		40-140	2		50
Dimethyl phthalate	86		88		40-140	2		50
Benzo(a)anthracene	90		91		40-140	1		50
Benzo(a)pyrene	88		91		40-140	3		50
Benzo(b)fluoranthene	88		90		40-140	2		50
Benzo(k)fluoranthene	87		88		40-140	1		50
Chrysene	85		87		40-140	2		50
Acenaphthylene	87		88		40-140	1		50
Anthracene	88		90		40-140	2		50
Benzo(ghi)perylene	80		85		40-140	6		50
Fluorene	87		88		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-2 WG810038-3								
Phenanthrene	85		87		40-140	2		50
Dibenzo(a,h)anthracene	82		86		40-140	5		50
Indeno(1,2,3-cd)Pyrene	83		86		40-140	4		50
Pyrene	86		90		35-142	5		50
Biphenyl	80		84		54-104	5		50
Aniline	66		67		40-140	2		50
4-Chloroaniline	81		80		40-140	1		50
2-Nitroaniline	92		95		47-134	3		50
3-Nitroaniline	73		74		26-129	1		50
4-Nitroaniline	90		92		41-125	2		50
Dibenzofuran	84		85		40-140	1		50
2-Methylnaphthalene	84		89		40-140	6		50
1,2,4,5-Tetrachlorobenzene	78		83		40-117	6		50
Acetophenone	80		87		14-144	8		50
2,4,6-Trichlorophenol	96		97		30-130	1		50
P-Chloro-M-Cresol	92		95		26-103	3		50
2-Chlorophenol	85		92		25-102	8		50
2,4-Dichlorophenol	92		96		30-130	4		50
2,4-Dimethylphenol	92		94		30-130	2		50
2-Nitrophenol	89		94		30-130	5		50
4-Nitrophenol	86		87		11-114	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-2 WG810038-3								
2,4-Dinitrophenol	65		59		4-130	10		50
4,6-Dinitro-o-cresol	82		83		10-130	1		50
Pentachlorophenol	79		78		17-109	1		50
Phenol	83		87		26-90	5		50
2-Methylphenol	86		90		30-130.	5		50
3-Methylphenol/4-Methylphenol	87		100		30-130	14		50
2,4,5-Trichlorophenol	89		92		30-130	3		50
Benzoic Acid	47		33		10-66	35		50
Benzyl Alcohol	88		89		40-140	1		50
Carbazole	91		93		54-128	2		50
Benzaldehyde	83		94		40-140	12		50
Caprolactam	97		97		15-130	0		50
Atrazine	87		89		40-140	2		50
2,3,4,6-Tetrachlorophenol	88		88		40-140	0		50
Pyridine	57		66		10-93	15		50
Parathion, ethyl	98		98		40-140	0		50
1-Methylnaphthalene	85		89		26-130	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,19,21,23,25 Batch: WG810038-2 WG810038-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		88		25-120
Phenol-d6	89		94		10-120
Nitrobenzene-d5	87		94		23-120
2-Fluorobiphenyl	83		85		30-120
2,4,6-Tribromophenol	101		102		10-136
4-Terphenyl-d14	85		86		18-120

METALS

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-01 Date Collected: 08/04/15 10:00

Client ID: SB-36 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.9		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Barium, Total	33		mg/kg	0.45	0.14	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Cadmium, Total	8.0		mg/kg	0.45	0.03	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.3	0.90	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Lead, Total	16		mg/kg	2.3	0.09	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 11:51	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.90	0.14	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT
Zinc, Total	21		mg/kg	2.3	0.32	1	08/07/15 05:04	08/07/15 12:22	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-03 Date Collected: 08/04/15 10:15

Client ID: SB-37 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.1		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Barium, Total	39		mg/kg	0.43	0.13	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	2.2	0.87	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 12:45	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.87	0.13	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	2.2	0.30	1	08/07/15 05:04	08/07/15 15:58	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-05 Date Collected: 08/04/15 11:35

Client ID: SB-38 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.8		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Barium, Total	30		mg/kg	0.44	0.13	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Cadmium, Total	26		mg/kg	0.44	0.03	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.2	0.88	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/07/15 08:35	08/07/15 12:47	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT
Zinc, Total	14		mg/kg	2.2	0.31	1	08/07/15 05:04	08/07/15 16:02	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-07 Date Collected: 08/04/15 11:10

Client ID: SB-39 2-3 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.0		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	0.45	0.13	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Cadmium, Total	2.7		mg/kg	0.45	0.03	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Chromium, Total	15		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Iron, Total	10000		mg/kg	2.2	0.90	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 12:48	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.90	0.13	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT
Zinc, Total	14		mg/kg	2.2	0.31	1	08/07/15 05:04	08/07/15 16:05	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-09 Date Collected: 08/04/15 12:15

Client ID: SB-56 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.2		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Barium, Total	21		mg/kg	0.44	0.13	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Cadmium, Total	1.7		mg/kg	0.44	0.03	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Chromium, Total	6.2		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Iron, Total	6300		mg/kg	2.2	0.88	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Lead, Total	7.9		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 12:54	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.44	0.09	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	2.2	0.31	1	08/07/15 05:04	08/07/15 16:24	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-11 Date Collected: 08/04/15 12:30

Client ID: SB-55 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.1		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Barium, Total	24		mg/kg	0.42	0.13	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Chromium, Total	7.8		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Iron, Total	8600		mg/kg	2.1	0.84	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.1	0.08	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 12:58	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.84	0.13	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT
Zinc, Total	10		mg/kg	2.1	0.29	1	08/07/15 05:04	08/07/15 16:28	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-13 Date Collected: 08/04/15 12:45

Client ID: SB-48 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.5		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Barium, Total	22		mg/kg	0.43	0.13	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Chromium, Total	11		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Iron, Total	8800		mg/kg	2.2	0.86	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Mercury, Total	0.072	J	mg/kg	0.073	0.015	1	08/07/15 08:35	08/07/15 12:59	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.86	0.13	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT
Zinc, Total	9.8		mg/kg	2.2	0.30	1	08/07/15 05:04	08/07/15 16:31	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15 Date Collected: 08/05/15 12:03

Client ID: SB-20 6-8 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.3		mg/kg	0.45	0.09	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Barium, Total	3.3		mg/kg	0.45	0.14	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Cadmium, Total	10		mg/kg	0.45	0.03	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Chromium, Total	7.0		mg/kg	0.45	0.09	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Iron, Total	1900		mg/kg	2.3	0.91	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.3	0.09	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/13/15 08:10	08/13/15 11:45	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.91	0.14	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT
Zinc, Total	29		mg/kg	2.3	0.32	1	08/11/15 17:34	08/13/15 14:07	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-16 Date Collected: 08/05/15 12:15

Client ID: SB-47 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.7		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Barium, Total	35		mg/kg	0.45	0.13	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Cadmium, Total	16		mg/kg	0.45	0.03	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Chromium, Total	21		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.2	0.89	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 13:01	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.89	0.13	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT
Zinc, Total	15		mg/kg	2.2	0.31	1	08/07/15 05:04	08/07/15 16:35	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-18 Date Collected: 08/05/15 12:25

Client ID: SB-49 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	6.1		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Barium, Total	31		mg/kg	0.43	0.13	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Chromium, Total	14		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Iron, Total	12000		mg/kg	2.1	0.85	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.1	0.09	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 13:03	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT
Zinc, Total	13		mg/kg	2.1	0.30	1	08/07/15 05:04	08/07/15 16:39	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-20 Date Collected: 08/05/15 12:35

Client ID: SB-50 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.7		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Barium, Total	19		mg/kg	0.43	0.13	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Chromium, Total	16		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Iron, Total	11000		mg/kg	2.2	0.86	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.2	0.09	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 13:04	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.86	0.13	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.43	0.09	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT
Zinc, Total	16		mg/kg	2.2	0.30	1	08/07/15 05:04	08/07/15 16:42	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-22 Date Collected: 08/05/15 12:55

Client ID: SB-51 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.9		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Barium, Total	16		mg/kg	0.41	0.12	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Cadmium, Total	0.93		mg/kg	0.41	0.03	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Chromium, Total	5.8		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Iron, Total	6400		mg/kg	2.1	0.83	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Lead, Total	4.0		mg/kg	2.1	0.08	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	08/07/15 08:35	08/07/15 13:38	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT
Zinc, Total	12		mg/kg	2.1	0.29	1	08/07/15 05:04	08/07/15 16:46	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-24 Date Collected: 08/05/15 13:05

Client ID: SB-53 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.0		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Barium, Total	22		mg/kg	0.42	0.12	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Chromium, Total	7.7		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Iron, Total	9200		mg/kg	2.1	0.84	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.1	0.08	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/07/15 08:35	08/07/15 13:39	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.42	0.08	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	2.1	0.29	1	08/07/15 05:04	08/07/15 16:50	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-26 Date Collected: 08/05/15 11:55

Client ID: SB-20 0-2 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.7		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Barium, Total	5.1		mg/kg	0.40	0.12	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Cadmium, Total	12		mg/kg	0.40	0.03	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Chromium, Total	39		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Iron, Total	2100		mg/kg	2.0	0.81	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Lead, Total	12		mg/kg	2.0	0.08	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/07/15 08:35	08/07/15 11:57	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.81	0.12	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT
Zinc, Total	18		mg/kg	2.0	0.28	1	08/07/15 05:04	08/07/15 13:48	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-27 Date Collected: 08/05/15 11:58

Client ID: SB-20 2-4 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.95		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Barium, Total	3.5		mg/kg	0.41	0.12	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Cadmium, Total	8.3		mg/kg	0.41	0.03	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Chromium, Total	28		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Iron, Total	1500		mg/kg	2.0	0.82	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Lead, Total	4.1		mg/kg	2.0	0.08	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/07/15 08:35	08/07/15 11:59	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT
Zinc, Total	11		mg/kg	2.0	0.29	1	08/07/15 05:04	08/07/15 13:44	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-28 Date Collected: 08/05/15 12:01

Client ID: SB-20 4-6 Date Received: 08/06/15

Sample Location: 425 UNION BOULEVARD, WEST ISLI Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.2		mg/kg	0.40	0.08	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Barium, Total	4.4		mg/kg	0.40	0.12	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Cadmium, Total	12		mg/kg	0.40	0.03	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Chromium, Total	30		mg/kg	0.40	0.08	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Iron, Total	2000		mg/kg	2.0	0.79	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Lead, Total	4.9		mg/kg	2.0	0.08	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/13/15 08:10	08/13/15 11:47	EPA 7471B	1,7471B	DB
Selenium, Total	ND		mg/kg	0.79	0.12	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT
Zinc, Total	14		mg/kg	2.0	0.28	1	08/11/15 17:34	08/13/15 13:00	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 Batch: WG809878-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/07/15 08:35	08/07/15 12:34	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 Batch: WG809903-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/07/15 05:04	08/07/15 12:15	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15,28 Batch: WG811151-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Zinc, Total	ND	mg/kg	2.0	0.28	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 15,28 Batch: WG811638-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/13/15 08:10	08/13/15 11:42	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 Batch: WG809878-2 SRM Lot Number: D088-540								
Mercury, Total	95		-		72-128	-		
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 Batch: WG809903-2 SRM Lot Number: D088-540								
Arsenic, Total	105		-		79-121	-		
Barium, Total	99		-		83-117	-		
Cadmium, Total	96		-		83-117	-		
Chromium, Total	101		-		80-120	-		
Iron, Total	96		-		45-155	-		
Lead, Total	88		-		81-117	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	100		-		75-124	-		
Zinc, Total	97		-		82-118	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15,28 Batch: WG811151-2 SRM Lot Number: D088-540					
Arsenic, Total	88	-	79-121	-	
Barium, Total	83	-	83-117	-	
Cadmium, Total	99	-	83-117	-	
Chromium, Total	83	-	80-120	-	
Iron, Total	89	-	45-155	-	
Lead, Total	94	-	81-117	-	
Selenium, Total	91	-	78-122	-	
Silver, Total	91	-	75-124	-	
Zinc, Total	88	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 15,28 Batch: WG811638-2 SRM Lot Number: D088-540					
Mercury, Total	100	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 QC Batch ID: WG809878-4 QC Sample: L1518556-01 Client ID: SB-36 0-2												
Mercury, Total	0.02J	0.15	0.17	113		-	-		80-120	-		20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 QC Batch ID: WG809903-4 QC Sample: L1518556-01 Client ID: SB-36 0-2												
Arsenic, Total	5.9	10.5	17	105		-	-		75-125	-		20
Barium, Total	33.	176	210	101		-	-		75-125	-		20
Cadmium, Total	8.0	4.48	14	**134**	Q	-	-		75-125	-		20
Chromium, Total	13.	17.6	32	108		-	-		75-125	-		20
Iron, Total	12000	87.9	13000	**1140**	Q	-	-		75-125	-		20
Lead, Total	16.	44.8	59	96		-	-		75-125	-		20
Selenium, Total	ND	10.5	10	95		-	-		75-125	-		20
Silver, Total	ND	26.4	24	91		-	-		75-125	-		20
Zinc, Total	21.	43.9	67	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15,28 QC Batch ID: WG811151-4 QC Sample: L1518187-01 Client ID: MS Sample										
Arsenic, Total	2.9	11.5	13	87		-	-	75-125	-	20
Barium, Total	70.	192	230	83		-	-	75-125	-	20
Cadmium, Total	1.4	4.91	5.5	84		-	-	75-125	-	20
Chromium, Total	12.	19.2	30	94		-	-	75-125	-	20
Iron, Total	13000	96.2	14000	**1040**	Q	-	-	75-125	-	20
Lead, Total	91.	49.1	130	79		-	-	75-125	-	20
Selenium, Total	ND	11.5	11	95		-	-	75-125	-	20
Silver, Total	ND	28.9	26	90		-	-	75-125	-	20
Zinc, Total	240	48.1	260	**42**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 15,28 QC Batch ID: WG811638-4 QC Sample: L1518923-01 Client ID: MS Sample										
Mercury, Total	0.028J	0.169	0.21	**124**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 QC Batch ID: WG809878-3 QC Sample: L1518556-01 Client ID: SB-36 0-2						
Mercury, Total	0.02J	0.02J	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20,22,24,26-2 QC Batch ID: WG809903-3 QC Sample: L1518556-01 Client ID: SB-36 0-2						
Arsenic, Total	5.9	6.2	mg/kg	5		20
Barium, Total	33.	31	mg/kg	6		20
Cadmium, Total	8.0	8.5	mg/kg	6		20
Chromium, Total	13.	14	mg/kg	7		20
Iron, Total	12000	12000	mg/kg	0		20
Lead, Total	16.	17	mg/kg	6		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	21.	21	mg/kg	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 15,28 QC Batch ID: WG811151-3 QC Sample: L1518187-01 Client ID: DUP Sample						
Arsenic, Total	2.9	3.0	mg/kg	3		20
Barium, Total	70.	69	mg/kg	1		20
Cadmium, Total	1.4	1.8	mg/kg	**25**	Q	20
Chromium, Total	12.	14	mg/kg	15		20
Iron, Total	13000	14000	mg/kg	7		20
Lead, Total	91.	91	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	240	240	mg/kg	0		20
Total Metals - Westborough Lab Associated sample(s): 15,28 QC Batch ID: WG811638-3 QC Sample: L1518923-01 Client ID: DUP Sample						
Mercury, Total	0.028J	0.03J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-01
Client ID: SB-36 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 10:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.55	J	mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:44	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-02
Client ID: SB-36 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 10:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-03
Client ID: SB-37 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 10:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.86	J	mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:48	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-04
Client ID: SB-37 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 10:30
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-05
Client ID: SB-38 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 11:35
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	1.2		mg/kg	1.1	0.25	1	08/07/15 07:50	08/07/15 12:49	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-06
Client ID: SB-38 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-07
Client ID: SB-39 2-3
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 11:10
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.54	J	mg/kg	1.1	0.25	1	08/07/15 07:50	08/07/15 12:50	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-08
Client ID: SB-39 5-6
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.7		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-09
Client ID: SB-56 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.34	J	mg/kg	1.1	0.25	1	08/07/15 07:50	08/07/15 12:51	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-10
Client ID: SB-56 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.2		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-11
Client ID: SB-55 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:30
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.6		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:51	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-12
Client ID: SB-55 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:35
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-13
Client ID: SB-48 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:45
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.28	J	mg/kg	1.0	0.25	1	08/07/15 07:50	08/07/15 12:52	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-14
Client ID: SB-48 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/04/15 12:50
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-15
Client ID: SB-20 6-8
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:03
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.50	J	mg/kg	1.1	0.26	1	08/12/15 08:35	08/12/15 13:22	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-16
Client ID: SB-47 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	0.37	J	mg/kg	1.1	0.26	1	08/07/15 07:50	08/07/15 12:53	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-17
Client ID: SB-47 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:20
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.2		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-18
Client ID: SB-49 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:25
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	3.0		mg/kg	1.1	0.25	1	08/07/15 07:50	08/07/15 12:54	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-19
Client ID: SB-49 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:30
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-20
Client ID: SB-50 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:35
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	08/07/15 03:21	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:55	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-21
Client ID: SB-50 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:45
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-22
Client ID: SB-51 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:55
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT
Cyanide, Total	0.28	J	mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:55	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-23
Client ID: SB-51 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 13:00
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.2		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-24
Client ID: SB-53 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 13:05
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/07/15 07:50	08/07/15 12:59	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-25
Client ID: SB-53 8-10
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 13:15
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-26
Client ID: SB-20 0-2
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 11:55
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.4		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT
Cyanide, Total	1.5		mg/kg	0.99	0.23	1	08/07/15 07:50	08/07/15 13:00	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-27
Client ID: SB-20 2-4
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 11:58
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.6		%	0.100	NA	1	-	08/07/15 03:41	30,2540G	RT
Cyanide, Total	1.4		mg/kg	1.0	0.23	1	08/07/15 07:50	08/07/15 13:01	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518556-28
Client ID: SB-20 4-6
Sample Location: 425 UNION BOULEVARD, WEST ISLI
Matrix: Soil

Date Collected: 08/05/15 12:01
Date Received: 08/06/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.3		%	0.100	NA	1	-	08/11/15 20:54	30,2540G	RT
Cyanide, Total	0.55	J	mg/kg	1.0	0.24	1	08/12/15 08:35	08/12/15 13:23	1,9010C/9012B	JO

Project Name: 7655 **Lab Number:** L1518556

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03,05,07,09,11,13,16,18,20 Batch: WG809921-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	08/07/15 07:50	08/07/15 12:39	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 22,24,26-27 Batch: WG809922-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	08/07/15 07:50	08/07/15 12:40	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 15,28 Batch: WG811295-1										
Cyanide, Total	ND		mg/kg	0.94	0.22	1	08/12/15 08:35	08/12/15 13:17	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518556

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20 Batch: WG809921-2 WG809921-3								
Cyanide, Total	103		97		80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 22,24,26-27 Batch: WG809922-2 WG809922-3								
Cyanide, Total	103		96		80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 15,28 Batch: WG811295-2 WG811295-3								
Cyanide, Total	**123**	Q	93		80-120	29		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,05,07,09,11,13,16,18,20 QC Batch ID: WG809921-4 WG809921-5 QC Sample: L1518556-01 Client ID: SB-36 0-2												
Cyanide, Total	0.55J	11	11	93		11	100		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 22,24,26-27 QC Batch ID: WG809922-4 WG809922-5 QC Sample: L1518556-22 Client ID: SB-51 0-2												
Cyanide, Total	0.28J	10	11	100		10	98		65-135	10		35
General Chemistry - Westborough Lab Associated sample(s): 15,28 QC Batch ID: WG811295-4 WG811295-5 QC Sample: L1518975-02 Client ID: MS Sample												
Cyanide, Total	0.56J	12	11	90		10	79		65-135	10		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG809891-1 QC Sample: L1518556-01 Client ID: SB-36 0-2						
Solids, Total	88.0	87.4	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 21-27 QC Batch ID: WG809897-1 QC Sample: L1518556-21 Client ID: SB-50 8-10						
Solids, Total	97.3	95.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 28 QC Batch ID: WG811179-1 QC Sample: L1517650-01 Client ID: DUP Sample						
Solids, Total	87.3	88.0	%	1		20

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518556-01A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-02A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-02B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-02C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-03A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-04A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-04B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-04C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-05A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-06A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-06B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-06C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-07A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-08A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-08B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-08C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518556-09A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-10A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-10B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-10C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-11A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-12A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-12B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-12C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-13A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-14A	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-14B	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1518556-14C	Vial Large Septa unpreserved (4o	A	N/A	3.3	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-15A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-15B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-15C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-16A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-17A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-17B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-17C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-18A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518556
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518556-19A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-19B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-19C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-20A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-21A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-21B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-21C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-22A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-23A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-23B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-23C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-24A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-25A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-25B	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1518556-25C	Vial Large Septa unpreserved (4o	B	N/A	2.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518556-26A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-27A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518556-28A	Glass 250ml/8oz unpreserved	B	N/A	2.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1518556
Project Number:	7655	**Report Date:**	08/18/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518556
Project Number:	7655	**Report Date:**	08/18/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518556
Project Number:	7655	**Report Date:**	08/18/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1518554

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 5

Serial_No:08181513:53

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com AND~~ mblight @impactenvironmental.com

Project Information

Project Name: 7655
Street: 405 Union Boulevard
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type (duplicate)	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL List (BNA)	RCRA Total Metals 7470 6010	Total Iron/Zinc 6010	Total Cyanide 9010B	(LAB USE ONLY)
-01	1 SB-36 0-2	S	G	8/4/15	10:00	1		1												X	X	X	
-02	2 SB-36 5-6	S	G	8/4/15	10:10	3		3										X	X				
-03	3 SB-37 0-2	S	G	8/4/15	10:30	1		1												X	X	X	
-04	4 SB-37 5-6	S	G	8/4/15	10:30	3		3										X	X				
-05	5 SB-38 0-2	S	G	8/4/15	11:35	1		1												X	X	X	
-06	6 SB-38 5-6	S	G	8/4/15	12:15	3		3										X	X				
-07	7 SB-39 2-3	S	G	8/4/15	11:10	1		1												X	X	X	
-08	8 SB-39 5-6	S	G	8/4/15	12:00	3		3										X	X				
-09	9 SB-56 0-2	S	G	8/4/15	12:15	1		1												X	X	X	
-10	10 SB-56 8-10	S	G	8/4/15	12:20	3		3										X	X				

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 M. Blight	1 8/6/15 1120	1 [illegible] AAL	2 [illegible]	2 8-6-15 1820	2 [illegible] 1820 8-6-15
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3 Tom Tobin	3 8/7/15 0130	3 Graham Phillips	4	4	4
Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5	5	5	Cooler Temp:	pH:	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518556

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 2 of 5

Serial_No:08181513:53

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Boulevard
City	Bohemia	**City**	West Islip
		State	NY
		Zip	
Project Contact	~~Waste Analyst AND~~ M. Blight	**Project #**	7655
Phone #	631-269-8800	**Fax #**	631-269-1599
Sampler's Name	M. Blight		
E-mail	~~Analyst@impactenvironmental.com AND~~ mblight@impactenvironmental.com	**Sampler's Signature**	

LAB SAMPLE #	Sample Information		Sample Collection				Sample Containers								Analytical Information											Matrix Codes
								Number of Each Preserved Bottle																		
(LAB USE ONLY)	Sample ID		Matrix Code	Sample Type	Sample Type Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL List (BNA)	RCRA Total Metals 6010	Total Iron/Zinc 6010	Total Cyanide 9010 B		(LAB USE ONLY)	L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW- Drinking Water DISS - Dissolved
-11	1 SB-55	0-2	S	G	8/4/15	12:30	1		1											X	X	X				
-12	2 SB-55	8-10	S	G	8/4/15	12:35	3		3										X	X						
-13	3 SB-48	0-2	S	G	8/4/15	12:45	1		1												X	X	X			
-14	4 SB-48	8-10	S	G	8/4/15	12:50	3		3										X	X						
-15	5 SB-20	6-8	S	G	8/5/15	12:03	3		3										X	X						
-16	6 SB-47	0-2	S	G	8/5/15	12:15	1		1												X	X	X			
-17	7 SB-47	8-16	S	G	8/5/15	12:20	3		3										X	X						
-18	8 SB-49	0-2	S	G	8/5/15	12:25	1		1												X	X	X			
-19	9 SB-49	8-10	S	G	8/5/15	12:35	3		3										X	X						
-20	10 SB-50	0-2	S	G	8/5/15	12:35	1		1												X	X	X			

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

* Please hold remaining sample volume For Sample ID: SB-20 6-8" *
* For potential metals analyses *

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8/6/15 1120	Kevin AAL	~~Kevin~~	8-6-15 1820	Tom Tobin 8-6-15 1820
2	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	Tom Tobin	8/7/15 0130	Mark Phillips	4	4	4
5	Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
	5	5	5	Cooler Temp:	pH:	[ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Updated March 2011

L518556

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Serial_No:08181513:53

Page 3 *of* 5

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Boulevard
City	Bohemia	**City**	West Islip **State** NY **Zip**
Project Contact	~~Waste Analyst AND~~ M. Blight	**Project #**	7655
Phone #	631-269-8800 **Fax #** 631-269-1599	**Sampler's Name**	M. Blight
E-mail	~~Analyst@impactenvironmental.com AND~~ mblight@impactenvironmental.com	**Sampler's Signature**	[signature]

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOCs 8260 TAL/TCL List	SVOCs 8270 TAL/TCL (BNA) List	RCRA Total Metals 6010/7470	Total Iron/Zinc 6010	Total Cyanide 9010 B		(LAB USE ONLY)
-21	1 SB-50 8-10	S	G	8/5/15	12:45	3		3										X	X	[crossed out]	[crossed out]		MB	
-22	2 SB-51 0-2	S	G	8/5/15	12:55	1		1								MB		[crossed out]		X	X	X		
-23	3 SB-51 8-10	S	G	8/5/15	13:00	3		3										X	X					
-24	4 SB-53 0-2	S	G	8/5/15	13:05	1		1												X	X	X		
-25	5 SB-53 8-10	S	G	8/5/15	13:15	3		3										X	X					
	6																							
	7																							
	8																							
	9																							
	10																							

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ______
- [ ] EDD Format______

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	1 8/6/15 1120	1 [signature] AAL	2 [signature]	2 8-6-15 1820	2 [signature] 8-6-15 1820
Relinquished by: 3 [signature]	**Date / Time:** 3 8/7/15 0130	**Received By:** 3 [signature]	**Relinquished By:** 4	**Date / Time:** 4	**Received By:** 4
Relinquished by: 5	**Date / Time:** 5	**Received By:** 5			

COOLER INFORMATION
Cooler Temp:______ pH:______ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L15|8556

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 4 of 5

Serial_No:08181511853

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	9655
Address	170 Keyland Court	**Street**	425 Union Boulevard
City	Bohemia	**City**	West Islip
		State	NY
		Zip	
Project Contact	~~Waste Analyst AND~~ m.Bluight	**Project #**	7655
Phone #	631-269-8800	**Fax #**	631-269-1599
E-mail	~~Analyst@impactenvironmental.com~~ AND mbluight @impactenvironmental.com	**Sampler's Name**	M. Bluight
		Sampler's Signature	M. Bluight

LAB SAMPLE #	Sample Information		Sample Collection				Sample Containers							Analytical Information										Matrix Codes
							Number of Each Preserved Bottle																		
(LAB USE ONLY)	Sample ID		Matrix Code	Sample Type	~~Sample Type~~ Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	RCRA Total Metals 7470 6010	Total Iron / Zinc 6010	Total Cyanide 9010B				L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW- Drinking Water DISS - Dissolved
-26	1 SB-20	0-2	S	G	8/5/15	11:55	1		1										X	X	X				**Sample Type** G=Grab C=Composite B=Blank
-27	2 SB-20	2-4	S	G	8/5/15	11:58	1		1										X	X	X				(LAB USE ONLY)
	3																								
	4																								
	5																								
	6																								
	7																								
	8																								
	9																								
	10																								

Turnaround Time (Business Days)

- ☐ Standard
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☐ ~~2 Day *RUSH*~~
- ☒ 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- ☒ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ PA QC Package
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-2)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other _____
- ☐ EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

24-hr Turnaround Requested

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1		8-6-15 1120	1 Kari AAL	2 Kari	2 8-6-15 1820	2 Tom Tobin 8-6-15 1820
3	Relinquished by: Tom Tobin	Date / Time: 8/7/15 0130	Received By: 3 Melissa Phillips	Relinquished By: 4	Date / Time: 4	Received By: 4
5	Relinquished by: 5	Date / Time: 5	Received By: 5	COOLER INFORMATION: Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)		

Updated March 2011

L2151855 6

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 5 of 5

Serial_No:08181513:53

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Boulevard
City	Bohemia	**City** / **State** / **Zip**	West Islip / NY /
Project Contact	~~Waste Analyst AND~~ M. Blusht	**Project #**	7655
Phone # / **Fax #**	631-269-8800 / 631-269-1599	**Sampler's Name**	M. Blusht
E-mail	~~Analyst@impactenvironmental.com AND~~ mblusht @impactenvironmental.com	**Sampler's Signature**	[signature]

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample ~~Type~~ Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters						(LAB USE ONLY)
-28	1 SB-20 4-6	S	G	8/5/15	12:01	1		1															
	2																						
	3																						
	4																						
	5																						
	6																						
	7																						
	8																						
	9																						
	10																						

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- ☐ Standard
- ☐ 5 Day *RUSH*
- ☐ 4 Day *RUSH*
- ☐ 3 Day *RUSH*
- ☐ 2 Day *RUSH*
- ☐ 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- ☐ Results Only (Level-1)
- ☐ Results plus Misc. QC (Level-2)
- ☐ Results plus ALL QC (Level-3)
- ☐ PA QC Package
- ☐ NJ QC Package (Level3NJ)
- ☐ CLP Category A (Level-2)
- ☐ CLP Category B (Level-4)
- ☐ ASP QC Package (Level-4)
- ☐ Other ____________
- ☐ EDD Format____________

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

* Please hold sample for potential total metals / total cyanide analyses *

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	1 8/6/15 1120	1 [signature] AAL	2 [signature]	2 8-6-15 1820	2 Tom Toben 8-6-15 1820
Relinquished by: 3 Tom Toben	Date / Time: 3 8/7/15 0130	Received By: 3 [signature]	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5	COOLER INFORMATION		
			Cooler Temp:________	pH:________	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1518815
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/18/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518815-01	SB-57 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 10:00	08/07/15
L1518815-02	SB-58 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 11:45	08/07/15
L1518815-03	SB-40 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:30	08/07/15
L1518815-04	SB-40 5-6	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:45	08/07/15
L1518815-05	SB-52 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:20	08/07/15
L1518815-06	SB-52 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:25	08/07/15
L1518815-07	SB-54 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:30	08/07/15
L1518815-08	SB-54 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:35	08/07/15
L1518815-09	SB-43 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:40	08/07/15
L1518815-10	SB-43 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/05/15 13:50	08/07/15
L1518815-11	SB-44 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:00	08/07/15
L1518815-12	SB-44 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:10	08/07/15
L1518815-13	SB-41 1-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:00	08/07/15
L1518815-14	SB-41 5-6	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:00	08/07/15
L1518815-15	SB-34 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:15	08/07/15
L1518815-16	SB-34 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:20	08/07/15
L1518815-17	SB-35 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:25	08/07/15
L1518815-18	SB-35 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:30	08/07/15
L1518815-19	SB-42 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:35	08/07/15
L1518815-20	SB-42 8-10	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:40	08/07/15
L1518815-21	SB-13 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:30	08/07/15
L1518815-22	SB-13 7-7.5	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:35	08/07/15
L1518815-23	SB-31 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:45	08/07/15
L1518815-24	SB-31 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:50	08/07/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518815-25	SB-32 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 08:55	08/07/15
L1518815-26	SB-32 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:00	08/07/15
L1518815-27	SB-30 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:05	08/07/15
L1518815-28	SB-30 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:10	08/07/15
L1518815-29	SB-28 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:15	08/07/15
L1518815-30	SB-28 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:22	08/07/15
L1518815-31	SB-29 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:25	08/07/15
L1518815-32	SB-29 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:30	08/07/15
L1518815-33	SB-33 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:35	08/07/15
L1518815-34	SB-33 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 09:45	08/07/15
L1518815-35	SB-12 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:00	08/07/15
L1518815-36	SB-12 7-8	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:15	08/07/15
L1518815-37	SB-9 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:20	08/07/15
L1518815-38	SB-9 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:25	08/07/15
L1518815-39	SB-8 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:50	08/07/15
L1518815-40	SB-8 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 10:55	08/07/15
L1518815-41	SB-11 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 11:00	08/07/15
L1518815-42	SB-11 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 11:05	08/07/15
L1518815-43	SB-10 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 11:10	08/07/15
L1518815-44	SB-10 8-9	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 11:20	08/07/15
L1518815-45	SB-7 0-2	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 12:00	08/07/15
L1518815-46	SB-7 10-12	SOIL	425 UNION BLVD., WEST ISLIP, NY	08/06/15 12:15	08/07/15

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655 **Lab Number:** L1518815
Project Number: 7655 **Report Date:** 08/18/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

The surrogate recoveries for L1518815-02 and -04 are below the acceptance criteria for dibromofluoromethane (48% and 54%, respectively), due to a known matrix effect caused by the high pH of the sample (>10).

Cyanide, Total

The WG810343-2 LCS recovery (126%), associated with L1518815-19, -21, -23, -25, -27, -29, -31, -33, -35, and -37, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/18/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01
Client ID: SB-57 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/13/15 16:28
Analyst: BN
Percent Solids: 95%

Date Collected: 08/05/15 10:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01 Date Collected: 08/05/15 10:00

Client ID: SB-57 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01 Date Collected: 08/05/15 10:00

Client ID: SB-57 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02
Client ID: SB-58 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/13/15 16:55
Analyst: BN
Percent Solids: 86%

Date Collected: 08/05/15 11:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.7	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02 Date Collected: 08/05/15 11:45

Client ID: SB-58 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	18		ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.78	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.7	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.19	1
p-Chlorotoluene	ND		ug/kg	5.8	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	1.1	J	ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02 Date Collected: 08/05/15 11:45

Client ID: SB-58 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.7	0.19	1
p-Ethyltoluene	ND		ug/kg	4.7	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.7	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	**48**	Q	70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04
Client ID: SB-40 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/13/15 17:22
Analyst: BN
Percent Solids: 98%

Date Collected: 08/05/15 13:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	1.2	J	ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04 Date Collected: 08/05/15 13:45

Client ID: SB-40 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	0.65	J	ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	0.65	J	ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	12		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	3.5	J	ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04 Date Collected: 08/05/15 13:45

Client ID: SB-40 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	**54**	Q	70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06
Client ID: SB-52 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/13/15 17:49
Analyst: BN
Percent Solids: 98%

Date Collected: 08/05/15 13:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06 Date Collected: 08/05/15 13:25

Client ID: SB-52 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	6.4	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06 Date Collected: 08/05/15 13:25

Client ID: SB-52 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08
Client ID: SB-54 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 14:25
Analyst: BN
Percent Solids: 98%

Date Collected: 08/05/15 13:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08 Date Collected: 08/05/15 13:35

Client ID: SB-54 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	14		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08 Date Collected: 08/05/15 13:35

Client ID: SB-54 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10
Client ID: SB-43 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 14:53
Analyst: BN
Percent Solids: 98%

Date Collected: 08/05/15 13:50
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10 Date Collected: 08/05/15 13:50

Client ID: SB-43 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	5.5	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10 Date Collected: 08/05/15 13:50

Client ID: SB-43 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12
Client ID: SB-44 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 15:22
Analyst: BN
Percent Solids: 99%

Date Collected: 08/06/15 08:10
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12 Date Collected: 08/06/15 08:10

Client ID: SB-44 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12 Date Collected: 08/06/15 08:10

Client ID: SB-44 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14
Client ID: SB-41 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 15:50
Analyst: BN
Percent Solids: 99%

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14 Date Collected: 08/06/15 09:00

Client ID: SB-41 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	9.4	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14 Date Collected: 08/06/15 09:00

Client ID: SB-41 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	86		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16
Client ID: SB-34 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 16:18
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 08:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16 Date Collected: 08/06/15 08:20

Client ID: SB-34 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16 Date Collected: 08/06/15 08:20

Client ID: SB-34 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18
Client ID: SB-35 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/14/15 16:46
Analyst: BN
Percent Solids: 97%

Date Collected: 08/06/15 08:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18 Date Collected: 08/06/15 08:30

Client ID: SB-35 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	6.6	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18 Date Collected: 08/06/15 08:30

Client ID: SB-35 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20
Client ID: SB-42 8-10
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 17:10
Analyst: BN
Percent Solids: 97%

Date Collected: 08/06/15 08:40
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20 Date Collected: 08/06/15 08:40

Client ID: SB-42 8-10 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	32		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.16	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20 Date Collected: 08/06/15 08:40

Client ID: SB-42 8-10 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22
Client ID: SB-13 7-7.5
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 17:38
Analyst: BN
Percent Solids: 96%

Date Collected: 08/06/15 08:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22 Date Collected: 08/06/15 08:35

Client ID: SB-13 7-7.5 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	16		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22 Date Collected: 08/06/15 08:35

Client ID: SB-13 7-7.5 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24
Client ID: SB-31 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 18:06
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 08:50
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24 Date Collected: 08/06/15 08:50

Client ID: SB-31 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24 Date Collected: 08/06/15 08:50

Client ID: SB-31 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26
Client ID: SB-32 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 18:34
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26 Date Collected: 08/06/15 09:00

Client ID: SB-32 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	7.9	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26 Date Collected: 08/06/15 09:00

Client ID: SB-32 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	104		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28
Client ID: SB-30 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 15:59
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 09:10
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28 Date Collected: 08/06/15 09:10

Client ID: SB-30 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	59		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28 Date Collected: 08/06/15 09:10

Client ID: SB-30 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	108		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30
Client ID: SB-28 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 16:28
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 09:22
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30 Date Collected: 08/06/15 09:22

Client ID: SB-28 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	ND		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30 Date Collected: 08/06/15 09:22

Client ID: SB-28 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	110		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32
Client ID: SB-29 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/15 17:42
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 09:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32 Date Collected: 08/06/15 09:30

Client ID: SB-29 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	42		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32 Date Collected: 08/06/15 09:30

Client ID: SB-29 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34
Client ID: SB-33 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 17:25
Analyst: BN
Percent Solids: 98%

Date Collected: 08/06/15 09:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34 Date Collected: 08/06/15 09:45

Client ID: SB-33 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	ND		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34 Date Collected: 08/06/15 09:45

Client ID: SB-33 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	110		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36
Client ID: SB-12 7-8
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/15 18:15
Analyst: BN
Percent Solids: 96%

Date Collected: 08/06/15 10:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	0.53	J	ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.64	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.30	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36 Date Collected: 08/06/15 10:15

Client ID: SB-12 7-8 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	0.23	J	ug/kg	2.1	0.20	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	0.23	J	ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	0.44	J	ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	0.44	J	ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	5.6	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.69	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	0.49	J	ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36 Date Collected: 08/06/15 10:15

Client ID: SB-12 7-8 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38
Client ID: SB-9 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 18:21
Analyst: BN
Percent Solids: 99%

Date Collected: 08/06/15 10:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38 Date Collected: 08/06/15 10:25

Client ID: SB-9 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	13		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.14	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38 Date Collected: 08/06/15 10:25

Client ID: SB-9 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40
Client ID: SB-8 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/15 18:46
Analyst: BN
Percent Solids: 96%

Date Collected: 08/06/15 10:55
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	300		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	0.24	J	ug/kg	1.0	0.12	1
Toluene	0.94	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.35	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40 Date Collected: 08/06/15 10:55

Client ID: SB-8 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	1.3	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40 Date Collected: 08/06/15 10:55

Client ID: SB-8 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.2	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42
Client ID: SB-11 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/15/15 19:17
Analyst: BN
Percent Solids: 97%

Date Collected: 08/06/15 11:05
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42 Date Collected: 08/06/15 11:05

Client ID: SB-11 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	42		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42 Date Collected: 08/06/15 11:05

Client ID: SB-11 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	111		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44
Client ID: SB-10 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 13:42
Analyst: MV
Percent Solids: 98%

Date Collected: 08/06/15 11:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44 Date Collected: 08/06/15 11:20

Client ID: SB-10 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	7.2	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44 Date Collected: 08/06/15 11:20

Client ID: SB-10 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	96		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46
Client ID: SB-7 10-12
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/15 13:15
Analyst: MV
Percent Solids: 90%

Date Collected: 08/06/15 12:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46 Date Collected: 08/06/15 12:15

Client ID: SB-7 10-12 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	11		ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	1.2		ug/kg	1.1	0.14	1
Naphthalene	6.1		ug/kg	5.6	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	2.4	J	ug/kg	5.6	0.16	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46 Date Collected: 08/06/15 12:15

Client ID: SB-7 10-12 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	8.8		ug/kg	4.4	0.18	1
p-Ethyltoluene	0.35	J	ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	4.3	J	ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 09:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06 Batch: WG811808-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 09:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06 Batch: WG811808-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 09:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06 Batch: WG811808-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/13/15 09:22
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06 Batch: WG811808-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 08:57
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,14,16,18 Batch: WG812203-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 08:57
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,14,16,18 Batch: WG812203-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 08:57
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,14,16,18 Batch: WG812203-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/14/15 08:57
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,14,16,18 Batch: WG812203-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28,30,34,38,42 Batch: WG812604-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28,30,34,38,42 Batch: WG812604-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28,30,34,38,42 Batch: WG812604-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:49
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 28,30,34,38,42 Batch: WG812604-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20,22,24,26 Batch: WG812611-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20,22,24,26 Batch: WG812611-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20,22,24,26 Batch: WG812611-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/15/15 10:37
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 20,22,24,26 Batch: WG812611-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 32,36,40 Batch: WG813074-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 32,36,40 Batch: WG813074-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 32,36,40 Batch: WG813074-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/15 09:13
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 32,36,40 Batch: WG813074-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 10:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44,46 Batch: WG813155-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 10:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44,46 Batch: WG813155-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 10:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44,46 Batch: WG813155-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 10:55
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44,46 Batch: WG813155-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06 Batch: WG811808-1 WG811808-2								
Methylene chloride	110		102		70-130	8		30
1,1-Dichloroethane	113		107		70-130	5		30
Chloroform	116		109		70-130	6		30
Carbon tetrachloride	113		108		70-130	5		30
1,2-Dichloropropane	112		104		70-130	7		30
Dibromochloromethane	98		93		70-130	5		30
2-Chloroethylvinyl ether	94		84		70-130	11		30
1,1,2-Trichloroethane	108		101		70-130	7		30
Tetrachloroethene	108		101		70-130	7		30
Chlorobenzene	108		101		70-130	7		30
Trichlorofluoromethane	119		114		70-139	4		30
1,2-Dichloroethane	110		103		70-130	7		30
1,1,1-Trichloroethane	120		111		70-130	8		30
Bromodichloromethane	116		107		70-130	8		30
trans-1,3-Dichloropropene	109		103		70-130	6		30
cis-1,3-Dichloropropene	113		105		70-130	7		30
1,1-Dichloropropene	121		113		70-130	7		30
Bromoform	95		91		70-130	4		30
1,1,2,2-Tetrachloroethane	104		96		70-130	8		30
Benzene	117		109		70-130	7		30
Toluene	112		105		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06 Batch: WG811808-1 WG811808-2								
Ethylbenzene	117		108		70-130	8		30
Chloromethane	109		100		52-130	9		30
Bromomethane	137		122		57-147	12		30
Vinyl chloride	**133**	Q	124		67-130	7		30
Chloroethane	149		138		50-151	8		30
1,1-Dichloroethene	113		108		65-135	5		30
trans-1,2-Dichloroethene	113		106		70-130	6		30
Trichloroethene	117		109		70-130	7		30
1,2-Dichlorobenzene	104		95		70-130	9		30
1,3-Dichlorobenzene	107		98		70-130	9		30
1,4-Dichlorobenzene	105		97		70-130	8		30
Methyl tert butyl ether	102		97		66-130	5		30
p/m-Xylene	115		105		70-130	9		30
o-Xylene	112		102		70-130	9		30
cis-1,2-Dichloroethene	111		104		70-130	7		30
Dibromomethane	109		101		70-130	8		30
Styrene	112		103		70-130	8		30
Dichlorodifluoromethane	114		108		30-146	5		30
Acetone	84		80		54-140	5		30
Carbon disulfide	108		102		59-130	6		30
2-Butanone	82		77		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06 Batch: WG811808-1 WG811808-2								
Vinyl acetate	88		81		70-130	8		30
4-Methyl-2-pentanone	90		83		70-130	8		30
1,2,3-Trichloropropane	104		97		68-130	7		30
2-Hexanone	75		72		70-130	4		30
Bromochloromethane	105		98		70-130	7		30
2,2-Dichloropropane	123		112		70-130	9		30
1,2-Dibromoethane	101		96		70-130	5		30
1,3-Dichloropropane	109		102		69-130	7		30
1,1,1,2-Tetrachloroethane	102		96		70-130	6		30
Bromobenzene	105		97		70-130	8		30
n-Butylbenzene	122		110		70-130	10		30
sec-Butylbenzene	118		107		70-130	10		30
tert-Butylbenzene	110		101		70-130	9		30
o-Chlorotoluene	115		107		70-130	7		30
p-Chlorotoluene	117		106		70-130	10		30
1,2-Dibromo-3-chloropropane	91		84		68-130	8		30
Hexachlorobutadiene	113		103		67-130	9		30
Isopropylbenzene	114		105		70-130	8		30
p-Isopropyltoluene	111		102		70-130	8		30
Naphthalene	87		80		70-130	8		30
Acrylonitrile	92		88		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06 Batch: WG811808-1 WG811808-2								
Diisopropyl Ether	97		91		66-130	6		30
Tert-Butyl Alcohol	71		**69**	Q	70-130	3		30
n-Propylbenzene	119		108		70-130	10		30
1,2,3-Trichlorobenzene	97		89		70-130	9		30
1,2,4-Trichlorobenzene	102		93		70-130	9		30
1,3,5-Trimethylbenzene	114		104		70-130	9		30
1,2,4-Trimethylbenzene	113		104		70-130	8		30
Methyl Acetate	81		77		51-146	5		30
Ethyl Acetate	80		76		70-130	5		30
Acrolein	86		84		70-130	2		30
Cyclohexane	109		102		59-142	7		30
1,4-Dioxane	88		82		65-136	7		30
Freon-113	115		108		50-139	6		30
p-Diethylbenzene	110		101		70-130	9		30
p-Ethyltoluene	115		106		70-130	8		30
1,2,4,5-Tetramethylbenzene	104		95		70-130	9		30
Tetrahydrofuran	77		77		66-130	0		30
Ethyl ether	107		102		67-130	5		30
trans-1,4-Dichloro-2-butene	96		87		70-130	10		30
Methyl cyclohexane	120		111		70-130	8		30
Ethyl-Tert-Butyl-Ether	101		96		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06 Batch: WG811808-1 WG811808-2								
Tertiary-Amyl Methyl Ether	104		99		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,14,16,18 Batch: WG812203-1 WG812203-2								
Methylene chloride	94		90		70-130	4		30
1,1-Dichloroethane	99		94		70-130	5		30
Chloroform	100		95		70-130	5		30
Carbon tetrachloride	100		91		70-130	9		30
1,2-Dichloropropane	96		92		70-130	4		30
Dibromochloromethane	96		93		70-130	3		30
2-Chloroethylvinyl ether	89		87		70-130	2		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	102		95		70-130	7		30
Chlorobenzene	98		94		70-130	4		30
Trichlorofluoromethane	131		108		70-139	19		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	101		94		70-130	7		30
Bromodichloromethane	97		93		70-130	4		30
trans-1,3-Dichloropropene	93		91		70-130	2		30
cis-1,3-Dichloropropene	93		89		70-130	4		30
1,1-Dichloropropene	101		95		70-130	6		30
Bromoform	80		76		70-130	5		30
1,1,2,2-Tetrachloroethane	97		95		70-130	2		30
Benzene	99		93		70-130	6		30
Toluene	100		94		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,14,16,18 Batch: WG812203-1 WG812203-2								
Ethylbenzene	101		96		70-130	5		30
Chloromethane	100		92		52-130	8		30
Bromomethane	123		106		57-147	15		30
Vinyl chloride	111		100		67-130	10		30
Chloroethane	138		114		50-151	19		30
1,1-Dichloroethene	102		94		65-135	8		30
trans-1,2-Dichloroethene	99		92		70-130	7		30
Trichloroethene	100		94		70-130	6		30
1,2-Dichlorobenzene	99		95		70-130	4		30
1,3-Dichlorobenzene	101		96		70-130	5		30
1,4-Dichlorobenzene	99		95		70-130	4		30
Methyl tert butyl ether	87		86		66-130	1		30
p/m-Xylene	99		94		70-130	5		30
o-Xylene	98		93		70-130	5		30
cis-1,2-Dichloroethene	99		92		70-130	7		30
Dibromomethane	97		93		70-130	4		30
Styrene	97		93		70-130	4		30
Dichlorodifluoromethane	109		98		30-146	11		30
Acetone	94		92		54-140	2		30
Carbon disulfide	90		84		59-130	7		30
2-Butanone	82		80		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,14,16,18 Batch: WG812203-1 WG812203-2								
Vinyl acetate	87		86		70-130	1		30
4-Methyl-2-pentanone	75		73		70-130	3		30
1,2,3-Trichloropropane	96		93		68-130	3		30
2-Hexanone	76		77		70-130	1		30
Bromochloromethane	100		94		70-130	6		30
2,2-Dichloropropane	96		88		70-130	9		30
1,2-Dibromoethane	97		96		70-130	1		30
1,3-Dichloropropane	98		96		69-130	2		30
1,1,1,2-Tetrachloroethane	96		92		70-130	4		30
Bromobenzene	96		91		70-130	5		30
n-Butylbenzene	107		100		70-130	7		30
sec-Butylbenzene	103		97		70-130	6		30
tert-Butylbenzene	101		93		70-130	8		30
o-Chlorotoluene	102		97		70-130	5		30
p-Chlorotoluene	103		97		70-130	6		30
1,2-Dibromo-3-chloropropane	80		80		68-130	0		30
Hexachlorobutadiene	95		89		67-130	7		30
Isopropylbenzene	101		94		70-130	7		30
p-Isopropyltoluene	101		94		70-130	7		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	84		86		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,14,16,18 Batch: WG812203-1 WG812203-2								
Diisopropyl Ether	97		94		66-130	3		30
Tert-Butyl Alcohol	**60**	Q	**62**	Q	70-130	3		30
n-Propylbenzene	103		96		70-130	7		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	96		92		70-130	4		30
1,3,5-Trimethylbenzene	101		95		70-130	6		30
1,2,4-Trimethylbenzene	100		94		70-130	6		30
Methyl Acetate	86		84		51-146	2		30
Ethyl Acetate	83		85		70-130	2		30
Acrolein	82		82		70-130	0		30
Cyclohexane	104		96		59-142	8		30
1,4-Dioxane	85		84		65-136	1		30
Freon-113	106		97		50-139	9		30
p-Diethylbenzene	100		94		70-130	6		30
p-Ethyltoluene	102		96		70-130	6		30
1,2,4,5-Tetramethylbenzene	96		92		70-130	4		30
Tetrahydrofuran	92		83		66-130	10		30
Ethyl ether	95		91		67-130	4		30
trans-1,4-Dichloro-2-butene	94		91		70-130	3		30
Methyl cyclohexane	103		95		70-130	8		30
Ethyl-Tert-Butyl-Ether	90		86		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab	Associated sample(s):	08,10,12,14,16,18	Batch:	WG812203-1	WG812203-2			
Tertiary-Amyl Methyl Ether	84		82		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		101		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28,30,34,38,42 Batch: WG812604-1 WG812604-2								
Methylene chloride	91		90		70-130	1		30
1,1-Dichloroethane	94		95		70-130	1		30
Chloroform	95		95		70-130	0		30
Carbon tetrachloride	105		106		70-130	1		30
1,2-Dichloropropane	90		90		70-130	0		30
Dibromochloromethane	99		100		70-130	1		30
2-Chloroethylvinyl ether	88		78		70-130	12		30
1,1,2-Trichloroethane	93		92		70-130	1		30
Tetrachloroethene	108		107		70-130	1		30
Chlorobenzene	99		99		70-130	0		30
Trichlorofluoromethane	115		115		70-139	0		30
1,2-Dichloroethane	85		85		70-130	0		30
1,1,1-Trichloroethane	99		99		70-130	0		30
Bromodichloromethane	87		89		70-130	2		30
trans-1,3-Dichloropropene	91		90		70-130	1		30
cis-1,3-Dichloropropene	88		88		70-130	0		30
1,1-Dichloropropene	95		94		70-130	1		30
Bromoform	95		96		70-130	1		30
1,1,2,2-Tetrachloroethane	90		87		70-130	3		30
Benzene	92		92		70-130	0		30
Toluene	97		98		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28,30,34,38,42 Batch: WG812604-1 WG812604-2								
Ethylbenzene	100		99		70-130	1		30
Chloromethane	92		92		52-130	0		30
Bromomethane	115		112		57-147	3		30
Vinyl chloride	90		91		67-130	1		30
Chloroethane	91		90		50-151	1		30
1,1-Dichloroethene	93		93		65-135	0		30
trans-1,2-Dichloroethene	96		97		70-130	1		30
Trichloroethene	98		98		70-130	0		30
1,2-Dichlorobenzene	101		100		70-130	1		30
1,3-Dichlorobenzene	102		101		70-130	1		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	82		79		66-130	4		30
p/m-Xylene	102		101		70-130	1		30
o-Xylene	98		98		70-130	0		30
cis-1,2-Dichloroethene	95		95		70-130	0		30
Dibromomethane	91		90		70-130	1		30
Styrene	98		98		70-130	0		30
Dichlorodifluoromethane	132		135		30-146	2		30
Acetone	74		72		54-140	3		30
Carbon disulfide	78		79		59-130	1		30
2-Butanone	78		75		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

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Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28,30,34,38,42 Batch: WG812604-1 WG812604-2								
Vinyl acetate	88		86		70-130	2		30
4-Methyl-2-pentanone	82		80		70-130	2		30
1,2,3-Trichloropropane	90		88		68-130	2		30
2-Hexanone	**69**	Q	**66**	Q	70-130	4		30
Bromochloromethane	99		97		70-130	2		30
2,2-Dichloropropane	93		94		70-130	1		30
1,2-Dibromoethane	93		94		70-130	1		30
1,3-Dichloropropane	92		91		69-130	1		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	100		100		70-130	0		30
n-Butylbenzene	104		103		70-130	1		30
sec-Butylbenzene	104		104		70-130	0		30
tert-Butylbenzene	104		104		70-130	0		30
o-Chlorotoluene	100		100		70-130	0		30
p-Chlorotoluene	98		99		70-130	1		30
1,2-Dibromo-3-chloropropane	94		93		68-130	1		30
Hexachlorobutadiene	113		112		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	107		107		70-130	0		30
Naphthalene	91		89		70-130	2		30
Acrylonitrile	78		75		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28,30,34,38,42 Batch: WG812604-1 WG812604-2								
Diisopropyl Ether	80		79		66-130	1		30
Tert-Butyl Alcohol	78		77		70-130	1		30
n-Propylbenzene	101		100		70-130	1		30
1,2,3-Trichlorobenzene	102		99		70-130	3		30
1,2,4-Trichlorobenzene	105		103		70-130	2		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
Methyl Acetate	72		70		51-146	3		30
Ethyl Acetate	**66**	Q	**63**	Q	70-130	5		30
Acrolein	74		72		70-130	3		30
Cyclohexane	100		100		59-142	0		30
1,4-Dioxane	83		90		65-136	8		30
Freon-113	91		92		50-139	1		30
p-Diethylbenzene	100		98		70-130	2		30
p-Ethyltoluene	99		99		70-130	0		30
1,2,4,5-Tetramethylbenzene	100		98		70-130	2		30
Tetrahydrofuran	73		70		66-130	4		30
Ethyl ether	70		68		67-130	3		30
trans-1,4-Dichloro-2-butene	76		74		70-130	3		30
Methyl cyclohexane	103		102		70-130	1		30
Ethyl-Tert-Butyl-Ether	85		83		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 28,30,34,38,42 Batch: WG812604-1 WG812604-2								
Tertiary-Amyl Methyl Ether	85		83		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	99		101		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20,22,24,26 Batch: WG812611-1 WG812611-2								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	106		104		70-130	2		30
Chloroform	104		101		70-130	3		30
Carbon tetrachloride	102		96		70-130	6		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	96		96		70-130	0		30
2-Chloroethylvinyl ether	87		90		70-130	3		30
1,1,2-Trichloroethane	104		105		70-130	1		30
Tetrachloroethene	96		94		70-130	2		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	107		129		70-139	19		30
1,2-Dichloroethane	104		105		70-130	1		30
1,1,1-Trichloroethane	103		99		70-130	4		30
Bromodichloromethane	101		100		70-130	1		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	94		93		70-130	1		30
1,1-Dichloropropene	104		101		70-130	3		30
Bromoform	77		79		70-130	3		30
1,1,2,2-Tetrachloroethane	101		103		70-130	2		30
Benzene	104		100		70-130	4		30
Toluene	103		99		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20,22,24,26 Batch: WG812611-1 WG812611-2								
Ethylbenzene	104		102		70-130	2		30
Chloromethane	113		111		52-130	2		30
Bromomethane	119		116		57-147	3		30
Vinyl chloride	115		108		67-130	6		30
Chloroethane	142		133		50-151	7		30
1,1-Dichloroethene	102		95		65-135	7		30
trans-1,2-Dichloroethene	101		96		70-130	5		30
Trichloroethene	104		98		70-130	6		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	97		96		70-130	1		30
1,4-Dichlorobenzene	96		96		70-130	0		30
Methyl tert butyl ether	87		88		66-130	1		30
p/m-Xylene	101		97		70-130	4		30
o-Xylene	99		96		70-130	3		30
cis-1,2-Dichloroethene	98		97		70-130	1		30
Dibromomethane	101		98		70-130	3		30
Styrene	98		97		70-130	1		30
Dichlorodifluoromethane	107		101		30-146	6		30
Acetone	102		102		54-140	0		30
Carbon disulfide	98		92		59-130	6		30
2-Butanone	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20,22,24,26 Batch: WG812611-1 WG812611-2								
Vinyl acetate	97		97		70-130	0		30
4-Methyl-2-pentanone	74		79		70-130	7		30
1,2,3-Trichloropropane	99		102		68-130	3		30
2-Hexanone	79		82		70-130	4		30
Bromochloromethane	99		97		70-130	2		30
2,2-Dichloropropane	98		92		70-130	6		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	96		95		70-130	1		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	108		106		70-130	2		30
sec-Butylbenzene	104		100		70-130	4		30
tert-Butylbenzene	99		97		70-130	2		30
o-Chlorotoluene	105		102		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	79		78		68-130	1		30
Hexachlorobutadiene	86		85		67-130	1		30
Isopropylbenzene	101		97		70-130	4		30
p-Isopropyltoluene	100		96		70-130	4		30
Naphthalene	86		88		70-130	2		30
Acrylonitrile	93		93		70-130	0		30

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Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20,22,24,26 Batch: WG812611-1 WG812611-2								
Diisopropyl Ether	104		103		66-130	1		30
Tert-Butyl Alcohol	**62**	Q	**64**	Q	70-130	3		30
n-Propylbenzene	105		101		70-130	4		30
1,2,3-Trichlorobenzene	87		87		70-130	0		30
1,2,4-Trichlorobenzene	88		87		70-130	1		30
1,3,5-Trimethylbenzene	102		98		70-130	4		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
Methyl Acetate	97		100		51-146	3		30
Ethyl Acetate	92		95		70-130	3		30
Acrolein	88		88		70-130	0		30
Cyclohexane	105		100		59-142	5		30
1,4-Dioxane	88		84		65-136	5		30
Freon-113	101		99		50-139	2		30
p-Diethylbenzene	98		96		70-130	2		30
p-Ethyltoluene	102		99		70-130	3		30
1,2,4,5-Tetramethylbenzene	94		92		70-130	2		30
Tetrahydrofuran	94		105		66-130	11		30
Ethyl ether	97		96		67-130	1		30
trans-1,4-Dichloro-2-butene	103		104		70-130	1		30
Methyl cyclohexane	99		94		70-130	5		30
Ethyl-Tert-Butyl-Ether	91		91		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 20,22,24,26 Batch: WG812611-1 WG812611-2								
Tertiary-Amyl Methyl Ether	82		83		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		109		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 32,36,40 Batch: WG813074-1 WG813074-2								
Methylene chloride	93		88		70-130	6		30
1,1-Dichloroethane	93		84		70-130	10		30
Chloroform	96		89		70-130	8		30
Carbon tetrachloride	113		99		70-130	13		30
1,2-Dichloropropane	88		83		70-130	6		30
Dibromochloromethane	102		100		70-130	2		30
2-Chloroethylvinyl ether	80		70		70-130	13		30
1,1,2-Trichloroethane	92		90		70-130	2		30
Tetrachloroethene	114		101		70-130	12		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	138		116		70-139	17		30
1,2-Dichloroethane	80		79		70-130	1		30
1,1,1-Trichloroethane	104		90		70-130	14		30
Bromodichloromethane	89		86		70-130	3		30
trans-1,3-Dichloropropene	90		87		70-130	3		30
cis-1,3-Dichloropropene	90		86		70-130	5		30
1,1-Dichloropropene	101		86		70-130	16		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	89		89		70-130	0		30
Benzene	95		86		70-130	10		30
Toluene	101		90		70-130	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 32,36,40 Batch: WG813074-1 WG813074-2								
Ethylbenzene	102		92		70-130	10		30
Chloromethane	86		74		52-130	15		30
Bromomethane	136		118		57-147	14		30
Vinyl chloride	105		86		67-130	20		30
Chloroethane	107		89		50-151	18		30
1,1-Dichloroethene	113		94		65-135	18		30
trans-1,2-Dichloroethene	102		91		70-130	11		30
Trichloroethene	101		91		70-130	10		30
1,2-Dichlorobenzene	103		99		70-130	4		30
1,3-Dichlorobenzene	104		98		70-130	6		30
1,4-Dichlorobenzene	104		97		70-130	7		30
Methyl tert butyl ether	84		82		66-130	2		30
p/m-Xylene	105		96		70-130	9		30
o-Xylene	102		93		70-130	9		30
cis-1,2-Dichloroethene	100		92		70-130	8		30
Dibromomethane	90		88		70-130	2		30
Styrene	102		95		70-130	7		30
Dichlorodifluoromethane	**162**	Q	135		30-146	18		30
Acetone	65		59		54-140	10		30
Carbon disulfide	98		82		59-130	18		30
2-Butanone	71		**67**	Q	70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 32,36,40 Batch: WG813074-1 WG813074-2								
Vinyl acetate	76		74		70-130	3		30
4-Methyl-2-pentanone	75		77		70-130	3		30
1,2,3-Trichloropropane	87		86		68-130	1		30
2-Hexanone	**60**	Q	**58**	Q	70-130	3		30
Bromochloromethane	102		98		70-130	4		30
2,2-Dichloropropane	95		84		70-130	12		30
1,2-Dibromoethane	97		95		70-130	2		30
1,3-Dichloropropane	91		90		69-130	1		30
1,1,1,2-Tetrachloroethane	102		97		70-130	5		30
Bromobenzene	103		97		70-130	6		30
n-Butylbenzene	106		93		70-130	13		30
sec-Butylbenzene	109		95		70-130	14		30
tert-Butylbenzene	108		97		70-130	11		30
o-Chlorotoluene	100		92		70-130	8		30
p-Chlorotoluene	101		92		70-130	9		30
1,2-Dibromo-3-chloropropane	98		101		68-130	3		30
Hexachlorobutadiene	119		105		67-130	13		30
Isopropylbenzene	108		97		70-130	11		30
p-Isopropyltoluene	112		99		70-130	12		30
Naphthalene	93		93		70-130	0		30
Acrylonitrile	**67**	Q	**68**	Q	70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 32,36,40 Batch: WG813074-1 WG813074-2								
Diisopropyl Ether	70		66		66-130	6		30
Tert-Butyl Alcohol	76		80		70-130	5		30
n-Propylbenzene	103		90		70-130	13		30
1,2,3-Trichlorobenzene	103		100		70-130	3		30
1,2,4-Trichlorobenzene	108		102		70-130	6		30
1,3,5-Trimethylbenzene	105		96		70-130	9		30
1,2,4-Trimethylbenzene	103		94		70-130	9		30
Methyl Acetate	61		63		51-146	3		30
Ethyl Acetate	**55**	Q	**56**	Q	70-130	2		30
Acrolein	**69**	Q	72		70-130	4		30
Cyclohexane	101		85		59-142	17		30
1,4-Dioxane	86		92		65-136	7		30
Freon-113	113		96		50-139	16		30
p-Diethylbenzene	106		95		70-130	11		30
p-Ethyltoluene	105		95		70-130	10		30
1,2,4,5-Tetramethylbenzene	105		99		70-130	6		30
Tetrahydrofuran	**54**	Q	**55**	Q	66-130	2		30
Ethyl ether	82		78		67-130	5		30
trans-1,4-Dichloro-2-butene	**69**	Q	**69**	Q	70-130	0		30
Methyl cyclohexane	116		97		70-130	18		30
Ethyl-Tert-Butyl-Ether	81		79		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 32,36,40 Batch: WG813074-1 WG813074-2								
Tertiary-Amyl Methyl Ether	87		85		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		86		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	91		91		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44,46 Batch: WG813155-1 WG813155-2								
Methylene chloride	102		101		70-130	1		30
1,1-Dichloroethane	110		109		70-130	1		30
Chloroform	104		105		70-130	1		30
Carbon tetrachloride	100		100		70-130	0		30
1,2-Dichloropropane	106		106		70-130	0		30
Dibromochloromethane	97		97		70-130	0		30
2-Chloroethylvinyl ether	102		100		70-130	2		30
1,1,2-Trichloroethane	109		108		70-130	1		30
Tetrachloroethene	94		93		70-130	1		30
Chlorobenzene	99		100		70-130	1		30
Trichlorofluoromethane	110		105		70-139	5		30
1,2-Dichloroethane	109		110		70-130	1		30
1,1,1-Trichloroethane	101		102		70-130	1		30
Bromodichloromethane	99		101		70-130	2		30
trans-1,3-Dichloropropene	102		102		70-130	0		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	81		81		70-130	0		30
1,1,2,2-Tetrachloroethane	112		112		70-130	0		30
Benzene	104		104		70-130	0		30
Toluene	103		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44,46 Batch: WG813155-1 WG813155-2								
Ethylbenzene	102		103		70-130	1		30
Chloromethane	114		110		52-130	4		30
Bromomethane	89		92		57-147	3		30
Vinyl chloride	111		107		67-130	4		30
Chloroethane	139		135		50-151	3		30
1,1-Dichloroethene	104		100		65-135	4		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	102		103		70-130	1		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	97		97		70-130	0		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	96		97		70-130	1		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	102		101		70-130	1		30
Styrene	94		95		70-130	1		30
Dichlorodifluoromethane	37		116		30-146	**103**	Q	30
Acetone	114		116		54-140	2		30
Carbon disulfide	103		101		59-130	2		30
2-Butanone	108		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44,46 Batch: WG813155-1 WG813155-2								
Vinyl acetate	105		104		70-130	1		30
4-Methyl-2-pentanone	88		88		70-130	0		30
1,2,3-Trichloropropane	115		112		68-130	3		30
2-Hexanone	93		92		70-130	1		30
Bromochloromethane	100		100		70-130	0		30
2,2-Dichloropropane	101		100		70-130	1		30
1,2-Dibromoethane	100		99		70-130	1		30
1,3-Dichloropropane	108		109		69-130	1		30
1,1,1,2-Tetrachloroethane	97		97		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	112		111		70-130	1		30
sec-Butylbenzene	105		105		70-130	0		30
tert-Butylbenzene	100		99		70-130	1		30
o-Chlorotoluene	108		108		70-130	0		30
p-Chlorotoluene	108		108		70-130	0		30
1,2-Dibromo-3-chloropropane	86		82		68-130	5		30
Hexachlorobutadiene	87		86		67-130	1		30
Isopropylbenzene	101		102		70-130	1		30
p-Isopropyltoluene	100		100		70-130	0		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	110		110		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44,46 Batch: WG813155-1 WG813155-2								
Diisopropyl Ether	111		112		66-130	1		30
Tert-Butyl Alcohol	77		75		70-130	3		30
n-Propylbenzene	108		107		70-130	1		30
1,2,3-Trichlorobenzene	90		89		70-130	1		30
1,2,4-Trichlorobenzene	91		90		70-130	1		30
1,3,5-Trimethylbenzene	103		102		70-130	1		30
1,2,4-Trimethylbenzene	102		102		70-130	0		30
Methyl Acetate	111		107		51-146	4		30
Ethyl Acetate	107		105		70-130	2		30
Acrolein	105		100		70-130	5		30
Cyclohexane	113		114		59-142	1		30
1,4-Dioxane	94		92		65-136	2		30
Freon-113	110		106		50-139	4		30
p-Diethylbenzene	99		99		70-130	0		30
p-Ethyltoluene	105		104		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		30
Tetrahydrofuran	115		107		66-130	7		30
Ethyl ether	111		106		67-130	5		30
trans-1,4-Dichloro-2-butene	124		126		70-130	2		30
Methyl cyclohexane	106		105		70-130	1		30
Ethyl-Tert-Butyl-Ether	97		97		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44,46 Batch: WG813155-1 WG813155-2								
Tertiary-Amyl Methyl Ether	87		88		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		109		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	98		97		70-130

SEMIVOLATILES

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01
Client ID: SB-57 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 20:22
Analyst: JB
Percent Solids: 95%

Date Collected: 08/05/15 10:00
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01 Date Collected: 08/05/15 10:00

Client ID: SB-57 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01 Date Collected: 08/05/15 10:00

Client ID: SB-57 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	109		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02
Client ID: SB-58 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 20:48
Analyst: JB
Percent Solids: 86%

Date Collected: 08/05/15 11:45
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	63.	1
Hexachlorobenzene	ND		ug/kg	110	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	63.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	58.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	49.	1
Fluoranthene	ND		ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	67.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	58.	1
Hexachlorobutadiene	ND		ug/kg	190	54.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	120	1
Hexachloroethane	ND		ug/kg	150	35.	1
Isophorone	ND		ug/kg	170	51.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	57.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	47.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02 Date Collected: 08/05/15 11:45

Client ID: SB-58 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	39.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	ND		ug/kg	110	38.	1
Acenaphthylene	ND		ug/kg	150	36.	1
Anthracene	ND		ug/kg	110	32.	1
Benzo(ghi)perylene	ND		ug/kg	150	40.	1
Fluorene	ND		ug/kg	190	55.	1
Phenanthrene	ND		ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	42.	1
Pyrene	ND		ug/kg	110	37.	1
Biphenyl	ND		ug/kg	440	63.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	54.	1
3-Nitroaniline	ND		ug/kg	190	53.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	64.	1
2-Methylnaphthalene	ND		ug/kg	230	61.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	59.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
P-Chloro-M-Cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	62.	1
2,4-Dimethylphenol	ND		ug/kg	190	57.	1
2-Nitrophenol	ND		ug/kg	410	60.	1
4-Nitrophenol	ND		ug/kg	270	62.	1
2,4-Dinitrophenol	ND		ug/kg	920	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	70.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	63.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	62.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	41.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02 Date Collected: 08/05/15 11:45

Client ID: SB-58 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	24		10-136
4-Terphenyl-d14	108		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04
Client ID: SB-40 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 21:14
Analyst: JB
Percent Solids: 98%

Date Collected: 08/05/15 13:45
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	54.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	42.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04 Date Collected: 08/05/15 13:45

Client ID: SB-40 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	32.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04 Date Collected: 08/05/15 13:45

Client ID: SB-40 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	109		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06
Client ID: SB-52 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 21:39
Analyst: JB
Percent Solids: 98%

Date Collected: 08/05/15 13:25
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06 Date Collected: 08/05/15 13:25

Client ID: SB-52 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06 Date Collected: 08/05/15 13:25

Client ID: SB-52 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	107		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08
Client ID: SB-54 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 22:03
Analyst: JB
Percent Solids: 98%

Date Collected: 08/05/15 13:35
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08 Date Collected: 08/05/15 13:35

Client ID: SB-54 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08 Date Collected: 08/05/15 13:35

Client ID: SB-54 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	110		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10
Client ID: SB-43 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 22:29
Analyst: JB
Percent Solids: 98%

Date Collected: 08/05/15 13:50
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	54.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	42.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10 Date Collected: 08/05/15 13:50

Client ID: SB-43 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	32.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	51.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10 Date Collected: 08/05/15 13:50

Client ID: SB-43 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	110		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12
Client ID: SB-44 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 22:54
Analyst: JB
Percent Solids: 99%

Date Collected: 08/06/15 08:10
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12 Date Collected: 08/06/15 08:10

Client ID: SB-44 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12 Date Collected: 08/06/15 08:10

Client ID: SB-44 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	111		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14
Client ID: SB-41 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 23:19
Analyst: JB
Percent Solids: 99%

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	35.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	100	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	40.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14 Date Collected: 08/06/15 09:00

Client ID: SB-41 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	31.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	27.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	43.	1
2-Nitroaniline	ND		ug/kg	160	46.	1
3-Nitroaniline	ND		ug/kg	160	45.	1
4-Nitroaniline	ND		ug/kg	160	44.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	52.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	53.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	51.	1
4-Nitrophenol	ND		ug/kg	230	53.	1
2,4-Dinitrophenol	ND		ug/kg	790	220	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	53.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	35.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14 Date Collected: 08/06/15 09:00

Client ID: SB-41 5-6 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	110		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16
Client ID: SB-34 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/16/15 23:44
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 08:20
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16 Date Collected: 08/06/15 08:20

Client ID: SB-34 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16 Date Collected: 08/06/15 08:20

Client ID: SB-34 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	110		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18
Client ID: SB-35 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 00:08
Analyst: JB
Percent Solids: 97%

Date Collected: 08/06/15 08:30
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18 Date Collected: 08/06/15 08:30

Client ID: SB-35 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18 Date Collected: 08/06/15 08:30

Client ID: SB-35 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	104		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20
Client ID: SB-42 8-10
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 00:33
Analyst: JB
Percent Solids: 97%

Date Collected: 08/06/15 08:40
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20 Date Collected: 08/06/15 08:40

Client ID: SB-42 8-10 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20 Date Collected: 08/06/15 08:40

Client ID: SB-42 8-10 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	97		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	107		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	117		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22
Client ID: SB-13 7-7.5
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 00:58
Analyst: JB
Percent Solids: 96%

Date Collected: 08/06/15 08:35
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22 Date Collected: 08/06/15 08:35

Client ID: SB-13 7-7.5 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22 Date Collected: 08/06/15 08:35

Client ID: SB-13 7-7.5 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	120		10-136
4-Terphenyl-d14	**121**	Q	18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24
Client ID: SB-31 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 01:23
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 08:50
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24 Date Collected: 08/06/15 08:50

Client ID: SB-31 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24 Date Collected: 08/06/15 08:50

Client ID: SB-31 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	117		30-120
2,4,6-Tribromophenol	130		10-136
4-Terphenyl-d14	**128**	Q	18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26
Client ID: SB-32 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 01:47
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	41.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26 Date Collected: 08/06/15 09:00

Client ID: SB-32 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	32.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	47.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	45.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	790	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26 Date Collected: 08/06/15 09:00

Client ID: SB-32 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	107		25-120
Phenol-d6	107		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	112		30-120
2,4,6-Tribromophenol	121		10-136
4-Terphenyl-d14	119		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28
Client ID: SB-30 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 02:12
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 09:10
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	100	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	40.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28 Date Collected: 08/06/15 09:10

Client ID: SB-30 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	31.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	27.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	44.	1
2-Nitroaniline	ND		ug/kg	160	46.	1
3-Nitroaniline	ND		ug/kg	160	46.	1
4-Nitroaniline	ND		ug/kg	160	44.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	53.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	51.	1
4-Nitrophenol	ND		ug/kg	230	53.	1
2,4-Dinitrophenol	ND		ug/kg	790	220	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	53.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	35.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28 Date Collected: 08/06/15 09:10

Client ID: SB-30 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	111		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30
Client ID: SB-28 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 02:37
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 09:22
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	55.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30 Date Collected: 08/06/15 09:22

Client ID: SB-28 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30 Date Collected: 08/06/15 09:22

Client ID: SB-28 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	106		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	118		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32
Client ID: SB-29 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 03:02
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 09:30
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.	1
Hexachlorobenzene	ND		ug/kg	100	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.	1
2-Chloronaphthalene	ND		ug/kg	170	54.	1
1,2-Dichlorobenzene	ND		ug/kg	170	55.	1
1,3-Dichlorobenzene	ND		ug/kg	170	52.	1
1,4-Dichlorobenzene	ND		ug/kg	170	51.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	170	47.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	170	55.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	32.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	41.	1
Diethyl phthalate	ND		ug/kg	170	35.	1
Dimethyl phthalate	ND		ug/kg	170	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32 Date Collected: 08/06/15 09:30

Client ID: SB-29 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	130	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.	1
Pyrene	ND		ug/kg	100	32.	1
Biphenyl	ND		ug/kg	380	55.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	47.	1
3-Nitroaniline	ND		ug/kg	170	46.	1
4-Nitroaniline	ND		ug/kg	170	45.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
P-Chloro-M-Cresol	ND		ug/kg	170	48.	1
2-Chlorophenol	ND		ug/kg	170	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	54.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	52.	1
4-Nitrophenol	ND		ug/kg	230	54.	1
2,4-Dinitrophenol	ND		ug/kg	800	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	170	49.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	54.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32 Date Collected: 08/06/15 09:30

Client ID: SB-29 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	93		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	112		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34
Client ID: SB-33 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 03:27
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 09:45
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	99	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	36.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	99	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	100	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	55.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	40.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34 Date Collected: 08/06/15 09:45

Client ID: SB-33 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	99	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	33.	1
Benzo(k)fluoranthene	ND		ug/kg	99	31.	1
Chrysene	ND		ug/kg	99	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	99	27.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	99	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.	1
Pyrene	ND		ug/kg	99	32.	1
Biphenyl	ND		ug/kg	380	54.	1
4-Chloroaniline	ND		ug/kg	160	43.	1
2-Nitroaniline	ND		ug/kg	160	46.	1
3-Nitroaniline	ND		ug/kg	160	45.	1
4-Nitroaniline	ND		ug/kg	160	44.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	53.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	53.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	360	51.	1
4-Nitrophenol	ND		ug/kg	230	53.	1
2,4-Dinitrophenol	ND		ug/kg	790	220	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	53.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	51.	1
Carbazole	ND		ug/kg	160	35.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34 Date Collected: 08/06/15 09:45

Client ID: SB-33 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	105		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36
Client ID: SB-12 7-8
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 03:52
Analyst: JB
Percent Solids: 96%

Date Collected: 08/06/15 10:15
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36 Date Collected: 08/06/15 10:15

Client ID: SB-12 7-8 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	360	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36 Date Collected: 08/06/15 10:15

Client ID: SB-12 7-8 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	108		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38
Client ID: SB-9 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 04:17
Analyst: JB
Percent Solids: 99%

Date Collected: 08/06/15 10:25
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	34.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.	1
Hexachlorobenzene	ND		ug/kg	98	31.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.	1
2-Chloronaphthalene	ND		ug/kg	160	54.	1
1,2-Dichlorobenzene	ND		ug/kg	160	54.	1
1,3-Dichlorobenzene	ND		ug/kg	160	52.	1
1,4-Dichlorobenzene	ND		ug/kg	160	50.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	35.	1
2,6-Dinitrotoluene	ND		ug/kg	160	42.	1
Fluoranthene	ND		ug/kg	98	30.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.	1
Hexachlorobutadiene	ND		ug/kg	160	46.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	100	1
Hexachloroethane	ND		ug/kg	130	30.	1
Isophorone	ND		ug/kg	150	44.	1
Naphthalene	ND		ug/kg	160	54.	1
Nitrobenzene	ND		ug/kg	150	39.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.	1
Butyl benzyl phthalate	ND		ug/kg	160	32.	1
Di-n-butylphthalate	ND		ug/kg	160	32.	1
Di-n-octylphthalate	ND		ug/kg	160	40.	1
Diethyl phthalate	ND		ug/kg	160	35.	1
Dimethyl phthalate	ND		ug/kg	160	42.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38 Date Collected: 08/06/15 10:25

Client ID: SB-9 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	98	32.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	98	33.	1
Benzo(k)fluoranthene	ND		ug/kg	98	31.	1
Chrysene	ND		ug/kg	98	32.	1
Acenaphthylene	ND		ug/kg	130	31.	1
Anthracene	ND		ug/kg	98	27.	1
Benzo(ghi)perylene	ND		ug/kg	130	34.	1
Fluorene	ND		ug/kg	160	47.	1
Phenanthrene	ND		ug/kg	98	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.	1
Pyrene	ND		ug/kg	98	32.	1
Biphenyl	ND		ug/kg	370	54.	1
4-Chloroaniline	ND		ug/kg	160	43.	1
2-Nitroaniline	ND		ug/kg	160	46.	1
3-Nitroaniline	ND		ug/kg	160	45.	1
4-Nitroaniline	ND		ug/kg	160	44.	1
Dibenzofuran	ND		ug/kg	160	55.	1
2-Methylnaphthalene	ND		ug/kg	200	52.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.	1
Acetophenone	ND		ug/kg	160	51.	1
2,4,6-Trichlorophenol	ND		ug/kg	98	31.	1
P-Chloro-M-Cresol	ND		ug/kg	160	48.	1
2-Chlorophenol	ND		ug/kg	160	50.	1
2,4-Dichlorophenol	ND		ug/kg	150	53.	1
2,4-Dimethylphenol	ND		ug/kg	160	49.	1
2-Nitrophenol	ND		ug/kg	350	51.	1
4-Nitrophenol	ND		ug/kg	230	53.	1
2,4-Dinitrophenol	ND		ug/kg	790	220	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.	1
Pentachlorophenol	ND		ug/kg	130	35.	1
Phenol	ND		ug/kg	160	49.	1
2-Methylphenol	ND		ug/kg	160	53.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.	1
2,4,5-Trichlorophenol	ND		ug/kg	160	53.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	50.	1
Carbazole	ND		ug/kg	160	35.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38 Date Collected: 08/06/15 10:25

Client ID: SB-9 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	105		30-120
2,4,6-Tribromophenol	127		10-136
4-Terphenyl-d14	113		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID:	L1518815-40	Date Collected:	08/06/15 10:55
Client ID:	SB-8 8-9	Date Received:	08/07/15
Sample Location:	425 UNION BLVD., WEST ISLIP, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8270D	Extraction Date:	08/16/15 10:53
Analytical Date:	08/17/15 13:54		
Analyst:	JB		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	36.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	32.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	40.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	61.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	160	46.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	160	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	34.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	44.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40 Date Collected: 08/06/15 10:55

Client ID: SB-8 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	34.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	35.	1
Benzo(k)fluoranthene	ND		ug/kg	100	33.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	29.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	34.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	34.	1
Biphenyl	ND		ug/kg	390	57.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	48.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	58.	1
2-Methylnaphthalene	ND		ug/kg	210	55.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	160	56.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	54.	1
4-Nitrophenol	ND		ug/kg	240	56.	1
2,4-Dinitrophenol	ND		ug/kg	830	240	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	63.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	51.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	56.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40 Date Collected: 08/06/15 10:55

Client ID: SB-8 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	116		10-136
4-Terphenyl-d14	99		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42
Client ID: SB-11 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 14:20
Analyst: JB
Percent Solids: 97%

Date Collected: 08/06/15 11:05
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	56.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	54.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	37.	1
2,6-Dinitrotoluene	ND		ug/kg	170	44.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	52.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	57.	1
Nitrobenzene	ND		ug/kg	150	41.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	51.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	45.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42 Date Collected: 08/06/15 11:05

Client ID: SB-11 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	34.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	36.	1
Fluorene	ND		ug/kg	170	49.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	57.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	53.	1
Acetophenone	ND		ug/kg	170	53.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	50.	1
2-Chlorophenol	ND		ug/kg	170	52.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	51.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	820	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	55.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	37.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42 Date Collected: 08/06/15 11:05

Client ID: SB-11 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	125		10-136
4-Terphenyl-d14	107		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44
Client ID: SB-10 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 14:46
Analyst: JB
Percent Solids: 98%

Date Collected: 08/06/15 11:20
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	35.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	56.	1
Hexachlorobenzene	ND		ug/kg	100	32.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	48.	1
2-Chloronaphthalene	ND		ug/kg	170	55.	1
1,2-Dichlorobenzene	ND		ug/kg	170	56.	1
1,3-Dichlorobenzene	ND		ug/kg	170	53.	1
1,4-Dichlorobenzene	ND		ug/kg	170	52.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	36.	1
2,6-Dinitrotoluene	ND		ug/kg	170	43.	1
Fluoranthene	ND		ug/kg	100	31.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	52.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	39.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	60.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	51.	1
Hexachlorobutadiene	ND		ug/kg	170	48.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	110	1
Hexachloroethane	ND		ug/kg	140	31.	1
Isophorone	ND		ug/kg	150	45.	1
Naphthalene	ND		ug/kg	170	56.	1
Nitrobenzene	ND		ug/kg	150	40.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	140	36.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.	1
Butyl benzyl phthalate	ND		ug/kg	170	33.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	42.	1
Diethyl phthalate	ND		ug/kg	170	36.	1
Dimethyl phthalate	ND		ug/kg	170	43.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44 Date Collected: 08/06/15 11:20

Client ID: SB-10 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	100	33.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	34.	1
Benzo(k)fluoranthene	ND		ug/kg	100	32.	1
Chrysene	ND		ug/kg	100	33.	1
Acenaphthylene	ND		ug/kg	140	32.	1
Anthracene	ND		ug/kg	100	28.	1
Benzo(ghi)perylene	ND		ug/kg	140	35.	1
Fluorene	ND		ug/kg	170	48.	1
Phenanthrene	ND		ug/kg	100	33.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	33.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	140	38.	1
Pyrene	ND		ug/kg	100	33.	1
Biphenyl	ND		ug/kg	390	56.	1
4-Chloroaniline	ND		ug/kg	170	45.	1
2-Nitroaniline	ND		ug/kg	170	48.	1
3-Nitroaniline	ND		ug/kg	170	47.	1
4-Nitroaniline	ND		ug/kg	170	46.	1
Dibenzofuran	ND		ug/kg	170	56.	1
2-Methylnaphthalene	ND		ug/kg	200	54.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.	1
Acetophenone	ND		ug/kg	170	52.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
P-Chloro-M-Cresol	ND		ug/kg	170	49.	1
2-Chlorophenol	ND		ug/kg	170	51.	1
2,4-Dichlorophenol	ND		ug/kg	150	55.	1
2,4-Dimethylphenol	ND		ug/kg	170	50.	1
2-Nitrophenol	ND		ug/kg	370	53.	1
4-Nitrophenol	ND		ug/kg	240	55.	1
2,4-Dinitrophenol	ND		ug/kg	810	230	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	62.	1
Pentachlorophenol	ND		ug/kg	140	36.	1
Phenol	ND		ug/kg	170	50.	1
2-Methylphenol	ND		ug/kg	170	54.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	56.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	55.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	36.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44 Date Collected: 08/06/15 11:20

Client ID: SB-10 8-9 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	101		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46
Client ID: SB-7 10-12
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/17/15 15:12
Analyst: JB
Percent Solids: 90%

Date Collected: 08/06/15 12:15
Date Received: 08/07/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	61.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	52.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	61.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	48.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	43.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	65.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	56.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	49.	1
Naphthalene	ND		ug/kg	180	62.	1
Nitrobenzene	ND		ug/kg	170	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	39.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	55.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	49.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	36.	1
Di-n-octylphthalate	ND		ug/kg	180	46.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	47.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46 Date Collected: 08/06/15 12:15

Client ID: SB-7 10-12 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	53.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	36.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	61.	1
4-Chloroaniline	ND		ug/kg	180	49.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	51.	1
4-Nitroaniline	ND		ug/kg	180	50.	1
Dibenzofuran	ND		ug/kg	180	62.	1
2-Methylnaphthalene	ND		ug/kg	220	59.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	58.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
P-Chloro-M-Cresol	ND		ug/kg	180	54.	1
2-Chlorophenol	ND		ug/kg	180	56.	1
2,4-Dichlorophenol	ND		ug/kg	170	60.	1
2,4-Dimethylphenol	ND		ug/kg	180	55.	1
2-Nitrophenol	ND		ug/kg	400	58.	1
4-Nitrophenol	ND		ug/kg	260	60.	1
2,4-Dinitrophenol	ND		ug/kg	890	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	68.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	55.	1
2-Methylphenol	ND		ug/kg	180	60.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	61.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	60.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	40.	1

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46 Date Collected: 08/06/15 12:15

Client ID: SB-7 10-12 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	118		10-136
4-Terphenyl-d14	97		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/15 19:05
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,2 Batch: WG812583-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/15 19:05
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,2 Batch: WG812583-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/16/15 19:05
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 00:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,2 Batch: WG812583-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	92		18-120

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 12:35
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42,44,46 Batch: WG812608-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	35.

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 12:35
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42,44,46 Batch: WG812608-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/17/15 12:35
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/16/15 10:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 40,42,44,46 Batch: WG812608-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	790	220
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32 Batch: WG812583-2 WG812583-3								
Acenaphthene	74		79		31-137	7		50
1,2,4-Trichlorobenzene	71		76		38-107	7		50
Hexachlorobenzene	80		88		40-140	10		50
Bis(2-chloroethyl)ether	64		67		40-140	5		50
2-Chloronaphthalene	78		83		40-140	6		50
1,2-Dichlorobenzene	69		75		40-140	8		50
1,3-Dichlorobenzene	68		73		40-140	7		50
1,4-Dichlorobenzene	68		74		28-104	8		50
3,3'-Dichlorobenzidine	56		64		40-140	13		50
2,4-Dinitrotoluene	82		88		28-89	7		50
2,6-Dinitrotoluene	84		91		40-140	8		50
Fluoranthene	80		86		40-140	7		50
4-Chlorophenyl phenyl ether	77		85		40-140	10		50
4-Bromophenyl phenyl ether	80		87		40-140	8		50
Bis(2-chloroisopropyl)ether	55		59		40-140	7		50
Bis(2-chloroethoxy)methane	69		75		40-117	8		50
Hexachlorobutadiene	73		77		40-140	5		50
Hexachlorocyclopentadiene	121		127		40-140	5		50
Hexachloroethane	64		70		40-140	9		50
Isophorone	72		76		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32 Batch: WG812583-2 WG812583-3								
Naphthalene	73		76		40-140	4		50
Nitrobenzene	65		68		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	80		88		36-157	10		50
n-Nitrosodi-n-propylamine	69		73		32-121	6		50
Bis(2-Ethylhexyl)phthalate	76		83		40-140	9		50
Butyl benzyl phthalate	80		84		40-140	5		50
Di-n-butylphthalate	80		86		40-140	7		50
Di-n-octylphthalate	78		84		40-140	7		50
Diethyl phthalate	79		86		40-140	8		50
Dimethyl phthalate	78		85		40-140	9		50
Benzo(a)anthracene	76		82		40-140	8		50
Benzo(a)pyrene	71		77		40-140	8		50
Benzo(b)fluoranthene	70		76		40-140	8		50
Benzo(k)fluoranthene	69		76		40-140	10		50
Chrysene	73		79		40-140	8		50
Acenaphthylene	84		90		40-140	7		50
Anthracene	84		89		40-140	6		50
Benzo(ghi)perylene	72		77		40-140	7		50
Fluorene	77		84		40-140	9		50
Phenanthrene	74		80		40-140	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32 Batch: WG812583-2 WG812583-3								
Dibenzo(a,h)anthracene	74		80		40-140	8		50
Indeno(1,2,3-cd)Pyrene	74		78		40-140	5		50
Pyrene	80		86		35-142	7		50
Biphenyl	67		72		54-104	7		50
4-Chloroaniline	59		67		40-140	13		50
2-Nitroaniline	81		86		47-134	6		50
3-Nitroaniline	65		71		26-129	9		50
4-Nitroaniline	77		83		41-125	8		50
Dibenzofuran	76		82		40-140	8		50
2-Methylnaphthalene	75		80		40-140	6		50
1,2,4,5-Tetrachlorobenzene	65		69		40-117	6		50
Acetophenone	69		74		14-144	7		50
2,4,6-Trichlorophenol	85		91		30-130	7		50
P-Chloro-M-Cresol	82		90		26-103	9		50
2-Chlorophenol	73		80		25-102	9		50
2,4-Dichlorophenol	84		88		30-130	5		50
2,4-Dimethylphenol	84		89		30-130	6		50
2-Nitrophenol	75		81		30-130	8		50
4-Nitrophenol	71		76		11-114	7		50
2,4-Dinitrophenol	49		50		4-130	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04,06,08,10,12,14,16,18,20,22,24,26,28,30,32 Batch: WG812583-2 WG812583-3								
4,6-Dinitro-o-cresol	69		80		10-130	15		50
Pentachlorophenol	62		69		17-109	11		50
Phenol	71		78		26-90	9		50
2-Methylphenol	78		84		30-130.	7		50
3-Methylphenol/4-Methylphenol	79		85		30-130	7		50
2,4,5-Trichlorophenol	84		90		30-130	7		50
Benzoic Acid	20		18		10-66	11		50
Benzyl Alcohol	74		78		40-140	5		50
Carbazole	78		84		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		79		25-120
Phenol-d6	75		81		10-120
Nitrobenzene-d5	71		75		23-120
2-Fluorobiphenyl	80		86		30-120
2,4,6-Tribromophenol	80		88		10-136
4-Terphenyl-d14	80		86		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42,44,46 Batch: WG812608-2 WG812608-3								
Acenaphthene	96		95		31-137	1		50
1,2,4-Trichlorobenzene	104		100		38-107	4		50
Hexachlorobenzene	110		108		40-140	2		50
Bis(2-chloroethyl)ether	82		79		40-140	4		50
2-Chloronaphthalene	103		102		40-140	1		50
1,2-Dichlorobenzene	91		87		40-140	4		50
1,3-Dichlorobenzene	89		86		40-140	3		50
1,4-Dichlorobenzene	90		87		28-104	3		50
3,3'-Dichlorobenzidine	65		64		40-140	2		50
2,4-Dinitrotoluene	**99**	Q	**100**	Q	28-89	1		50
2,6-Dinitrotoluene	106		104		40-140	2		50
Fluoranthene	102		101		40-140	1		50
4-Chlorophenyl phenyl ether	103		103		40-140	0		50
4-Bromophenyl phenyl ether	109		106		40-140	3		50
Bis(2-chloroisopropyl)ether	71		69		40-140	3		50
Bis(2-chloroethoxy)methane	87		86		40-117	1		50
Hexachlorobutadiene	113		111		40-140	2		50
Hexachlorocyclopentadiene	96		88		40-140	9		50
Hexachloroethane	88		88		40-140	0		50
Isophorone	88		85		40-140	3		50
Naphthalene	94		92		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42,44,46 Batch: WG812608-2 WG812608-3								
Nitrobenzene	87		89		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	99		98		36-157	1		50
n-Nitrosodi-n-propylamine	85		81		32-121	5		50
Bis(2-Ethylhexyl)phthalate	99		96		40-140	3		50
Butyl benzyl phthalate	101		96		40-140	5		50
Di-n-butylphthalate	103		102		40-140	1		50
Di-n-octylphthalate	98		94		40-140	4		50
Diethyl phthalate	101		100		40-140	1		50
Dimethyl phthalate	99		97		40-140	2		50
Benzo(a)anthracene	97		94		40-140	3		50
Benzo(a)pyrene	98		97		40-140	1		50
Benzo(b)fluoranthene	94		92		40-140	2		50
Benzo(k)fluoranthene	105		102		40-140	3		50
Chrysene	101		97		40-140	4		50
Acenaphthylene	104		102		40-140	2		50
Anthracene	102		99		40-140	3		50
Benzo(ghi)perylene	96		93		40-140	3		50
Fluorene	98		98		40-140	0		50
Phenanthrene	98		97		40-140	1		50
Dibenzo(a,h)anthracene	98		95		40-140	3		50
Indeno(1,2,3-cd)Pyrene	96		92		40-140	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42,44,46 Batch: WG812608-2 WG812608-3								
Pyrene	101		101		35-142	0		50
Biphenyl	91		90		54-104	1		50
4-Chloroaniline	79		76		40-140	4		50
2-Nitroaniline	94		92		47-134	2		50
3-Nitroaniline	79		79		26-129	0		50
4-Nitroaniline	91		90		41-125	1		50
Dibenzofuran	97		96		40-140	1		50
2-Methylnaphthalene	99		95		40-140	4		50
1,2,4,5-Tetrachlorobenzene	98		97		40-117	1		50
Acetophenone	90		87		14-144	3		50
2,4,6-Trichlorophenol	113		110		30-130	3		50
P-Chloro-M-Cresol	103		99		26-103	4		50
2-Chlorophenol	96		92		25-102	4		50
2,4-Dichlorophenol	109		106		30-130	3		50
2,4-Dimethylphenol	102		92		30-130	10		50
2-Nitrophenol	97		93		30-130	4		50
4-Nitrophenol	98		98		11-114	0		50
2,4-Dinitrophenol	66		69		4-130	4		50
4,6-Dinitro-o-cresol	97		96		10-130	1		50
Pentachlorophenol	89		87		17-109	2		50
Phenol	85		82		26-90	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 40,42,44,46 Batch: WG812608-2 WG812608-3								
2-Methylphenol	94		91		30-130.	3		50
3-Methylphenol/4-Methylphenol	93		90		30-130	3		50
2,4,5-Trichlorophenol	112		109		30-130	3		50
Benzoic Acid	26		33		10-66	24		50
Benzyl Alcohol	90		91		40-140	1		50
Carbazole	98		94		54-128	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		100		25-120
Phenol-d6	92		90		10-120
Nitrobenzene-d5	90		87		23-120
2-Fluorobiphenyl	102		102		30-120
2,4,6-Tribromophenol	110		110		10-136
4-Terphenyl-d14	102		99		18-120

METALS

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01 Date Collected: 08/05/15 10:00

Client ID: SB-57 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	14		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Barium, Total	3.6		mg/kg	0.41	0.12	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Cadmium, Total	0.13	J	mg/kg	0.41	0.03	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Chromium, Total	13		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Iron, Total	4200		mg/kg	2.0	0.81	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	08/11/15 10:01	08/12/15 17:43	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.81	0.12	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT
Zinc, Total	3.3		mg/kg	2.0	0.28	1	08/08/15 15:21	08/10/15 23:13	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02 Date Collected: 08/05/15 11:45

Client ID: SB-58 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	0.41	J	mg/kg	0.45	0.09	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Barium, Total	2.6		mg/kg	0.45	0.14	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Cadmium, Total	0.47		mg/kg	0.45	0.03	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Chromium, Total	4.3		mg/kg	0.45	0.09	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Iron, Total	660		mg/kg	2.2	0.90	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Lead, Total	0.35	J	mg/kg	2.2	0.09	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:00	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.90	0.14	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.45	0.09	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT
Zinc, Total	1.5	J	mg/kg	2.2	0.32	1	08/08/15 15:21	08/10/15 23:17	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-03 Date Collected: 08/05/15 13:30

Client ID: SB-40 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.8		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Barium, Total	15		mg/kg	0.41	0.12	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Cadmium, Total	1.4		mg/kg	0.41	0.03	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Chromium, Total	8.0		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Iron, Total	7800		mg/kg	2.0	0.82	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:02	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.41	0.08	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT
Zinc, Total	10		mg/kg	2.0	0.29	1	08/08/15 15:21	08/10/15 23:20	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-05 Date Collected: 08/05/15 13:20

Client ID: SB-52 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.1		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Barium, Total	19		mg/kg	0.42	0.12	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Chromium, Total	8.2		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Iron, Total	9400		mg/kg	2.1	0.84	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Lead, Total	2.8		mg/kg	2.1	0.08	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Mercury, Total	0.06	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:03	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH
Zinc, Total	11		mg/kg	2.1	0.29	1	08/08/15 12:48	08/10/15 14:03	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-07 Date Collected: 08/05/15 13:30

Client ID: SB-54 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.0		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Barium, Total	20		mg/kg	0.42	0.12	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.1	0.83	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Lead, Total	1.2	J	mg/kg	2.1	0.08	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:05	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.1	0.29	1	08/08/15 12:48	08/10/15 14:07	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-09 Date Collected: 08/05/15 13:40

Client ID: SB-43 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.2		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Barium, Total	25		mg/kg	0.39	0.12	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.39	0.03	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Iron, Total	9900		mg/kg	1.9	0.78	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Lead, Total	2.0		mg/kg	1.9	0.08	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:07	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.78	0.12	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH
Zinc, Total	12		mg/kg	1.9	0.27	1	08/08/15 12:48	08/10/15 14:27	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-11 Date Collected: 08/06/15 08:00

Client ID: SB-44 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.5		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Barium, Total	21		mg/kg	0.40	0.12	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.0	0.80	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Lead, Total	3.0		mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:08	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.0	0.28	1	08/08/15 12:48	08/10/15 14:31	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-13 Date Collected: 08/06/15 08:00

Client ID: SB-41 1-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.6		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Barium, Total	12		mg/kg	0.39	0.12	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.39	0.03	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Chromium, Total	6.9		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Iron, Total	4600		mg/kg	2.0	0.78	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Lead, Total	0.88	J	mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.01	1	08/11/15 10:01	08/12/15 18:10	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.78	0.12	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.39	0.08	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH
Zinc, Total	5.4		mg/kg	2.0	0.27	1	08/08/15 12:48	08/10/15 14:35	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-15 Date Collected: 08/06/15 08:15

Client ID: SB-34 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.0		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Barium, Total	27		mg/kg	0.41	0.12	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.41	0.03	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.0	0.82	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Lead, Total	1.5	J	mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:12	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH
Zinc, Total	12		mg/kg	2.0	0.29	1	08/08/15 12:48	08/10/15 14:39	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-17 Date Collected: 08/06/15 08:25

Client ID: SB-35 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.9		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Barium, Total	25		mg/kg	0.41	0.12	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.41	0.03	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	2.0	0.82	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Lead, Total	0.80	J	mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:13	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.82	0.12	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.41	0.08	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH
Zinc, Total	12		mg/kg	2.0	0.29	1	08/08/15 12:48	08/10/15 18:00	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-19 Date Collected: 08/06/15 08:35

Client ID: SB-42 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.4		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Barium, Total	26		mg/kg	0.40	0.12	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Chromium, Total	9.8		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.0	0.81	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Lead, Total	1.4	J	mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:19	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.81	0.12	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.0	0.28	1	08/08/15 12:48	08/10/15 20:02	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-21 Date Collected: 08/06/15 08:30

Client ID: SB-13 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.7		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Barium, Total	23		mg/kg	0.42	0.12	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.1	0.84	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Lead, Total	0.53	J	mg/kg	2.1	0.08	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:20	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.84	0.12	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH
Zinc, Total	11		mg/kg	2.1	0.29	1	08/08/15 12:48	08/10/15 20:06	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-23 Date Collected: 08/06/15 08:45

Client ID: SB-31 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.0		mg/kg	0.45	0.09	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Barium, Total	24		mg/kg	0.45	0.14	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Cadmium, Total	9.6		mg/kg	0.45	0.03	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Chromium, Total	9.1		mg/kg	0.45	0.09	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.2	0.90	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Lead, Total	3.3		mg/kg	2.2	0.09	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:22	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.90	0.14	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.45	0.09	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH
Zinc, Total	15		mg/kg	2.2	0.32	1	08/08/15 12:48	08/10/15 20:10	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-25 Date Collected: 08/06/15 08:55

Client ID: SB-32 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.9		mg/kg	0.42	0.09	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Barium, Total	33		mg/kg	0.42	0.13	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.42	0.09	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	2.1	0.85	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Lead, Total	0.82	J	mg/kg	2.1	0.09	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:24	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.09	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH
Zinc, Total	12		mg/kg	2.1	0.30	1	08/08/15 12:48	08/11/15 00:25	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-27 Date Collected: 08/06/15 09:05

Client ID: SB-30 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.5		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Barium, Total	26		mg/kg	0.44	0.13	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Chromium, Total	9.1		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Iron, Total	9900		mg/kg	2.2	0.87	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Lead, Total	0.97	J	mg/kg	2.2	0.09	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Mercury, Total	0.03	J	mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:25	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.87	0.13	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH
Zinc, Total	12		mg/kg	2.2	0.31	1	08/08/15 12:48	08/11/15 00:29	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-29 Date Collected: 08/06/15 09:15

Client ID: SB-28 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.7		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Barium, Total	33		mg/kg	0.44	0.13	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.2	0.88	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Lead, Total	2.1	J	mg/kg	2.2	0.09	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:27	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.88	0.13	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.2	0.31	1	08/08/15 12:48	08/11/15 00:33	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-31 Date Collected: 08/06/15 09:25

Client ID: SB-29 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Barium, Total	31		mg/kg	0.44	0.13	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.44	0.03	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	2.2	0.87	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Lead, Total	1.0	J	mg/kg	2.2	0.09	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 18:29	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.87	0.13	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.44	0.09	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH
Zinc, Total	16		mg/kg	2.2	0.30	1	08/08/15 12:48	08/11/15 00:37	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-33 Date Collected: 08/06/15 09:35

Client ID: SB-33 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Barium, Total	20		mg/kg	0.42	0.12	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Cadmium, Total	4.7		mg/kg	0.42	0.03	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Chromium, Total	7.2		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Iron, Total	8400		mg/kg	2.1	0.83	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Lead, Total	4.6		mg/kg	2.1	0.08	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:31	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH
Zinc, Total	9.4		mg/kg	2.1	0.29	1	08/08/15 12:48	08/11/15 00:41	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-35 Date Collected: 08/06/15 10:00

Client ID: SB-12 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	1.7		mg/kg	0.38	0.08	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Barium, Total	17		mg/kg	0.38	0.12	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.38	0.03	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Chromium, Total	35		mg/kg	0.38	0.08	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Iron, Total	6600		mg/kg	1.9	0.77	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Lead, Total	1.0	J	mg/kg	1.9	0.08	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	08/11/15 10:01	08/12/15 18:32	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.77	0.12	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.38	0.08	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH
Zinc, Total	10		mg/kg	1.9	0.27	1	08/08/15 12:48	08/11/15 00:56	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-37 Date Collected: 08/06/15 10:20

Client ID: SB-9 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.5		mg/kg	0.43	0.09	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Barium, Total	32		mg/kg	0.43	0.13	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.43	0.03	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Chromium, Total	9.5		mg/kg	0.43	0.09	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Iron, Total	9600		mg/kg	2.1	0.85	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Lead, Total	0.81	J	mg/kg	2.1	0.09	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/11/15 10:01	08/12/15 18:34	EPA 7471B	1,7471B	EA
Selenium, Total	ND		mg/kg	0.85	0.13	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.43	0.09	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH
Zinc, Total	11		mg/kg	2.1	0.30	1	08/08/15 12:48	08/11/15 01:00	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-39 Date Collected: 08/06/15 10:50

Client ID: SB-8 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Barium, Total	19		mg/kg	0.42	0.13	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Cadmium, Total	12		mg/kg	0.42	0.03	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Iron, Total	9700		mg/kg	2.1	0.84	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Lead, Total	1.6	J	mg/kg	2.1	0.08	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	08/12/15 08:55	08/12/15 12:40	EPA 7471B	1,7471B	MC
Selenium, Total	ND		mg/kg	0.84	0.13	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH
Zinc, Total	17		mg/kg	2.1	0.30	1	08/08/15 12:48	08/11/15 01:04	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-41 Date Collected: 08/06/15 11:00

Client ID: SB-11 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.1		mg/kg	0.45	0.09	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Barium, Total	35		mg/kg	0.45	0.13	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.45	0.03	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Chromium, Total	14		mg/kg	0.45	0.09	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	2.2	0.90	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Lead, Total	5.8		mg/kg	2.2	0.09	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	08/12/15 08:55	08/12/15 12:42	EPA 7471B	1,7471B	MC
Selenium, Total	ND		mg/kg	0.90	0.13	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.45	0.09	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH
Zinc, Total	18		mg/kg	2.2	0.31	1	08/08/15 12:48	08/11/15 01:08	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-43 Date Collected: 08/06/15 11:10

Client ID: SB-10 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.8		mg/kg	0.42	0.08	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Barium, Total	28		mg/kg	0.42	0.12	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.42	0.03	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.42	0.08	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	2.1	0.83	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Lead, Total	0.84	J	mg/kg	2.1	0.08	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	08/12/15 08:55	08/12/15 12:43	EPA 7471B	1,7471B	MC
Selenium, Total	ND		mg/kg	0.83	0.12	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.42	0.08	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.1	0.29	1	08/10/15 06:22	08/12/15 23:42	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-45 Date Collected: 08/06/15 12:00

Client ID: SB-7 0-2 Date Received: 08/07/15

Sample Location: 425 UNION BLVD., WEST ISLIP, N Field Prep: Not Specified

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	16		mg/kg	0.47	0.09	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Barium, Total	260		mg/kg	0.47	0.14	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Cadmium, Total	160		mg/kg	0.47	0.03	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Chromium, Total	160		mg/kg	0.47	0.09	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Iron, Total	190000		mg/kg	230	93.	100	08/10/15 06:22	08/13/15 15:31	EPA 3050B	1,6010C	TT
Lead, Total	100		mg/kg	2.3	0.09	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Mercury, Total	0.27		mg/kg	0.08	0.02	1	08/12/15 08:55	08/12/15 12:45	EPA 7471B	1,7471B	MC
Selenium, Total	ND		mg/kg	0.93	0.14	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Silver, Total	1.6		mg/kg	0.47	0.09	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH
Zinc, Total	390		mg/kg	2.3	0.33	1	08/10/15 06:22	08/13/15 00:05	EPA 3050B	1,6010C	JH

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03 Batch: WG810349-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Barium, Total	ND		mg/kg	0.40	0.12	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Iron, Total	ND		mg/kg	2.0	0.80	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Lead, Total	ND		mg/kg	2.0	0.08	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Silver, Total	ND		mg/kg	0.40	0.08	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/08/15 15:21	08/10/15 16:16	1,6010C	TT

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05,07,09,11,13,15,17,19,21,23,25,27,29,3 Batch: WG810370-1										
Arsenic, Total	0.11	J	mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/08/15 12:48	08/10/15 13:36	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 43,45 Batch: WG810537-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	08/10/15 06:22	08/12/15 20:48	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG810903-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/11/15 10:01	08/12/15 17:40	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 39,41,43,45 Batch: WG811231-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/12/15 08:55	08/12/15 12:06	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 Batch: WG810349-2 SRM Lot Number: D088-540								
Arsenic, Total	105		-		79-121	-		
Barium, Total	94		-		83-117	-		
Cadmium, Total	98		-		83-117	-		
Chromium, Total	92		-		80-120	-		
Iron, Total	103		-		45-155	-		
Lead, Total	84		-		81-117	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	91		-		75-124	-		
Zinc, Total	97		-		82-118	-		
Total Metals - Westborough Lab Associated sample(s): 05,07,09,11,13,15,17,19,21,23,25,27,29,3 Batch: WG810370-2 SRM Lot Number: D088-540								
Arsenic, Total	88		-		79-121	-		
Barium, Total	88		-		83-117	-		
Cadmium, Total	86		-		83-117	-		
Chromium, Total	84		-		80-120	-		
Iron, Total	89		-		45-155	-		
Lead, Total	95		-		81-117	-		
Selenium, Total	97		-		78-122	-		
Silver, Total	91		-		75-124	-		
Zinc, Total	84		-		82-118	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 43,45 Batch: WG810537-2 SRM Lot Number: D088-540					
Arsenic, Total	96	-	79-121	-	
Barium, Total	94	-	83-117	-	
Cadmium, Total	91	-	83-117	-	
Chromium, Total	91	-	80-120	-	
Iron, Total	96	-	45-155	-	
Lead, Total	82	-	81-117	-	
Selenium, Total	102	-	78-122	-	
Silver, Total	96	-	75-124	-	
Zinc, Total	92	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 01-03,05,07,09,11,13,15,17,19,21,23,25,2 Batch: WG810903-2 SRM Lot Number: D088-540					
Mercury, Total	94	-	72-128	-	
Total Metals - Westborough Lab Associated sample(s): 39,41,43,45 Batch: WG811231-2 SRM Lot Number: D088-540					
Mercury, Total	107	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG810349-4 QC Sample: L1517620-02 Client ID: MS Sample												
Arsenic, Total	8.9	10.2	18	89		-	-		75-125	-		20
Barium, Total	32.	171	190	92		-	-		75-125	-		20
Cadmium, Total	0.03J	4.35	4.0	92		-	-		75-125	-		20
Chromium, Total	19.	17.1	34	88		-	-		75-125	-		20
Iron, Total	16000	85.4	16000	**0**	Q	-	-		75-125	-		20
Lead, Total	3.7	43.5	41	86		-	-		75-125	-		20
Selenium, Total	ND	10.2	8.6	84		-	-		75-125	-		20
Silver, Total	ND	25.6	22	86		-	-		75-125	-		20
Zinc, Total	31.	42.7	66	82		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 05,07,09,11,13,15,17,19,21,23,25,27,29,3 QC Batch ID: WG810370-4 QC Sample: L1517620-03 Client ID: MS Sample												
Arsenic, Total	3.9	9.63	11	**74**	Q	-	-		75-125	-		20
Barium, Total	19.	160	140	75		-	-		75-125	-		20
Cadmium, Total	ND	4.09	2.6	**64**	Q	-	-		75-125	-		20
Chromium, Total	11.	16	24	81		-	-		75-125	-		20
Iron, Total	11000	80.3	12000	**1240**	Q	-	-		75-125	-		20
Lead, Total	3.2	40.9	30	**65**	Q	-	-		75-125	-		20
Selenium, Total	ND	9.63	6.7	**70**	Q	-	-		75-125	-		20
Silver, Total	ND	24.1	18	75		-	-		75-125	-		20
Zinc, Total	15.	40.1	44	**72**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 43,45 QC Batch ID: WG810537-4 QC Sample: L1518873-04 Client ID: MS Sample										
Arsenic, Total	3.5	9.46	13	100		-	-	75-125	-	20
Barium, Total	7.2	158	170	103		-	-	75-125	-	20
Cadmium, Total	0.42J	4.02	4.9	122		-	-	75-125	-	20
Chromium, Total	3.0	15.8	16	82		-	-	75-125	-	20
Iron, Total	5800	78.8	6200	**507**	Q	-	-	75-125	-	20
Lead, Total	35.	40.2	62	**67**	Q	-	-	75-125	-	20
Selenium, Total	ND	9.46	10	106		-	-	75-125	-	20
Silver, Total	0.40J	23.6	26	110		-	-	75-125	-	20
Zinc, Total	200	39.4	390	**482**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG810903-4 QC Sample: L1518815-01 Client ID: SB-57 0-2										
Mercury, Total	0.02J	0.137	0.16	117		-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 39,41,43,45 QC Batch ID: WG811231-4 QC Sample: L1519118-01 Client ID: MS Sample										
Mercury, Total	0.26	0.146	0.50	**165**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG810349-3 QC Sample: L1517620-02 Client ID: DUP Sample						
Arsenic, Total	8.9	10	mg/kg	12		20
Cadmium, Total	0.03J	0.04J	mg/kg	NC		20
Chromium, Total	19.	25	mg/kg	**27**	Q	20
Lead, Total	3.7	4.6	mg/kg	**22**	Q	20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	31.	31	mg/kg	0		20
Total Metals - Westborough Lab Associated sample(s): 05,07,09,11,13,15,17,19,21,23,25,27,29,3 QC Batch ID: WG810370-3 QC Sample: L1517620-03 Client ID: DUP Sample						
Arsenic, Total	3.9	4.1	mg/kg	5		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	11.	13	mg/kg	17		20
Lead, Total	3.2	4.2	mg/kg	**27**	Q	20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	15.	15	mg/kg	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 43,45 QC Batch ID: WG810537-3 QC Sample: L1518873-04 Client ID: DUP Sample						
Arsenic, Total	3.5	4.3	mg/kg	**21**	Q	20
Barium, Total	7.2	5.8	mg/kg	**22**	Q	20
Cadmium, Total	0.42J	0.17J	mg/kg	NC		20
Chromium, Total	3.0	3.4	mg/kg	13		20
Iron, Total	5800	7300	mg/kg	**23**	Q	20
Lead, Total	35.	33	mg/kg	6		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	0.40J	0.40J	mg/kg	NC		20
Zinc, Total	200	99	mg/kg	**68**	Q	20
Total Metals - Westborough Lab Associated sample(s): 01-03,05,07,09,11,13,15,17,19,21,23,25,2 QC Batch ID: WG810903-3 QC Sample: L1518815-01 Client ID: SB-57 0-2						
Mercury, Total	0.02J	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 39,41,43,45 QC Batch ID: WG811231-3 QC Sample: L1519118-01 Client ID: DUP Sample						
Mercury, Total	0.26	0.22	mg/kg	17		20

INORGANICS
&
MISCELLANEOUS

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-01
Client ID: SB-57 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 10:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	0.31	J	mg/kg	1.0	0.24	1	08/08/15 09:15	08/11/15 13:49	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-02
Client ID: SB-58 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 11:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/08/15 09:15	08/11/15 13:52	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-03
Client ID: SB-40 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.5		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/08/15 09:15	08/11/15 13:53	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-04
Client ID: SB-40 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.9		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-05
Client ID: SB-52 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 09:15	08/11/15 13:53	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-06
Client ID: SB-52 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-07
Client ID: SB-54 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 09:15	08/11/15 13:56	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-08
Client ID: SB-54 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-09
Client ID: SB-43 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:40
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.7		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/08/15 09:15	08/11/15 13:56	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-10
Client ID: SB-43 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/05/15 13:50
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.2		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-11
Client ID: SB-44 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/08/15 09:15	08/11/15 13:57	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-12
Client ID: SB-44 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:10
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-13
Client ID: SB-41 1-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.5		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	0.96	0.22	1	08/08/15 09:15	08/11/15 13:58	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-14
Client ID: SB-41 5-6
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-15
Client ID: SB-34 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	08/08/15 09:15	08/11/15 13:59	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-16
Client ID: SB-34 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.3		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-17
Client ID: SB-35 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.25	1	08/08/15 09:15	08/11/15 13:59	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-18
Client ID: SB-35 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-19
Client ID: SB-42 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/08/15 12:10	08/11/15 12:22	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-20
Client ID: SB-42 8-10
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:40
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	08/10/15 21:04	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-21
Client ID: SB-13 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.0	0.24	1	08/08/15 12:10	08/11/15 12:26	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-22
Client ID: SB-13 7-7.5
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-23
Client ID: SB-31 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/08/15 12:10	08/11/15 12:27	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-24
Client ID: SB-31 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:50
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.2		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-25
Client ID: SB-32 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 08:55
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:28	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-26
Client ID: SB-32 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.3		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-27
Client ID: SB-30 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:05
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:28	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-28
Client ID: SB-30 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:10
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.4		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-29
Client ID: SB-28 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	0.57	J	mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:29	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-30
Client ID: SB-28 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:22
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.7		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-31
Client ID: SB-29 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:30	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-32
Client ID: SB-29 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:30
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-33
Client ID: SB-33 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:35
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:31	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-34
Client ID: SB-33 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 09:45
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.2		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-35
Client ID: SB-12 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.6		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	0.98	0.23	1	08/08/15 12:10	08/11/15 12:32	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-36
Client ID: SB-12 7-8
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-37
Client ID: SB-9 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:32	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-38
Client ID: SB-9 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:25
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-39
Client ID: SB-8 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:50
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT
Cyanide, Total	2.1		mg/kg	1.1	0.25	1	08/08/15 12:10	08/11/15 12:33	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-40
Client ID: SB-8 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 10:55
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	08/10/15 21:20	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-41
Client ID: SB-11 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 11:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/08/15 12:10	08/11/15 12:36	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-42
Client ID: SB-11 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 11:05
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.3		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-43
Client ID: SB-10 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 11:10
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	08/08/15 12:10	08/11/15 12:42	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-44
Client ID: SB-10 8-9
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 11:20
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.0		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-45
Client ID: SB-7 0-2
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 12:00
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.0		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT
Cyanide, Total	1.0	J	mg/kg	1.2	0.27	1	08/08/15 12:10	08/11/15 12:37	1,9010C/9012B	JO

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

SAMPLE RESULTS

Lab ID: L1518815-46
Client ID: SB-7 10-12
Sample Location: 425 UNION BLVD., WEST ISLIP, N
Matrix: Soil

Date Collected: 08/06/15 12:15
Date Received: 08/07/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	08/10/15 21:34	30,2540G	RT

Project Name: 7655 **Lab Number:** L1518815

Project Number: 7655 **Report Date:** 08/18/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03,05,07,09,11,13,15,17 Batch: WG810342-1										
Cyanide, Total	ND		mg/kg	0.97	0.23	1	08/08/15 09:15	08/11/15 13:46	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 19,21,23,25,27,29,31,33,35,37 Batch: WG810343-1										
Cyanide, Total	ND		mg/kg	0.96	0.22	1	08/08/15 12:10	08/11/15 12:17	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 39,41,43,45 Batch: WG810345-1										
Cyanide, Total	ND		mg/kg	0.96	0.22	1	08/08/15 12:10	08/11/15 12:18	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518815

Report Date: 08/18/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05,07,09,11,13,15,17 Batch: WG810342-2 WG810342-3								
Cyanide, Total	111		94		80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 19,21,23,25,27,29,31,33,35,37 Batch: WG810343-2 WG810343-3								
Cyanide, Total	**126**	Q	97		80-120	26		35
General Chemistry - Westborough Lab Associated sample(s): 39,41,43,45 Batch: WG810345-2 WG810345-3								
Cyanide, Total	120		105		80-120	13		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05,07,09,11,13,15,17 QC Batch ID: WG810342-4 WG810342-5 QC Sample: L1518815-01 Client ID: SB-57 0-2												
Cyanide, Total	0.31J	10	8.0	76		9.1	88		65-135	13		35
General Chemistry - Westborough Lab Associated sample(s): 19,21,23,25,27,29,31,33,35,37 QC Batch ID: WG810343-4 WG810343-5 QC Sample: L1518815-19 Client ID: SB-42 0-2												
Cyanide, Total	ND	10	9.9	94		9.6	93		65-135	3		35
General Chemistry - Westborough Lab Associated sample(s): 39,41,43,45 QC Batch ID: WG810345-4 WG810345-5 QC Sample: L1518889-01 Client ID: MS Sample												
Cyanide, Total	ND	9.7	8.5	88		8.7	92		65-135	2		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-20 QC Batch ID: WG810814-1 QC Sample: L1518815-01 Client ID: SB-57 0-2						
Solids, Total	94.8	95.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 21-40 QC Batch ID: WG810817-1 QC Sample: L1518815-21 Client ID: SB-13 0-2						
Solids, Total	91.9	91.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 41-46 QC Batch ID: WG810822-1 QC Sample: L1518731-01 Client ID: DUP Sample						
Solids, Total	91.3	92.1	%	1		20

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
D	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518815-01A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-01B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-01C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-01D	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-02A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-02B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-02C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518815-02D	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-03A	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-04A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-04B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-04C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-05A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-06A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518815-06B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-06C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-07A	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-08A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-08B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-08C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-09A	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-10A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-10B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-10C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-11A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-12A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-12B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-12C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518815-13A	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-14A	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1518815-14B	Vial Large Septa unpreserved (4o	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-14C	Glass 250ml/8oz unpreserved	B	N/A	3.8	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-15A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-16A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-16B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-16C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-17A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-18A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-18B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-18C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-19A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-20A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518815-20B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-20C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-21A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-22A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518815-22B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-22C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-23A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-24A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-24B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518815-24C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-25A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-26A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-26B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-26C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-27A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-28A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518815-28B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-28C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-29A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-30A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-30B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-30C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-31A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-32A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-32B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-32C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-33A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-34A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1518815-34B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-34C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-35A	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-36A	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518815
Report Date: 08/18/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518815-36B	Vial Large Septa unpreserved (4o	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-36C	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-37A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-38A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-38B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-38C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-39A	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-40A	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8260(14)
L1518815-40B	Vial Large Septa unpreserved (4o	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-40C	Glass 250ml/8oz unpreserved	C	N/A	3.9	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-41A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-42A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-42B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-42C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-43A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-44A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-44B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-44C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-45A	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TS(7),PB-TI(180),SE-TI(180),ZN-TI(180),FE-TI(180),HG-T(28),CD-TI(180)
L1518815-46A	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8260(14)
L1518815-46B	Vial Large Septa unpreserved (4o	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)
L1518815-46C	Glass 250ml/8oz unpreserved	D	N/A	3.1	Y	Absent	NYTCL-8270(14),TS(7)

Container Comments

L1518815-46A

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1518815
Project Number:	7655	**Report Date:**	08/18/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518815
Project Number:	7655	**Report Date:**	08/18/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518815
Project Number:	7655	**Report Date:**	08/18/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L15188L5

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

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Serial_No:08181518:09

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com~~ AND MBlight@impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

Analytical Information

- Impact Analytical Package A*
- Impact Analytical Package B**
- VOCs 8260 (List for NY Part 375 & NJ DCSRS)
- SPLP (Mark 'H' in box for "Hold")
- NYCDEP Sewer Discharge Parameters
- VOC 8260 TAL/TCL List
- SVOC 8270 TAL/TCL List (BNA)
- RCRA Total Metals 6010/7470
- Total Iron (Fe) 6010
- Total Cyanide 9010B

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Sample Containers: Total # of bottles	Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	(LAB USE ONLY)
1	SB-57 0-2	S	G	8/5/15	10:00	4		4					
2	SB-58 0-2	S	G	8/5/15	11:45	4		4					
3	SB-40 0-2	S	G	8/5/15	13:30	1		1					
4	SB-40 5-6	S	G	8/5/15	13:45	3		3					
5	SB-52 0-2	S	G	8/5/15	13:20	1		1					
6	SB-52 8-9	S	G	8/5/15	13:25	3		3					
7	SB-54 0-2	S	G	8/5/15	13:30	1		1					
8	SB-54 8-9	S	G	8/5/15	13:35	3		3					
9	SB-43 0-2	S	G	8/5/15	13:40	1		1					
10	SB-43 8-9	S	G	8/5/15	13:50	3		3					

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8/7/15			8/7/15 1940	8/7/15 1940
2						
3		8/7/15 2355				
4						
5						

COOLER INFORMATION
Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518815

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Serial_No:08181518:09

Page 2 of 5

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Blvd
City	Bohemia	**City**	West Islip — **State** NY — **Zip**
Project Contact	~~Waste Analyst AND~~ M. Blumight	**Project #**	7655
Phone #	631-269-8800 — **Fax #** 631-269-1599	**Sampler's Name**	M. Blumight
E-mail	~~Analyst@impactenvironmental.com AND~~ mblumight@impactenvironmental.com	**Sampler's Signature**	[signature]

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Sample Containers — Number of Each Preserved Bottle

Analytical Information: Impact Analytical Package A*; Impact Analytical Package B**; VOCs 8260 (List for NY Part 375 & NJ DCSRS); SPLP (Mark 'H' in box for 'Hold'); NYCDEP Sewer Discharge Parameters; VOC 8260 TAL/TCL List; SVOC 8270 TAL/TCL (BNA) List; RCRA Total Metals 6010/7470; Total Iron/Zinc 6010; Total Cyanide 9010B

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260	SPLP	NYCDEP Sewer Discharge Parameters	VOC 8260 TAL/TCL List	SVOC 8270 TAL/TCL (BNA) List	RCRA Total Metals 6010/7470	Total Iron/Zinc 6010	Total Cyanide 9010B		(LAB USE ONLY)
	1 SB-44 0-2	S	G	8/6/15	08:00	1		1												X	X	X		
	2 SB-44 8-9	S	G	8/6/15	08:10	3		3										X	X					
	3 SB-41 1-2	S	G	8/6/15	08:00	1		1												X	X	X		
	4 SB-41 5-6	S	G	8/6/15	09:00	3		3										X	X					
	5 SB-34 0-2	S	G	8/6/15	08:15	1		1												X	X	X		
	6 SB-34 8-9	S	G	8/6/15	08:20	3		3										X	X					
	7 SB-35 0-2	S	G	8/6/15	08:25	1		1												X	X	X		
	8 SB-35 8-9	S	G	8/6/15	08:30	3		3										X	X					
	9 SB-42 0-2	S	G	8/6/15	08:35	1		1												X	X	X		
	10 SB-42 8-10	S	G	8/6/15	08:40	3		3										X	X					

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY) TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [ ] EDD Format____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	1 8/7/15	1 [signature] AAL	2 [signature] AAL	2 8/7/15 1940	2 Tom Tobin 8-7-15 1940
Relinquished by: 3 Tom Tobin	**Date / Time:** 3 8/7/15 2355	**Received By:** 3 Grad Phillips	**Relinquished By:** 4	**Date / Time:** 4	**Received By:** 4
Relinquished by: 5	**Date / Time:** 5	**Received By:** 5			

COOLER INFORMATION

Cooler Temp:____ pH:____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L15I8815

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Serial_No:08181518:09

Page 3 *of* 5

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Blvd
City	Bohemia	**City**	West Islip **State** NY **Zip**
Project Contact	~~Waste Analyst AND~~ M. Bluisht	**Project #**	7655
Phone #	631-269-8800 **Fax #** 631-269-1599	**Sampler's Name**	M. Bluisht
E-mail	~~Analyst@impactenvironmental.com AND~~ mbluisht@impactenvironmental.com	**Sampler's Signature**	[illegible]

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample ~~Type~~ Date	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOC 8260 TAL/TCL List	SVOC 8270 TAL/TCL (BNA) List	RCRA Total Metals 6010/7470	Total Iron/Zinc 6010	Total Cyanide 9010B		(LAB USE ONLY)
	1 SB-13 0-2	S	G	8/6/15	08:30	1		1												X	X	X		
	2 SB-13 7-7.5	S	G	8/6/15	08:35	3		3										X	X					
	3 SB-31 0-2	S	G	8/6/15	08:45	1		1												X	X	X		
	4 SB-31 8-9	S	G	8/6/15	08:50	3		3										X	X					
	5 SB-32 0-2	S	G	8/6/15	08:55	1		1												X	X	X		
	6 SB-32 8-9	S	G	8/6/15	09:00	3		3										X	X					
	7 SB-30 0-2	S	G	8/6/15	09:05	1		1												X	X	X		
	8 SB-30 8-9	S	G	8/6/15	09:10	3		3										X	X					
	9 SB-28 0-2	S	G	8/6/15	09:15	1		1												X	X	X		
	10 SB-28 8-9	S	G	8/6/15	09:20	3		3										X	X					

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ______
- [ ] EDD Format______

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by	Date / Time	Received By	Relinquished By	Date / Time	Received By	Date / Time
1 Relinquished by Sampler: [illegible]	1 8/7/15	1 [illegible] AAL	2 [illegible] AAL	8/7/15 1940	2 Tom Tobin	8-7-15 1940
3 Relinquished by: Tom Tobin	3 8/7/15 2355	3 [illegible] Phillips	4 Relinquished By: [illegible]	4	4	
5 Relinquished by:	5	5				

COOLER INFORMATION

Cooler Temp:______ pH:______ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518815

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 4 of 5

Serial_No:08181518:09

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information		Project Information	
Company Name	Impact Environmental	**Project Name**	7655
Address	170 Keyland Court	**Street**	425 Union Blvd
City	Bohemia	**City**	West Islip
		State	NY
		Zip	
Project Contact	~~Waste Analyst AND~~ M. Blight	**Project #**	7655
Phone #	631-269-8800	**Fax #**	631-269-1599
E-mail	~~Analyst@impactenvironmental.com AND~~ mblight@impactenvironmental.com	**Sampler's Name**	M. Blight
		Sampler's Signature	M. Blight

LAB SAMPLE #	Sample Information		Sample Collection				Sample Containers: Number of Each Preserved Bottle							Analytical Information										Matrix Codes
(LAB USE ONLY)	Sample ID		Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOC 8260 TAL/TCL List	SVOC 8270 TAL/TCL List (BNA)	RCRA Total Metals 7470 6010	Total Iron/Zinc 6010	Total Cyanide 9010B		L - Liquid S - Soil A - Air OL - Oil W - Wipe PC - Paint Chips SL - Sludge SD - Solid DW- Drinking Water DISS - Dissolved
	1 SB-29	0-2	S	G	8/6/15	09:25	1		1											X	X	X			Sample Type G=Grab C=Composite B=Blank
	2 SB-29	8-9	S	G	8/6/15	09:30	3		3										X	X					(LAB USE ONLY)
	3 SB-33	0-2	S	G	8/6/15	09:35	1		1											X	X	X			
	4 SB-33	8-9	S	G	8/6/15	09:45	3		3										X	X					
	5 SB-12	0-2	S	G	8/6/15	10:00	1		1											X	X	X			
	6 SB-12	7-8	S	G	8/6/15	10:15	3		3										X	X					
	7 SB-9	0-2	S	G	8/6/15	10:20	1		1											X	X	X			
	8 SB-9	8-9	S	G	8/6/15	10:25	3		3										X	X					
	9 SB-8	0-2	S	G	8/6/15	10:50	1		1											X	X	X			
	10 SB-8	8-9	S	G	8/6/15	10:55	3		3										X	X					

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8/7/15			8/7/15 1940	2 Tom Tasha 8-7-15 1940
3	Tom Tasha	8/7/15 2355	3 Graham Phillips	4	Date / Time:	4
5		Date / Time:	Received By:			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

L1518815

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 5 of 5

Serial_No:08181518:09

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information	Project Information
Company Name Impact Environmental	**Project Name** 7655
Address 170 Keyland Court	**Street** 425 Union Blvd
City Bohemia	**City** West Islip **State** NY **Zip**
Project Contact ~~Waste Analyst AND~~ M. Blight	**Project #** 7655
Phone # 631-269-8800 **Fax #** 631-269-1599	**Sampler's Name** M. Blight
E-mail ~~Analyst@impactenvironmental.com AND~~ mblight @impactenvironmental.com	**Sampler's Signature** M. Blight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	VOC 8260 TAL/TAL List	SVOC 8270 TAL/TAL List (BNA)	RCRA Total Metals 7470 6010	Total Iron/Zinc 6010	Total Cyanide 9010B
	1 SB-11 0-2	S	G		8/6/15 11:00	1		1												X	X	X
	2 SB-11 8-9	S	G		8/6/15 11:05	3		3										X	X			
	3 SB-10 0-2	S	G		8/6/15 11:10	1		1												X	X	X
	4 SB-10 8-9	S	G		8/6/15 11:20	3		3										X	X			
	5 SB-7 0-2	S	G		8/6/15 12:00	1		1												X	X	X
	6 SB-7 10-12	S	G		8/6/15 12:15	3		3										X	X			
	7																					
	8																					
	9																					
	10																					

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

(LAB USE ONLY)

Turnaround Time (Business Days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [x] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

	Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	M. Blight	8/7/15			8/7/15 1941	2 Tom Tobin 8-7-15 1945
3	Tom Tobin	8/7/15 2355	3	4	4	4
5		5	5			

COOLER INFORMATION
Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1518923
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/21/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1518923-01	DW-1	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 07:30	08/10/15
L1518923-02	DW-2	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 08:00	08/10/15
L1518923-03	DW-3	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 08:30	08/10/15
L1518923-04	DW-4	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 09:00	08/10/15
L1518923-05	DW-5	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 09:30	08/10/15
L1518923-06	DW-6	SOIL	425 UNION BLVD, WEST ISLIP, NY	08/07/15 10:00	08/10/15

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655 **Lab Number:** L1518923
Project Number: 7655 **Report Date:** 08/21/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Mercury

The WG811638-4 MS recovery, performed on L1518923-01, is outside the acceptance criteria for mercury (124%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 08/21/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01
Client ID: DW-1
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 01:43
Analyst: BN
Percent Solids: 76%

Date Collected: 08/07/15 07:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.11	1
Chloroform	ND		ug/kg	2.0	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.18	1
Bromoform	ND		ug/kg	5.2	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.3	0.17	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01 Date Collected: 08/07/15 07:30

Client ID: DW-1 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.6	0.26	1
o-Xylene	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.53	1
Dichlorodifluoromethane	ND		ug/kg	13	0.25	1
Acetone	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.36	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
Bromochloromethane	ND		ug/kg	6.6	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.6	0.18	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	0.52	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.30	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	0.28	J	ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.6	0.18	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3,5-Trimethylbenzene	0.50	J	ug/kg	6.6	0.19	1
1,2,4-Trimethylbenzene	1.3	J	ug/kg	6.6	0.18	1
Freon-113	ND		ug/kg	26	0.36	1
p-Diethylbenzene	2.7	J	ug/kg	5.2	0.21	1
p-Ethyltoluene	0.55	J	ug/kg	5.2	0.16	1
1,2,4,5-Tetramethylbenzene	1.2	J	ug/kg	5.2	0.17	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01 Date Collected: 08/07/15 07:30

Client ID: DW-1 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	98		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02
Client ID: DW-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 02:11
Analyst: BN
Percent Solids: 73%

Date Collected: 08/07/15 08:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.51	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.19	1
Bromoform	ND		ug/kg	5.5	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.12	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02 Date Collected: 08/07/15 08:00

Client ID: DW-2 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.55	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	ND		ug/kg	14	1.4	1
2-Butanone	ND		ug/kg	14	0.37	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
Bromochloromethane	ND		ug/kg	6.8	0.38	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.44	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.8	0.18	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.8	0.19	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.19	1
Freon-113	ND		ug/kg	27	0.37	1
p-Diethylbenzene	ND		ug/kg	5.5	0.22	1
p-Ethyltoluene	ND		ug/kg	5.5	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02 Date Collected: 08/07/15 08:00

Client ID: DW-2 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03
Client ID: DW-3
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 02:39
Analyst: BN
Percent Solids: 56%

Date Collected: 08/07/15 08:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	18	2.0	1
1,1-Dichloroethane	ND		ug/kg	2.7	0.15	1
Chloroform	ND		ug/kg	2.7	0.67	1
Carbon tetrachloride	ND		ug/kg	1.8	0.38	1
1,2-Dichloropropane	ND		ug/kg	6.3	0.41	1
Dibromochloromethane	ND		ug/kg	1.8	0.28	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	0.55	1
Tetrachloroethene	ND		ug/kg	1.8	0.25	1
Chlorobenzene	ND		ug/kg	1.8	0.63	1
Trichlorofluoromethane	ND		ug/kg	9.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	0.20	1
Bromodichloromethane	ND		ug/kg	1.8	0.31	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	0.21	1
1,1-Dichloropropene	ND		ug/kg	9.0	0.25	1
Bromoform	ND		ug/kg	7.2	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	0.18	1
Benzene	ND		ug/kg	1.8	0.21	1
Toluene	ND		ug/kg	2.7	0.35	1
Ethylbenzene	ND		ug/kg	1.8	0.23	1
Vinyl chloride	ND		ug/kg	3.6	0.21	1
Chloroethane	ND		ug/kg	3.6	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.47	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.38	1
Trichloroethene	ND		ug/kg	1.8	0.22	1
1,2-Dichlorobenzene	ND		ug/kg	9.0	0.28	1
1,3-Dichlorobenzene	ND		ug/kg	9.0	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	9.0	0.25	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.15	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03 Date Collected: 08/07/15 08:30

Client ID: DW-3 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	3.6	0.36	1
o-Xylene	ND		ug/kg	3.6	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Dibromomethane	ND		ug/kg	18	0.29	1
Styrene	ND		ug/kg	3.6	0.72	1
Dichlorodifluoromethane	ND		ug/kg	18	0.34	1
Acetone	ND		ug/kg	18	1.9	1
2-Butanone	ND		ug/kg	18	0.49	1
4-Methyl-2-pentanone	ND		ug/kg	18	0.44	1
1,2,3-Trichloropropane	ND		ug/kg	18	0.29	1
Bromochloromethane	ND		ug/kg	9.0	0.50	1
2,2-Dichloropropane	ND		ug/kg	9.0	0.41	1
1,2-Dibromoethane	ND		ug/kg	7.2	0.31	1
1,3-Dichloropropane	ND		ug/kg	9.0	0.26	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	0.57	1
Bromobenzene	ND		ug/kg	9.0	0.37	1
n-Butylbenzene	ND		ug/kg	1.8	0.21	1
sec-Butylbenzene	ND		ug/kg	1.8	0.22	1
tert-Butylbenzene	ND		ug/kg	9.0	0.24	1
o-Chlorotoluene	ND		ug/kg	9.0	0.29	1
p-Chlorotoluene	ND		ug/kg	9.0	0.24	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	0.71	1
Hexachlorobutadiene	ND		ug/kg	9.0	0.41	1
Isopropylbenzene	ND		ug/kg	1.8	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.22	1
Naphthalene	ND		ug/kg	9.0	0.25	1
n-Propylbenzene	ND		ug/kg	1.8	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.0	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.0	0.25	1
Freon-113	ND		ug/kg	36	0.49	1
p-Diethylbenzene	ND		ug/kg	7.2	0.29	1
p-Ethyltoluene	ND		ug/kg	7.2	0.22	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	7.2	0.23	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03 Date Collected: 08/07/15 08:30

Client ID: DW-3 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04
Client ID: DW-4
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 03:07
Analyst: BN
Percent Solids: 66%

Date Collected: 08/07/15 09:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	15	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.3	0.13	1
Chloroform	ND		ug/kg	2.3	0.56	1
Carbon tetrachloride	ND		ug/kg	1.5	0.32	1
1,2-Dichloropropane	ND		ug/kg	5.3	0.35	1
Dibromochloromethane	ND		ug/kg	1.5	0.23	1
1,1,2-Trichloroethane	ND		ug/kg	2.3	0.46	1
Tetrachloroethene	ND		ug/kg	1.5	0.21	1
Chlorobenzene	ND		ug/kg	1.5	0.53	1
Trichlorofluoromethane	ND		ug/kg	7.6	0.59	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.17	1
1,1,1-Trichloroethane	ND		ug/kg	1.5	0.17	1
Bromodichloromethane	ND		ug/kg	1.5	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	1.5	0.18	1
1,1-Dichloropropene	ND		ug/kg	7.6	0.21	1
Bromoform	ND		ug/kg	6.1	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.5	0.15	1
Benzene	ND		ug/kg	1.5	0.18	1
Toluene	ND		ug/kg	2.3	0.30	1
Ethylbenzene	ND		ug/kg	1.5	0.19	1
Vinyl chloride	ND		ug/kg	3.0	0.18	1
Chloroethane	ND		ug/kg	3.0	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.3	0.32	1
Trichloroethene	ND		ug/kg	1.5	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	7.6	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	7.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	7.6	0.21	1
Methyl tert butyl ether	ND		ug/kg	3.0	0.13	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04 Date Collected: 08/07/15 09:00

Client ID: DW-4 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	3.0	0.30	1
o-Xylene	ND		ug/kg	3.0	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Dibromomethane	ND		ug/kg	15	0.25	1
Styrene	ND		ug/kg	3.0	0.61	1
Dichlorodifluoromethane	ND		ug/kg	15	0.29	1
Acetone	ND		ug/kg	15	1.6	1
2-Butanone	ND		ug/kg	15	0.41	1
4-Methyl-2-pentanone	ND		ug/kg	15	0.37	1
1,2,3-Trichloropropane	ND		ug/kg	15	0.25	1
Bromochloromethane	ND		ug/kg	7.6	0.42	1
2,2-Dichloropropane	ND		ug/kg	7.6	0.34	1
1,2-Dibromoethane	ND		ug/kg	6.1	0.26	1
1,3-Dichloropropane	ND		ug/kg	7.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.5	0.48	1
Bromobenzene	ND		ug/kg	7.6	0.32	1
n-Butylbenzene	ND		ug/kg	1.5	0.17	1
sec-Butylbenzene	ND		ug/kg	1.5	0.18	1
tert-Butylbenzene	ND		ug/kg	7.6	0.20	1
o-Chlorotoluene	ND		ug/kg	7.6	0.24	1
p-Chlorotoluene	ND		ug/kg	7.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.6	0.60	1
Hexachlorobutadiene	ND		ug/kg	7.6	0.35	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.19	1
Naphthalene	ND		ug/kg	7.6	0.21	1
n-Propylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.6	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.6	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	7.6	0.21	1
Freon-113	ND		ug/kg	30	0.42	1
p-Diethylbenzene	ND		ug/kg	6.1	0.24	1
p-Ethyltoluene	ND		ug/kg	6.1	0.19	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.1	0.20	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04 Date Collected: 08/07/15 09:00

Client ID: DW-4 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05
Client ID: DW-5
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 03:34
Analyst: BN
Percent Solids: 79%

Date Collected: 08/07/15 09:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.49	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Vinyl chloride	ND		ug/kg	2.5	0.15	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.11	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05 Date Collected: 08/07/15 09:30

Client ID: DW-5 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.5	0.25	1
o-Xylene	ND		ug/kg	2.5	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.5	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	ND		ug/kg	13	1.3	1
2-Butanone	ND		ug/kg	13	0.35	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
Bromochloromethane	ND		ug/kg	6.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.4	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
Freon-113	ND		ug/kg	25	0.35	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.16	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05 Date Collected: 08/07/15 09:30

Client ID: DW-5 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	101		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06
Client ID: DW-6
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/15 04:02
Analyst: BN
Percent Solids: 81%

Date Collected: 08/07/15 10:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.38	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.18	1
Bromoform	ND		ug/kg	5.0	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.15	1
Toluene	ND		ug/kg	1.9	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Vinyl chloride	ND		ug/kg	2.5	0.14	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06 Date Collected: 08/07/15 10:00

Client ID: DW-6 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
p/m-Xylene	ND		ug/kg	2.5	0.24	1
o-Xylene	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.34	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.40	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.16	1
Naphthalene	ND		ug/kg	6.2	0.17	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.18	1
Freon-113	ND		ug/kg	25	0.34	1
p-Diethylbenzene	ND		ug/kg	5.0	0.20	1
p-Ethyltoluene	ND		ug/kg	5.0	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.16	1

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06 Date Collected: 08/07/15 10:00

Client ID: DW-6 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/15 22:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG814215-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	0.30	J	ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/15 22:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG814215-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/15 22:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG814215-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/20/15 22:31
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG814215-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG814215-1 WG814215-2								
Methylene chloride	94		94		70-130	0		30
1,1-Dichloroethane	91		90		70-130	1		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	108		108		70-130	0		30
1,2-Dichloropropane	86		87		70-130	1		30
Dibromochloromethane	97		100		70-130	3		30
2-Chloroethylvinyl ether	106		102		70-130	4		30
1,1,2-Trichloroethane	91		92		70-130	1		30
Tetrachloroethene	110		112		70-130	2		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	133		133		70-139	0		30
1,2-Dichloroethane	81		80		70-130	1		30
1,1,1-Trichloroethane	100		99		70-130	1		30
Bromodichloromethane	90		89		70-130	1		30
trans-1,3-Dichloropropene	85		86		70-130	1		30
cis-1,3-Dichloropropene	89		89		70-130	0		30
1,1-Dichloropropene	98		97		70-130	1		30
Bromoform	96		97		70-130	1		30
1,1,2,2-Tetrachloroethane	88		88		70-130	0		30
Benzene	94		93		70-130	1		30
Toluene	96		96		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518923

Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG814215-1 WG814215-2								
Ethylbenzene	98		99		70-130	1		30
Chloromethane	85		84		52-130	1		30
Bromomethane	120		135		57-147	12		30
Vinyl chloride	104		103		67-130	1		30
Chloroethane	98		96		50-151	2		30
1,1-Dichloroethene	110		107		65-135	3		30
trans-1,2-Dichloroethene	102		100		70-130	2		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	102		100		70-130	2		30
1,3-Dichlorobenzene	102		101		70-130	1		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	83		83		66-130	0		30
p/m-Xylene	102		102		70-130	0		30
o-Xylene	97		98		70-130	1		30
cis-1,2-Dichloroethene	98		98		70-130	0		30
Dibromomethane	92		92		70-130	0		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	**177**	Q	**175**	Q	30-146	1		30
Acetone	93		82		54-140	13		30
Carbon disulfide	99		99		59-130	0		30
2-Butanone	78		76		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518923

Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG814215-1 WG814215-2								
Vinyl acetate	74		74		70-130	0		30
4-Methyl-2-pentanone	77		78		70-130	1		30
1,2,3-Trichloropropane	88		87		68-130	1		30
2-Hexanone	**60**	Q	**59**	Q	70-130	2		30
Bromochloromethane	102		101		70-130	1		30
2,2-Dichloropropane	93		92		70-130	1		30
1,2-Dibromoethane	95		96		70-130	1		30
1,3-Dichloropropane	89		90		69-130	1		30
1,1,1,2-Tetrachloroethane	100		100		70-130	0		30
Bromobenzene	101		101		70-130	0		30
n-Butylbenzene	103		100		70-130	3		30
sec-Butylbenzene	105		104		70-130	1		30
tert-Butylbenzene	106		105		70-130	1		30
o-Chlorotoluene	98		97		70-130	1		30
p-Chlorotoluene	97		96		70-130	1		30
1,2-Dibromo-3-chloropropane	96		100		68-130	4		30
Hexachlorobutadiene	117		116		67-130	1		30
Isopropylbenzene	105		106		70-130	1		30
p-Isopropyltoluene	108		107		70-130	1		30
Naphthalene	94		93		70-130	1		30
Acrylonitrile	72		71		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518923

Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG814215-1 WG814215-2								
Diisopropyl Ether	70		69		66-130	1		30
Tert-Butyl Alcohol	79		79		70-130	0		30
n-Propylbenzene	99		98		70-130	1		30
1,2,3-Trichlorobenzene	103		104		70-130	1		30
1,2,4-Trichlorobenzene	107		106		70-130	1		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	101		99		70-130	2		30
Methyl Acetate	64		63		51-146	2		30
Ethyl Acetate	**53**	Q	**59**	Q	70-130	11		30
Acrolein	110		106		70-130	4		30
Cyclohexane	95		94		59-142	1		30
1,4-Dioxane	88		88		65-136	0		30
Freon-113	109		107		50-139	2		30
p-Diethylbenzene	107		104		70-130	3		30
p-Ethyltoluene	106		104		70-130	2		30
1,2,4,5-Tetramethylbenzene	106		105		70-130	1		30
Tetrahydrofuran	**56**	Q	**57**	Q	66-130	2		30
Ethyl ether	83		83		67-130	0		30
trans-1,4-Dichloro-2-butene	71		71		70-130	0		30
Methyl cyclohexane	112		109		70-130	3		30
Ethyl-Tert-Butyl-Ether	81		80		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG814215-1 WG814215-2								
Tertiary-Amyl Methyl Ether	86		86		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	85		84		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	92		90		70-130
Dibromofluoromethane	99		97		70-130

SEMIVOLATILES

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01
Client ID: DW-1
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 20:53
Analyst: PS
Percent Solids: 76%

Date Collected: 08/07/15 07:30
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	44.	1
Fluoranthene	240		ug/kg	130	39.	1
Benzo(a)anthracene	78	J	ug/kg	130	42.	1
Benzo(a)pyrene	84	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	140		ug/kg	130	43.	1
Benzo(k)fluoranthene	62	J	ug/kg	130	41.	1
Chrysene	130		ug/kg	130	42.	1
Anthracene	ND		ug/kg	130	36.	1
Benzo(ghi)perylene	63	J	ug/kg	170	45.	1
Fluorene	ND		ug/kg	210	62.	1
Phenanthrene	110	J	ug/kg	130	42.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	42.	1
Indeno(1,2,3-cd)pyrene	60	J	ug/kg	170	48.	1
Pyrene	200		ug/kg	130	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	63		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02
Client ID: DW-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 21:20
Analyst: PS
Percent Solids: 73%

Date Collected: 08/07/15 08:00
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	46.	1
Fluoranthene	650		ug/kg	130	41.	1
Benzo(a)anthracene	210		ug/kg	130	44.	1
Benzo(a)pyrene	300		ug/kg	180	54.	1
Benzo(b)fluoranthene	540		ug/kg	130	45.	1
Benzo(k)fluoranthene	210		ug/kg	130	42.	1
Chrysene	440		ug/kg	130	44.	1
Anthracene	ND		ug/kg	130	37.	1
Benzo(ghi)perylene	240		ug/kg	180	46.	1
Fluorene	ND		ug/kg	220	64.	1
Phenanthrene	200		ug/kg	130	44.	1
Dibenzo(a,h)anthracene	53	J	ug/kg	130	43.	1
Indeno(1,2,3-cd)pyrene	260		ug/kg	180	50.	1
Pyrene	530		ug/kg	130	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
4-Terphenyl-d14	50		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03
Client ID: DW-3
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 21:46
Analyst: PS
Percent Solids: 56%

Date Collected: 08/07/15 08:30
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	240	62.	1
Fluoranthene	1000		ug/kg	180	55.	1
Benzo(a)anthracene	370		ug/kg	180	58.	1
Benzo(a)pyrene	530		ug/kg	240	73.	1
Benzo(b)fluoranthene	980		ug/kg	180	60.	1
Benzo(k)fluoranthene	400		ug/kg	180	57.	1
Chrysene	770		ug/kg	180	59.	1
Anthracene	ND		ug/kg	180	50.	1
Benzo(ghi)perylene	420		ug/kg	240	62.	1
Fluorene	ND		ug/kg	300	86.	1
Phenanthrene	350		ug/kg	180	58.	1
Dibenzo(a,h)anthracene	96	J	ug/kg	180	58.	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	240	66.	1
Pyrene	880		ug/kg	180	58.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	70		30-120
4-Terphenyl-d14	58		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04
Client ID: DW-4
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 22:12
Analyst: PS
Percent Solids: 66%

Date Collected: 08/07/15 09:00
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	200	52.	1
Fluoranthene	500		ug/kg	150	46.	1
Benzo(a)anthracene	180		ug/kg	150	49.	1
Benzo(a)pyrene	280		ug/kg	200	62.	1
Benzo(b)fluoranthene	510		ug/kg	150	51.	1
Benzo(k)fluoranthene	200		ug/kg	150	48.	1
Chrysene	370		ug/kg	150	50.	1
Anthracene	ND		ug/kg	150	42.	1
Benzo(ghi)perylene	220		ug/kg	200	52.	1
Fluorene	ND		ug/kg	250	72.	1
Phenanthrene	150		ug/kg	150	49.	1
Dibenzo(a,h)anthracene	54	J	ug/kg	150	49.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	200	56.	1
Pyrene	400		ug/kg	150	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	67		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05
Client ID: DW-5
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 22:39
Analyst: PS
Percent Solids: 79%

Date Collected: 08/07/15 09:30
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
Fluoranthene	170		ug/kg	120	38.	1
Benzo(a)anthracene	69	J	ug/kg	120	41.	1
Benzo(a)pyrene	64	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	90	J	ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	83	J	ug/kg	120	41.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	77	J	ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	46.	1
Pyrene	120		ug/kg	120	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	52		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06
Client ID: DW-6
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/18/15 23:05
Analyst: PS
Percent Solids: 81%

Date Collected: 08/07/15 10:00
Date Received: 08/10/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
Fluoranthene	210		ug/kg	120	37.	1
Benzo(a)anthracene	76	J	ug/kg	120	40.	1
Benzo(a)pyrene	110	J	ug/kg	160	50.	1
Benzo(b)fluoranthene	230		ug/kg	120	41.	1
Benzo(k)fluoranthene	76	J	ug/kg	120	39.	1
Chrysene	200		ug/kg	120	40.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	82	J	ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	62	J	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	88	J	ug/kg	160	45.	1
Pyrene	190		ug/kg	120	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	44		18-120

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/15 19:35
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG812862-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	330	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/15 19:35
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG812862-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/15 19:35
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG812862-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	220	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	65.
1-Methylnaphthalene	ND		ug/kg	160	49.

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/15 19:35
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 08/17/15 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG812862-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	103		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG812862-2 WG812862-3								
Acenaphthene	94		87		31-137	8		50
Benzidine	48		42		10-66	13		50
n-Nitrosodimethylamine	69		63		22-100	9		50
1,2,4-Trichlorobenzene	93		91		38-107	2		50
Hexachlorobenzene	100		93		40-140	7		50
Bis(2-chloroethyl)ether	77		76		40-140	1		50
2-Chloronaphthalene	93		91		40-140	2		50
1,2-Dichlorobenzene	81		79		40-140	3		50
1,3-Dichlorobenzene	81		77		40-140	5		50
1,4-Dichlorobenzene	81		79		28-104	3		50
3,3'-Dichlorobenzidine	76		71		40-140	7		50
2,4-Dinitrotoluene	**96**	Q	**90**	Q	28-89	6		50
2,6-Dinitrotoluene	102		95		40-140	7		50
Fluoranthene	98		92		40-140	6		50
4-Chlorophenyl phenyl ether	97		90		40-140	7		50
4-Bromophenyl phenyl ether	102		93		40-140	9		50
Azobenzene	92		86		40-140	7		50
Bis(2-chloroisopropyl)ether	70		69		40-140	1		50
Bis(2-chloroethoxy)methane	80		79		40-117	1		50
Hexachlorobutadiene	100		98		40-140	2		50
Hexachlorocyclopentadiene	84		78		40-140	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG812862-2 WG812862-3								
Hexachloroethane	82		80		40-140	2		50
Isophorone	82		81		40-140	1		50
Naphthalene	86		84		40-140	2		50
Nitrobenzene	84		82		40-140	2		50
NitrosoDiPhenylAmine(NDPA)/DPA	96		90		36-157	6		50
n-Nitrosodi-n-propylamine	80		78		32-121	3		50
Bis(2-Ethylhexyl)phthalate	98		90		40-140	9		50
Butyl benzyl phthalate	96		89		40-140	8		50
Di-n-butylphthalate	103		100		40-140	3		50
Di-n-octylphthalate	97		94		40-140	3		50
Diethyl phthalate	96		91		40-140	5		50
Dimethyl phthalate	100		89		40-140	12		50
Benzo(a)anthracene	94		88		40-140	7		50
Benzo(a)pyrene	98		89		40-140	10		50
Benzo(b)fluoranthene	96		88		40-140	9		50
Benzo(k)fluoranthene	97		90		40-140	7		50
Chrysene	96		88		40-140	9		50
Acenaphthylene	99		92		40-140	7		50
Anthracene	96		89		40-140	8		50
Benzo(ghi)perylene	90		83		40-140	8		50
Fluorene	95		88		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG812862-2 WG812862-3								
Phenanthrene	96		88		40-140	9		50
Dibenzo(a,h)anthracene	92		85		40-140	8		50
Indeno(1,2,3-cd)Pyrene	92		83		40-140	10		50
Pyrene	96		90		35-142	6		50
Biphenyl	89		85		54-104	5		50
Aniline	66		68		40-140	3		50
4-Chloroaniline	89		92		40-140	3		50
2-Nitroaniline	92		87		47-134	6		50
3-Nitroaniline	81		75		26-129	8		50
4-Nitroaniline	91		80		41-125	13		50
Dibenzofuran	94		88		40-140	7		50
2-Methylnaphthalene	93		89		40-140	4		50
1,2,4,5-Tetrachlorobenzene	95		89		40-117	7		50
Acetophenone	83		82		14-144	1		50
2,4,6-Trichlorophenol	102		98		30-130	4		50
P-Chloro-M-Cresol	99		91		26-103	8		50
2-Chlorophenol	87		87		25-102	0		50
2,4-Dichlorophenol	103		97		30-130	6		50
2,4-Dimethylphenol	92		89		30-130	3		50
2-Nitrophenol	86		88		30-130	2		50
4-Nitrophenol	99		92		11-114	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG812862-2 WG812862-3								
2,4-Dinitrophenol	65		58		4-130	11		50
4,6-Dinitro-o-cresol	98		91		10-130	7		50
Pentachlorophenol	97		88		17-109	10		50
Phenol	78		77		26-90	1		50
2-Methylphenol	87		84		30-130.	4		50
3-Methylphenol/4-Methylphenol	86		84		30-130	2		50
2,4,5-Trichlorophenol	104		102		30-130	2		50
Benzoic Acid	19		16		10-66	17		50
Benzyl Alcohol	84		84		40-140	0		50
Carbazole	96		88		54-128	9		50
Benzaldehyde	70		74		40-140	6		50
Caprolactam	84		83		15-130	1		50
Atrazine	93		85		40-140	9		50
2,3,4,6-Tetrachlorophenol	102		98		40-140	4		50
Pyridine	61		55		10-93	10		50
Parathion, ethyl	99		99		40-140	0		50
1-Methylnaphthalene	94		92		26-130	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518923

Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG812862-2 WG812862-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		87		25-120
Phenol-d6	88		86		10-120
Nitrobenzene-d5	84		83		23-120
2-Fluorobiphenyl	96		93		30-120
2,4,6-Tribromophenol	107		98		10-136
4-Terphenyl-d14	98		90		18-120

METALS

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01 Date Collected: 08/07/15 07:30

Client ID: DW-1 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	5.4		mg/kg	0.52	0.10	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Barium, Total	23		mg/kg	0.52	0.16	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Beryllium, Total	0.27		mg/kg	0.26	0.05	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Cadmium, Total	8.6		mg/kg	0.52	0.04	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.52	0.10	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Copper, Total	16		mg/kg	0.52	0.10	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Lead, Total	4.4		mg/kg	2.6	0.10	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Mercury, Total	0.028	J	mg/kg	0.088	0.019	1	08/13/15 08:10	08/13/15 11:49	EPA 7471B	1,7471B	DB
Nickel, Total	6.3		mg/kg	1.3	0.21	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.0	0.16	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.52	0.10	1	08/11/15 17:34	08/13/15 13:04	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02 Date Collected: 08/07/15 08:00

Client ID: DW-2 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.6		mg/kg	0.54	0.11	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Barium, Total	15		mg/kg	0.54	0.16	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Beryllium, Total	0.08	J	mg/kg	0.27	0.05	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Cadmium, Total	1.1		mg/kg	0.54	0.04	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Chromium, Total	7.5		mg/kg	0.54	0.11	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Copper, Total	27		mg/kg	0.54	0.11	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Lead, Total	4.4		mg/kg	2.7	0.11	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/13/15 08:10	08/13/15 12:00	EPA 7471B	1,7471B	DB
Nickel, Total	4.6		mg/kg	1.4	0.22	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.1	0.16	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.54	0.11	1	08/11/15 17:34	08/13/15 13:08	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03 Date Collected: 08/07/15 08:30

Client ID: DW-3 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 56%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.0		mg/kg	0.68	0.14	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Barium, Total	14		mg/kg	0.68	0.20	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.34	0.07	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Cadmium, Total	0.89		mg/kg	0.68	0.05	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Chromium, Total	12		mg/kg	0.68	0.14	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Copper, Total	49		mg/kg	0.68	0.14	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Lead, Total	14		mg/kg	3.4	0.14	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Mercury, Total	0.027	J	mg/kg	0.110	0.024	1	08/13/15 08:10	08/13/15 12:01	EPA 7471B	1,7471B	DB
Nickel, Total	7.6		mg/kg	1.7	0.27	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.4	0.20	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.68	0.14	1	08/11/15 17:34	08/13/15 13:11	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04 Date Collected: 08/07/15 09:00

Client ID: DW-4 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	4.9		mg/kg	0.59	0.12	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Barium, Total	15		mg/kg	0.59	0.18	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Beryllium, Total	0.09	J	mg/kg	0.30	0.06	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Cadmium, Total	4.8		mg/kg	0.59	0.04	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Chromium, Total	10		mg/kg	0.59	0.12	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Copper, Total	34		mg/kg	0.59	0.12	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Lead, Total	22		mg/kg	3.0	0.12	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Mercury, Total	0.023	J	mg/kg	0.100	0.021	1	08/13/15 08:10	08/13/15 12:03	EPA 7471B	1,7471B	DB
Nickel, Total	6.5		mg/kg	1.5	0.24	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.2	0.18	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.59	0.12	1	08/11/15 17:34	08/13/15 13:15	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05 Date Collected: 08/07/15 09:30

Client ID: DW-5 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	3.2		mg/kg	0.50	0.10	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Barium, Total	16		mg/kg	0.50	0.15	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Beryllium, Total	0.14	J	mg/kg	0.25	0.05	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Cadmium, Total	3.5		mg/kg	0.50	0.04	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Chromium, Total	7.2		mg/kg	0.50	0.10	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Copper, Total	5.2		mg/kg	0.50	0.10	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Lead, Total	8.8		mg/kg	2.5	0.10	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.09	0.02	1	08/13/15 08:10	08/13/15 12:05	EPA 7471B	1,7471B	DB
Nickel, Total	4.4		mg/kg	1.2	0.20	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	1.0	0.15	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.50	0.10	1	08/11/15 17:34	08/13/15 13:19	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06 Date Collected: 08/07/15 10:00

Client ID: DW-6 Date Received: 08/10/15

Sample Location: 425 UNION BLVD, WEST ISLIP, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Arsenic, Total	2.6		mg/kg	0.48	0.10	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Barium, Total	7.7		mg/kg	0.48	0.14	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Beryllium, Total	ND		mg/kg	0.24	0.05	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Cadmium, Total	26		mg/kg	0.48	0.03	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Chromium, Total	4.0		mg/kg	0.48	0.10	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Copper, Total	29		mg/kg	0.48	0.10	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Lead, Total	3.0		mg/kg	2.4	0.10	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/13/15 08:10	08/13/15 12:07	EPA 7471B	1,7471B	DB
Nickel, Total	10		mg/kg	1.2	0.19	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Selenium, Total	ND		mg/kg	0.95	0.14	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT
Silver, Total	ND		mg/kg	0.48	0.10	1	08/11/15 17:34	08/13/15 13:22	EPA 3050B	1,6010C	TT

Project Name: 7655 **Lab Number:** L1518923

Project Number: 7655 **Report Date:** 08/21/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG811151-1										
Arsenic, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	08/11/15 17:34	08/11/15 20:54	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-06 Batch: WG811638-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	08/13/15 08:10	08/13/15 11:42	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1518923

Report Date: 08/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG811151-2 SRM Lot Number: D088-540								
Arsenic, Total	88		-		79-121	-		
Barium, Total	83		-		83-117	-		
Beryllium, Total	95		-		83-117	-		
Cadmium, Total	99		-		83-117	-		
Chromium, Total	83		-		80-120	-		
Copper, Total	90		-		81-118	-		
Lead, Total	94		-		81-117	-		
Nickel, Total	88		-		83-117	-		
Selenium, Total	91		-		78-122	-		
Silver, Total	91		-		75-124	-		
Total Metals - Westborough Lab Associated sample(s): 01-06 Batch: WG811638-2 SRM Lot Number: D088-540								
Mercury, Total	100		-		72-128	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG811151-4 QC Sample: L1518187-01 Client ID: MS Sample												
Arsenic, Total	2.9	11.5	13	87		-	-		75-125	-		20
Barium, Total	70.	192	230	83		-	-		75-125	-		20
Beryllium, Total	0.35J	4.81	4.9	102		-	-		75-125	-		20
Cadmium, Total	1.4	4.91	5.5	84		-	-		75-125	-		20
Chromium, Total	12.	19.2	30	94		-	-		75-125	-		20
Copper, Total	21.	24	43	91		-	-		75-125	-		20
Lead, Total	91.	49.1	130	79		-	-		75-125	-		20
Nickel, Total	8.2	48.1	51	89		-	-		75-125	-		20
Selenium, Total	ND	11.5	11	95		-	-		75-125	-		20
Silver, Total	ND	28.9	26	90		-	-		75-125	-		20
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG811638-4 QC Sample: L1518923-01 Client ID: DW-1												
Mercury, Total	0.028J	0.169	0.21	**124**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG811151-3 QC Sample: L1518187-01 Client ID: DUP Sample						
Arsenic, Total	2.9	3.0	mg/kg	3		20
Barium, Total	70.	69	mg/kg	1		20
Beryllium, Total	0.35J	0.34J	mg/kg	NC		20
Cadmium, Total	1.4	1.8	mg/kg	**25**	Q	20
Chromium, Total	12.	14	mg/kg	15		20
Copper, Total	21.	20	mg/kg	5		20
Lead, Total	91.	91	mg/kg	0		20
Nickel, Total	8.2	8.4	mg/kg	2		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG811638-3 QC Sample: L1518923-01 Client ID: DW-1						
Mercury, Total	0.028J	0.03J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-01
Client ID: DW-1
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 07:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.2		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-02
Client ID: DW-2
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 08:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.1		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-03
Client ID: DW-3
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 08:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	55.5		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-04
Client ID: DW-4
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 09:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.8		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-05
Client ID: DW-5
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 09:30
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

SAMPLE RESULTS

Lab ID: L1518923-06
Client ID: DW-6
Sample Location: 425 UNION BLVD, WEST ISLIP, NY
Matrix: Soil

Date Collected: 08/07/15 10:00
Date Received: 08/10/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.5		%	0.100	NA	1	-	08/11/15 15:07	30,2540G	AB

Lab Duplicate Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG811090-1 QC Sample: L1518923-01 Client ID: DW-1						
Solids, Total	76.2	74.4	%	2		20

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518923-01A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1518923-01B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-01C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-02A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1518923-02B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-02C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-03A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1518923-03B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-03C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-04A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 7655
Project Number: 7655

Lab Number: L1518923
Report Date: 08/21/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1518923-04B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-04C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-05A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1518923-05B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-05C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-06A	Vial Large Septa unpreserved (4o	A	N/A	4.8	Y	Absent	NYTCL-8260(14)
L1518923-06B	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L1518923-06C	Glass 250ml/8oz unpreserved	A	N/A	4.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TS(7),CU-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1518923
Project Number:	7655	**Report Date:**	08/21/15

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518923
Project Number:	7655	**Report Date:**	08/21/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1518923
Project Number:	7655	**Report Date:**	08/21/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1518923

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

Serial_No:08211512216

LAB NAME: Alpha Analytical

RECEIVED DATE: 8/10/15

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: ~~Waste Analyst AND~~ M. Bluight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: ~~Analyst@impactenvironmental.com AND~~ mbluight @impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Bluight
Sampler's Signature: M. Bluight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	Matrix Code	Sample Type	Sample Type ~~Date~~	Time	Total # of bottles	Sample Containers: Number of Each Preserved Bottle: None	ICE	HCL	Methanol (EPA 5035)	Sodium Bisulfate (EPA 5035)	OTHER (List)	Impact Analytical Package A*	Impact Analytical Package B**	VOCs 8260 (List for NY Part 375 & NJ DCSRS)	SPLP (Mark 'H' in box for 'Hold')	NYCDEP Sewer Discharge Parameters	SOPs SOP 9-95 List VOCs	SOPs SOP 9-95 List SVOCs	SOPs SOP 9-95 List Total Metals				LAB USE ONLY
	1 DW-1	S	G	8/7/15	07:30	3		3										X	X	X				
	2 DW-2	S	G	8/7/15	08:00	3		3										X	X	X				
	3 DW-3	S	G	8/7/15	08:30	3		3										X	X	X				
	4 DW-4	S	G	8/7/15	09:00	3		3										X	X	X				
	5 DW-5	S	G	8/7/15	09:30	3		3										X	X	X				
	6 DW-6	S	G	8/7/15	10:00	3		3										X	X	X				
	7																							
	8																							
	9																							
	10																							

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [X] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other
- [ ] EDD Format

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NYS Part 375 parameters and detection limits
**Package B (proprietary) - Same as Package A, plus TCLP Metals & TPH

NOTES & DIRECTIONS TO THE LAB:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 M. Bluight	1 8/10/15	1 Paul Lane AAL	1 Paul Lane AAL	2 8/10/15 1900	2 Tom Tobin 8-10-15 1900
3 Tom Tobin	3 8/10/15 2235	3	4	4	4
5	5	5			

COOLER INFORMATION
Cooler Temp:_____ pH:_____ ☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Updated March 2011

ANALYTICAL REPORT

Lab Number:	L1519597
Client:	Impact Environmental 170 Keyland Ct Bohemia, NY 11716
ATTN:	Michael Bluight
Phone:	(631) 269-8800
Project Name:	7655
Project Number:	7655
Report Date:	08/19/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1519597-01	MW-6	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:00	08/14/15
L1519597-02	MW-7B	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:10	08/14/15
L1519597-03	MW-2	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:20	08/14/15
L1519597-04	MW-21A	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:30	08/14/15
L1519597-05	MW-21B	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:40	08/14/15
L1519597-06	MW-3	WATER	425 UNION BLVD., WEST ISLIP, NY	08/14/15 09:50	08/14/15

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 08/19/15

ORGANICS

VOLATILES

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-01
Client ID: MW-6
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 15:55
Analyst: PD

Date Collected: 08/14/15 09:00
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-01 Date Collected: 08/14/15 09:00

Client ID: MW-6 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	44		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	14		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-01 Date Collected: 08/14/15 09:00

Client ID: MW-6 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-02
Client ID: MW-7B
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 16:31
Analyst: PD

Date Collected: 08/14/15 09:10
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-02 Date Collected: 08/14/15 09:10

Client ID: MW-7B Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	20		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	14		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-02 Date Collected: 08/14/15 09:10

Client ID: MW-7B Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	89		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-03
Client ID: MW-2
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 17:06
Analyst: PD

Date Collected: 08/14/15 09:20
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	5.2		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.6		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	0.19	J	ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	2.0		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-03 Date Collected: 08/14/15 09:20

Client ID: MW-2 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	0.79	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	0.79	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	32		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	15		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-03 Date Collected: 08/14/15 09:20

Client ID: MW-2 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-04
Client ID: MW-21A
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 17:40
Analyst: PD

Date Collected: 08/14/15 09:30
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.0	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-04 Date Collected: 08/14/15 09:30

Client ID: MW-21A Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	26		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	14		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-04 Date Collected: 08/14/15 09:30

Client ID: MW-21A Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	92		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-05
Client ID: MW-21B
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 18:15
Analyst: PD

Date Collected: 08/14/15 09:40
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-05 Date Collected: 08/14/15 09:40

Client ID: MW-21B Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	17		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	15		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-05 Date Collected: 08/14/15 09:40

Client ID: MW-21B Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	85		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-06
Client ID: MW-3
Sample Location: 425 UNION BLVD., WEST ISLIP, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/15 18:49
Analyst: PD

Date Collected: 08/14/15 09:50
Date Received: 08/14/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-06 Date Collected: 08/14/15 09:50

Client ID: MW-3 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	63		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	16		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

SAMPLE RESULTS

Lab ID: L1519597-06 Date Collected: 08/14/15 09:50

Client ID: MW-3 Date Received: 08/14/15

Sample Location: 425 UNION BLVD., WEST ISLIP, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	90		70-130

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG813134-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG813134-3					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylene (Total)	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene (total)	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 7655 **Lab Number:** L1519597

Project Number: 7655 **Report Date:** 08/19/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/15 09:58
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG813134-3					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG813134-1 WG813134-2								
Methylene chloride	97		95		70-130	2		20
1,1-Dichloroethane	99		97		70-130	2		20
Chloroform	91		88		70-130	3		20
Carbon tetrachloride	118		115		63-132	3		20
1,2-Dichloropropane	90		89		70-130	1		20
Dibromochloromethane	82		78		63-130	5		20
1,1,2-Trichloroethane	97		94		70-130	3		20
Tetrachloroethene	85		83		70-130	2		20
Chlorobenzene	85		83		75-130	2		20
Trichlorofluoromethane	96		94		62-150	2		20
1,2-Dichloroethane	94		92		70-130	2		20
1,1,1-Trichloroethane	84		83		67-130	1		20
Bromodichloromethane	86		83		67-130	4		20
trans-1,3-Dichloropropene	77		74		70-130	4		20
cis-1,3-Dichloropropene	77		74		70-130	4		20
1,1-Dichloropropene	90		88		70-130	2		20
Bromoform	83		80		54-136	4		20
1,1,2,2-Tetrachloroethane	98		99		67-130	1		20
Benzene	87		85		70-130	2		20
Toluene	87		85		70-130	2		20
Ethylbenzene	90		87		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655

Project Number: 7655

Lab Number: L1519597

Report Date: 08/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG813134-1 WG813134-2								
Chloromethane	85		106		64-130	**22**	Q	20
Bromomethane	92		108		39-139	16		20
Vinyl chloride	97		98		55-140	1		20
Chloroethane	128		**142**	Q	55-138	10		20
1,1-Dichloroethene	86		85		61-145	1		20
trans-1,2-Dichloroethene	87		84		70-130	4		20
Trichloroethene	89		87		70-130	2		20
1,2-Dichlorobenzene	87		86		70-130	1		20
1,3-Dichlorobenzene	86		84		70-130	2		20
1,4-Dichlorobenzene	86		84		70-130	2		20
Methyl tert butyl ether	96		96		63-130	0		20
p/m-Xylene	90		87		70-130	3		20
o-Xylene	88		86		70-130	2		20
cis-1,2-Dichloroethene	87		83		70-130	5		20
Dibromomethane	90		90		70-130	0		20
1,2,3-Trichloropropane	98		98		64-130	0		20
Acrylonitrile	113		111		70-130	2		20
Styrene	82		80		70-130	2		20
Dichlorodifluoromethane	110		104		36-147	6		20
Acetone	115		110		58-148	4		20
Carbon disulfide	98		92		51-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG813134-1 WG813134-2								
2-Butanone	130		132		63-138	2		20
Vinyl acetate	**68**	Q	74		70-130	8		20
4-Methyl-2-pentanone	106		108		59-130	2		20
2-Hexanone	121		117		57-130	3		20
Bromochloromethane	93		92		70-130	1		20
2,2-Dichloropropane	129		130		63-133	1		20
1,2-Dibromoethane	90		89		70-130	1		20
1,3-Dichloropropane	93		92		70-130	1		20
1,1,1,2-Tetrachloroethane	80		77		64-130	4		20
Bromobenzene	87		85		70-130	2		20
n-Butylbenzene	98		93		53-136	5		20
sec-Butylbenzene	94		91		70-130	3		20
tert-Butylbenzene	89		86		70-130	3		20
o-Chlorotoluene	91		88		70-130	3		20
p-Chlorotoluene	91		89		70-130	2		20
1,2-Dibromo-3-chloropropane	103		98		41-144	5		20
Hexachlorobutadiene	97		89		63-130	9		20
Isopropylbenzene	89		86		70-130	3		20
p-Isopropyltoluene	94		89		70-130	5		20
Naphthalene	110		112		70-130	2		20
n-Propylbenzene	96		93		69-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG813134-1 WG813134-2								
1,2,3-Trichlorobenzene	107		106		70-130	1		20
1,2,4-Trichlorobenzene	99		97		70-130	2		20
1,3,5-Trimethylbenzene	93		90		64-130	3		20
1,2,4-Trimethylbenzene	93		90		70-130	3		20
1,4-Dioxane	107		98		56-162	9		20
p-Diethylbenzene	91		86		70-130	6		20
p-Ethyltoluene	95		92		70-130	3		20
1,2,4,5-Tetramethylbenzene	94		89		70-130	5		20
Ethyl ether	100		99		59-134	1		20
trans-1,4-Dichloro-2-butene	96		95		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	97		96		70-130

Project Name: 7655
Project Number: 7655

Lab Number: L1519597
Report Date: 08/19/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1519597-01A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-01B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-01C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-02A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-02B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-02C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-03A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-03B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-03C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-04A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-04B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-04C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-05A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-05B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-05C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-06A	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-06B	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1519597-06C	Vial HCl preserved	A	N/A	2.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	7655	**Lab Number:**	L1519597
Project Number:	7655	**Report Date:**	08/19/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1	- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1519597
Project Number:	7655	**Report Date:**	08/19/15

Data Qualifiers

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name:	7655	**Lab Number:**	L1519597
Project Number:	7655	**Report Date:**	08/19/15

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility
EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.
EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.
EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 625: 4-Chloroaniline, 4-Methylphenol.
SM4500: Soil: Total Phosphorus, TKN, NO2, NO3.
EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water
EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7**: Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water
EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;
EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;
EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF**.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L1519597

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of 1

Serial_No:08191510:05

LAB NAME: Alpha Analytical

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: M. Blight
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: mblight@impactenvironmental.com

Project Information

Project Name: 7655
Street: 425 Union Blvd
City: West Islip **State:** NY **Zip:**
Project #: 7655
Sampler's Name: M. Blight
Sampler's Signature: M. Blight

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)	VOCs 8260 TAL/TCL Full List						(LAB USE ONLY)
-01	1 MW-6		L	G	8/14/15	09:00	3			W									X						
-02	2 MW-7B		L	G	8/14/15	09:10	3			W									X						
-03	3 MW-2		L	G	8/14/15	09:20	3			W									X						
-04	4 MW-21A		L	G	8/14/15	09:30	3			W									X						
-05	5 MW-21B		L	G	8/14/15	09:40	3			W									X						
-06	6 MW-3		L	G	8/14/15	09:50	3			W									X						
	7																								
	8																								
	9																								
	10																								

Matrix Codes

L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type

G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service

- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service

- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)

TAT Approved By / Date:

Data Deliverable Information

- [x] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [ ] EDD Format_____

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 M. Blight	8/14/15 1430	1	2	8/14/15 1850	2 Tom Tobin 8-14-15 1850
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3 Tom Tobin	8/15/15 00:45	3	4		4
Relinquished by:	Date / Time:	Received By:	COOLER INFORMATION		
5	5	5	Cooler Temp:_____	pH:_____	☐ On Ice ☐ Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013