LABELLA Associates, P.C.

Engineering
Architecture
Environmental
Planning

Excavation & Fill Management Plan

Location:

Edison Technical School
655 Colfax Street
Rochester, New York

Prepared For:

Rochester Joint Schools Construction Board
Rochester, New York 14614

LaBella Project No. 212029

April, 2013

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Rochester, New York 14614-1098

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1.0 Introduction & Background

The Edison Technical School (Site) is located at 655 Colfax Street in the City of Rochester, Monroe County, New York, hereinafter referred to as the "Site". This 29.3-acre portion of land is located within the Former Emerson Street Landfill (FESL) footprint. Facility upgrades are being completed at the Site through the Facility Modernization Program (FMP) that will involve the disturbance of sub-surface material that may potentially include some regulated solid waste associated with the FESL. More specifically, the upgrade work will result in excavations along the majority of the Edison Technical School (Edison Tech) main building perimeters. The location of the Site within the FESL is depicted on Figure 1.

The FESL was operated by the City from the early 1930s to 1971 as a landfill. The landfill was used to dispose of ash derived from the incineration of municipal waste at the City's incinerators. Ash fill and construction and demolition debris were the primary waste materials placed in the landfill. Landfilling began south of Emerson Street and gradually expanded northward and eastward to include areas between Emerson Street and Lexington Avenue and east of Colfax Street and south of Emerson Street. Fires due to incomplete incineration and open burning of refuse reportedly occurred in the late 1960s and early 1970s due to operational problems with the incinerators. Fill during this time frame was reportedly being placed north of Emerson Street (i.e., within the Edison Tech Site). In May of 1971 the City's incinerators were shut down; however un-incinerated municipal refuse continued to be placed north of Emerson Street until August of 1971. In August 1971, refuse disposal was ceased at FESL and disposal shifted to a different county landfill. In 1971 the landfill was officially closed and a contract for the closure of the eastern half of the landfill specified 2 feet of cover material (preferred to be a sandy loam) to be placed and compacted to 30% in 1 foot lifts. In September 1971 a contract was awarded for the closure of the western portion of the landfill. Since closure, portions of the Site have been developed by various private parties.

The general types of wastes encountered in investigations at the FESL site include the following:

- Municipal Incinerator Ash - generally consisting of ash, cinders, charred refuse, glass and metal slag. Most ash observed in site investigations appears to be fly ash and bottom ash (clinker) from the municipal solid waste incinerators. This generally consists of soil and rock fill with traces of plastic, metal, wood, concrete, bricks, tiles, and asphalt. Construction and demolition debris observed in past investigations generally fits the definition of construction demolition debris contained in NYSDEC's Part 360. Construction demolition debris fill is common in areas adjacent to current and former roadways onsite, and particularly in the lobe of fill south of Emerson Street and east of Colfax Street.
- Soil and Municipal Refuse - This material generally consists of silty sand cover material and disposed, un-incinerated municipal refuse.

- Low-activity Radioactive Waste - This material generally consisted of a sludge-like waste material associated with glass lenses. The sludge was found to contain low levels of radioactive thorium. This material was primarily encountered in a relatively small area in the southwest portion of the FESL (over 1,600 feet from Edison Tech) and was not associated with incinerator ash and refuse fills. This material was removed by Sevenson Environmental Services on behalf of the City of Rochester.

The majority of the existing landfill has a soil cover. Cover ranges in thickness from 0 ft. up to approximately 6 ft. Cover materials generally consist of topsoil with grass, gravel, asphalt, or glacial till-derived sandy silt.

A portion of the FESL, 4 parcels, is listed as New York State Department of Environmental Conservation (NYSDEC) Inactive Hazardous Waste Disposal Site (IHWDS), Site #828023, while the remaining parcels within the FESL have been de-listed. A "3" classification indicates a site "at which hazardous waste does not presently constitute a threat to the environment." Investigations have been completed since the 1980s and as recently as 2012. These studies have been performed in the past by NYSDEC and the City of Rochester to characterize the type, nature, extent, and impact resulting from waste contained in the FESL. A Soil Vapor Intrusion Assessment Report (SVI Report) dated June 2011 by LaBella Associates, P.C. (LaBella) included a comprehensive review of previous testing data and data collected in 2010-2011. This assessment indicated the majority of waste contained in the FESL is non-hazardous municipal incinerator ash and un-incinerated municipal refuse (north of Emerson Street).

The approximate limits of fill materials based on the previous studies are shown on Figure 2, which also includes the inferred thickness of fill materials.

Due to the environmental history of the property, any waste-fill generated during site disturbances requires special consideration and management. NYSDEC regulations regarding management of solid waste are contained in 6 NYCRR Part 360. A provision has been included in Part 360 that allows for non-hazardous solid waste to be properly managed and replaced within the confines of an inactive solid waste landfill with NYSDEC approval (see Part 360-1.7(b)(9)). Proper management requires that care be taken in planning, monitoring and testing excavated waste-fill material to confirm non-hazardous nature of the excavated materials and allow proper replacement onsite (within the confines of the landfill). The City of Rochester's *Guidance for Waste Fill Management During Site Development, Former Emerson Street Landfill* (H&A of New York, 1997) for the FESL was used as a basis for this site-specific Excavation and Fill Management Plan, and is included as Attachment 1 to this document.

This Excavation and Fill Management Plan (Plan) is intended to provide guidance in the management of soil, fill materials, and water that will be disturbed during the upgrade activities at the Site.

2.0 Supporting Analytical Data/Site Characterization

This Plan utilizes previously gathered analytical data that exists for the FESL, as well as a site specific pre-characterization investigation, in order to develop management practices for the fill and soil that will be generated during excavations associated with site work. As noted above, fill materials at the FESL have been studied through extensive studies including soil borings, test pits and monitoring wells. Specific data relating to the Site is summarized below:

2.1 **FESL Fill Materials:** Previous investigations have characterized the landfill based on numerous borings, test pits and monitoring wells. The 2011 SVI Report included a comprehensive review of all the subsurface investigation work at the FESL. This review resulted in categorizing the FESL subsurface into four distinct quadrants. The Edison Tech parcel is located within Quadrant B which is described below and shown on Figure 2.

Quadrant B (North of Emerson Street):

The Edison Tech property is located with Quadrant B. This Quadrant was filled after 1964 when the incinerator operation was declining. While some un-incinerated putrescible waste may be present within this Quadrant, previous sub-surface investigations have indicated that the majority of the fill material is ash and cinders. Landfill gas flux has been measured between 100 and 1200 $\mu g/m^2$-minute, and/or soil gas methane above 5,000 ppm. Quadrant B also contains a small Chlorinated-VOC plume. This plume is located south of the Edison Tech property and does not impact the property.

2.2 **Groundwater:** Four existing bedrock wells are located on the Edison Tech parcel; GW-6, MW-16D, MW-17D and MW-16S. Wells MW-17 and GW-6 are located along Colfax Street at the northern and southern portions of the parcel, respectively. Wells MW-16S and MW-16-D are located in close proximity to each other approximately 175 feet west of the southern Edison Tech building.

Groundwater results from the most recent sampling event, 2010, indicated that VOCs and CVOCs were not detected above the NYSDEC Part 703 Groundwater Standards in any of the wells. Only one sample collected had an analyte above the laboratory detection limits. The laboratory results from MW-16-D indicated that one (1) CVOC (1,1 Dichloroethane) was detected at 1.1 ppb, well below the regulatory limit.

The basement of the Edison Tech HS building is constructed down to, or even slightly below the top of bedrock, at approximate elevation 521.5 ft. The groundwater elevation in MW-16S on December 8, 2010 was 520.5, or one ft. below the Edison Tech basement floor. This would appear to correlate with the level of water within the basement sumps. It should also be noted that the deeper well west of the building, MW-16D, had a slightly deeper water level (el. 520.35) and more importantly the open-rock interval (sampling interval) of this well is between el. 499.2 and 507.2 and as such is representative of groundwater at least 13-ft. below the level of the sump water. Based on this, the shallow bedrock groundwater, MW16S, (which did not detect any VOCs above the reported laboratory detection limit) is representative of groundwater in the sumps, and thus, the detections in MW-16D do not appear to be a concern.

Since groundwater depth appears to be at or below the Site bedrock and the excavation and

drainage improvement work is not anticipated to go below bedrock, at this time, it is not anticipated that significant volumes of groundwater will be encountered during work. It should be noted that perched groundwater may be encountered and groundwater levels may vary seasonally which could bring groundwater above the top of bedrock.

2.3 **Site Pre-Characterization Investigation:** Prior to the onsite investigations, historic photographs of the construction of the Edison Tech School were located and reviewed, see Attachment 2. From these photographs it appears that at the time of construction the majority of the existing fill was excavated to bedrock within the boundaries of the existing retaining walls (i.e., approximately 40 ft. south and west of the Edison Tech buildings). This large scale excavation suggests that the majority of the regulated materials at the Edison Tech site may have been removed and replaced with clean fill.

Geophysical Survey

Initially, a subsurface utility stakeout was arranged with Dig Safely New York to locate any underground public subsurface utilities servicing the Site property prior to the subsurface investigation. Subsequent to completing the Dig Safely utility stakeout, LaBella retained the services of Pegasus Environmental to survey the perimeter of the Edison Tech main north and south buildings utilizing ground penetrating radar (GPR). Using the GPR subsurface anomalies were identified and recorded with GPS or more traditional means of spatial location. The GPR survey was conducted with a Geophysical Survey Systems, Inc TerraSIRch SIR System-3000 with a 400 MHz Antenna, with an "average power density" of less than 0.0001. The survey was performed via the "line scan" method, whereby targets of concern are randomly identified within 10-ft of the perimeter of the buildings, and traced with perpendicular transects, to identify pipes, lines, conduits, and USTs from geological anomalies.

Soil Boring Investigation

A total of twenty-six (26) soil borings (designated ET-SB-01 through ET-SB-26) were advanced at the Site in December 2012. These borings were advanced in order to pre-characterize the subsurface material prior to the upgrade work. The borings were advanced along the perimeter of both the north and south Edison Tech main buildings. Boring locations can be seen on Figure 3.

Soils from the borings were continuously assessed for visible or olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photoionization detector (RAE MiniRAE 3000 PID). Soil from each boring was screened in the macro-core sleeve. Each soil boring was also screened in the macro-core sleeve for radiation using a radiation meter and pancake probe (Digital Ratemeter/Scaler with 44-9 GM Pancake Probe). Once each boring was complete the open boring hole was screened with a landfill gas meter (Landtec GEM2000 Plus). Positive indications from any of these screening methods are collectively referred to as "evidence of impairment". A positive indication on the radiation meter is considered to be twice that of the background measurements.

North Main Building

A total of eleven (11) borings were advanced along the perimeter of the northern Edison Tech main building. These borings were placed along the building walls at increments ranging from 50-ft to 150-ft, the boring distance from the building wall ranged from 1-ft to 25-ft.

- Northern Side - Refusal depths in the five soil borings advanced along the north side of the

building ranged from 10.5-ft to 11.2-ft bgs, while moist soils where encountered at approximately 8-ft bgs, groundwater was not encountered. Soils on this side of the building consisted mainly of silty clay and stone. A mixture consisting mainly of silt with sparse ash and cinders was observed from approximately 0.5-ft to 5-ft bgs in ET-SB-13, this boring is located at the north-western corner of the building. The fill materials observed in this boring do not appear to continue east, as no fill was observed in the two borings directly east (ET-SB-11 and ET-SB-12). Silt with some sparse cinders was observed in both ET-SB-20 and ET-SB-21, however, the fill was observed at 10-ft bgs in ET-SB-20 and at 2-ft to 6-ft bgs in ET-SB-21.

- Eastern Side - One soil boring was advanced on the eastern side of the building, ET-SB-22. Boring refusal was at 11.2-ft bgs and no groundwater or fill was observed.

- Southern Sides - Refusal depths in the three soil borings advanced on the south side of the building ranged from 6.4-ft to 11.1-ft bgs. Sparse cinders mixed with silt and gravel was observed in ET-SB-18 and ET-SB-19 at 4-ft bgs and 4-ft to 6-ft bgs, respectively. A mixture of silt, ash, cinders and glass was observed in ET-SB-7 from 1-ft to 4 ft-bgs. Groundwater was not encountered.

- Western Side - Two borings, ET-SB-14 and ET-SB-15, were advanced on the western side of the building and had refusal depths of 10.8-ft and 11.6-ft bgs, respectively. Silt with some sparse cinders was observed from 1-ft to 10.5-ft bgs in ET-SB-15 and from 2-ft to 4-ft bgs in ET-SB-14. Groundwater was not encountered.

The borings around the northern Edison Tech main building suggests that a de minimis amount of fill materials (consisting mainly of cinders and some ash, glass, ect.) is mixed sporadically amongst the silt and gravel at intermittent depths around the entire perimeter. The di minimis fill material observed around the northern Edison Tech main building may be the results of re-worked construction fill.

South Main Building

A total of fifteen (15) borings were advanced along the perimeter of the southern Edison Tech main building. These borings were placed along the building walls at increments ranging from 50-ft to 150-ft, the boring distance from the building wall ranged from 1-ft to 25-ft.

- North-East Side - Refusal depths in the four soil borings advanced along the north-east side of the building ranged from 3.2-ft to 12.6-ft bgs, no saturated groundwater zone was encountered. Soils on this side of the building consisted mainly of silt with gravel or silty clay. A mixture of silt with cinders and ash was observed from approximately 0.5-ft to 10-ft bgs in ET-SB-09, and 2-ft to 8-ft bgs in ET-SB-24. ET-SB-08, located between ET-SB-09 and ET-SB-24, contained a distinct layer of cinders (100%) from 3-ft to 4-ft bgs, additionally a mixture of silt, gravel and cinders was observed from 4-ft to 6-ft bgs and 8-ft to 9.6-ft bgs. ET-SB-23 was also advanced in this area; however, refusal was uncharacteristically high for the area at 3.2-ft bgs and suggests that an anomaly exists. No fill was observed in ET-SB-23.

- North-West Side - Two borings, ET-SB-5 and ET-SB-6, were advanced in this area and had refusal depths of 8.4-ft and 8-ft bgs, respectively. No saturated groundwater zone was encountered in this area. Soils on this side of the building consisted of silt with gravel, clayey silt and silty clay. A mixture of silt with cinders and ash was observed from approximately 4-ft to 6-ft bgs in ET-SB-05, and 3-ft to 4.5-ft bgs in ET-SB-06.

- Eastern Side - Refusal depths in the four soil borings advanced along the eastern side of the building ranged from 7.7-ft to 8.1-ft bgs, no saturated groundwater zone was encountered. Soils on this side of the building consisted mainly of silt. Silt with a sparse mixture of cinders was observed from approximately 0.5-ft to 7.7-ft bgs in ET-SB-17. No fill was observed in ET-SB-10, ET-SB-25 and ET-SB-26. ET-SB-10 and ET-SB-26 each exhibited a petroleum odor and readings on the PID between 3-ft and 4-ft bgs.

- Southern Side - Refusal depths in the three soil borings advanced on the south side of the building ranged from 6.9-ft to 7.3-ft bgs. Soils on this side of the building consisted of silt and loamy silt. A trace amount of ash was observed in ET-SB-01 at 3-ft bgs. No fill material was observed in ET-SB-02 and ET-SB-16. Groundwater was encountered at 4-ft bgs in ET-SB-1 and ET-SB-16.

- Western Side - Two borings, ET-SB-3 and ET-SB-4, were advanced on the western side of the building and had refusal depths of 7.6-ft and 7.8-ft bgs, respectively. Silt with some sparse cinders was observed from 3.5-ft to 4.5-ft bgs in ET-SB-03, no fill material was observed in ET-SB-04. Groundwater was not encountered in either boring.

The borings around the southern Edison Tech main building suggests that a de minimis amount of cinders is mixed sporadically amongst the silt and gravel at intermittent depths along the south, east and west sides. It appears a layer of heavy cinders exists along the north-eastern side of the building. The majority of the fill material observed around the southern Edison Tech main building appears to be de-minimis in nature and may be the results of re-worked construction fill.

Field Screening Summary

The presence of VOCs in soil was detected in two, ET-SB-10 and ET-SB-25, of the twenty-six (26) boring locations. The PID readings throughout the other twenty-four (24) borings were 0 parts per million (ppm). The highest PID reading recorded was 31.4 ppm in ET-SB-10, see the table below for a summary of the PID readings.

Test Boring/Sample Location ID	PID Reading (ppm) (sample interval depth in ft)				
	0-2	2-4	4-6	6-8	8-10
ET-SB-10	0	0	31.4	0	0
ET-SB-25	0.0	0.0	7.8	0.0	0.0

Radiation measurements never reached above background concentrations for any of the soil borings advanced. No indications of landfill gases were observed in the soil boring holes, landfill gas levels were consistently; CO = 0 ppm, CH4 = 0% and H2S = 0 ppm.

Analytical Summary

LaBella submitted a total of thirty-six soil samples for laboratory analysis to evaluate the subsurface conditions around the main school buildings. Twenty-three of these samples were analyzed for the following parameters:

- United States Environmental Protection Agency (USEPA) Target Compound List (TCL) and NYSDEC CP-51 List volatile organic compounds (VOCs) using USEPA Method 8260.

Ten of the samples collected were analyzed for the following parameters:

- Vertical composite (4:1) samples from individual borings for Poly-chlorinated biphenyls (PCBs) using USEPA Method 8082, USEPA Resource Conservation and Recovery Act (RCRA) Metals using USEPA Methods 6010 and 7470, USEPA TCL List semi-VOCs (SVOCs) using USEPA Method 8270; and, Pesticides using USEPA Method 8081.

Three of the samples collected were analyzed for:

- VOCs, SVOCs and Metals subsequent to a Toxicity Characteristic Leachate Procedure (TCLP) extraction.

The analytical results for the soil samples are summarized in tables as Attachment 3 and are discussed below. The soil data have been compared to the Soil Cleanup Levels (SCLs) included in NYSDEC Part 375-6.8(a) and Tables 2 and 3 of the NYSDEC Soil Cleanup Policy CP-51 (October 2010). A copy of the laboratory analytical report is included in Appendix 3.

Soil Data

As indicated in the attached tables:

- Pesticides were not detected in any of the samples submitted for analysis.
- PCBs were detected in two (2) soil borings, ET-SB-07 and ET-SB-15. Only one of these, ET-SB-07 had concentrations in exceedance of NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective; however, the detected concentration was below the NYCRR Part 375-6.8(a) Restricted Residential Use Soil Cleanup Objective.
- Each sample submitted for metals analysis had detectible levels, two of these (ET-SB-03 and ET-SB-15) had concentrations exceeding NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective.
- Several VOCs were detected above laboratory MDLs in each of the samples submitted for VOC analysis, but not at concentrations exceeding NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective with the exception of Acetone. Acetone is commonly detected is samples submitted for laboratory analysis due to its use in lab ware cleansing.
- Several SVOCs were detected above laboratory MDLs in each of the samples submitted for SVOC analysis with the exception of ET-SB-07. Only one sample, ET-SB-08, had concentrations exceeding NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objective and Restricted Residential Objectives.

The majority of the material that will be disturbed during the excavation work proposed in proximity of the buildings appears to be re-worked soils or re-worked soils with de minimis quantities of fill materials. The most notable results include the following:

- ET-SB-03 – Lead detection which do not appear to warrant removal actions since these detections, while above the Part 375-6 Unrestricted Use SCOs are below the Restricted Residential;
- ET-SB-07 - PCBs detection which do not appear to warrant removal actions since these detections, while above the Part 375-6 Unrestricted Use SCOs are below the Restricted Residential;
- ET-SB-08 - A distinct layer of cinders was observed should be handled separately by segregating

this material and disposing of this material off-site rather than reusing the material;

- ET-SB-15 - Mercury was detected above both Unrestricted and Restricted NYCRR Part 375-6.8 limits.

Please refer to Section 6.1 for more information regarding the areas discussed above.

3.0 Redevelopment Activities

As part of the redevelopment of the Site, the following activities will disturb the subsurface:

- Basement Waterproofing – In order to prevent structural damage to the foundation of the Edison Tech buildings, measures to upgrade the foundation waterproofing and drainage must be taken. This work will involve excavating to bedrock along the majority of the Edison Tech building perimeters. Drainage collection systems will be installed at the base of the Edison Tech foundation walls and water proofing material will be applied to the walls. The drainage system will convey water to the existing stormwater system which eventually discharges to the Genesee River.

The general work excavation area for the perimeter excavation is depicted on Figure 4. Currently it is anticipated that a 4-ft wide trench will be excavated and a sloped excavation with a 1:1 slope will be used. The lateral extent of the disturbance will depend on the depth to bedrock.

4.0 Geotechnical Test Pits

The fill material excavated from the Site was characterized for its structural integrity in January, 2013. A separate report provides information on the geotechnical work; however, observations regarding fill materials and potential impacts are presented here. Test pits were advanced in three (3) representative areas of the Edison Tech perimeter, see Figure 3. An environmental consultant was present during the test pit advancement to provide monitoring; observations from each pit are presented below. The general conditions observed in test pits coincided with the pre-characterization.

Test Pit 1

Test Pit 1 was advanced on the south-east portion of the southern main building. This area consisted of six (6) inches of top soil followed by approximately 5.5 ft of clean soil with no cinders observed. At approximately 3 ft bgs a steel cable was discovered and is believed to be associated with the school construction and also the cause of the GPR anomaly in this area. At a depth of approximately 6 ft bgs, a six (6) inch layer of dark stained material consisting of organic material and peat with a slight odor was observed. Two soil PID head space readings were taken from this area, recorded PID readings were 3ppm and 300ppm. No radiation or landfill gases were recorded during screening. Bedrock was encountered at 6.5 ft bgs.

Test Pit 2

Test Pit 2 was advanced on the south-west portion of the southern Edison Tech main building. This area consisted of asphalt and sub-base material for approximately the first foot bgs, this layer was followed by a dark silty gravel layer with miscellaneous debris including plastic, metal and cloth objects. Steel cables were again noted in this test pit and are assumed to be the source of the GPR anomaly. A PID soil head space reading was taken from soil at approximately 5ft bgs and had a PID reading of 365, no odors were observed while digging. A foundation drain was encountered at a depth of approximately 6 ft bgs at which point the excavation was stopped. No readings were observed on the radiation or gas meter.

Test Pit 3

Test Pit 3 was advanced on the eastern side of the northern Edison Tech main building. This area consisted of concrete and associated sub-base in approximately the first 8 inches. Below this layer and to a depth of approximately 11.5ft bgs (bedrock) this area consisted of a clayey silt with gravel and with miscellaneous debris including plastic, metal, rubber and cloth objects. No readings on the PID, radiation or gas meter were noted in this test pit.

5.0 Excavation and Fill Management Plan

Material excavated on the Site and determined to coincide with pre-characterization of a di minimis fill nature (Class 1 and 2) will be placed back into the excavation upon completion of the upgrade work, assuming the material meets the structural needs as determined by the Geotechnical Engineer. Excavated materials which do not coincide with the Site pre-characterization will be sampled and analyzed to determine the appropriate disposal or re-use measures. Extra attention will be given to excavated materials in the areas pre-identified as regulated waste or potentially impacted, excavations in these areas will be carefully monitored and characterized for proper handling methods. All such determinations will be made by the Environmental Consultant, with analytical testing as necessary to support decision making.

Materials determined to be unacceptable for reuse onsite will be characterized and disposed off-site at a regulated landfill. This plan follows the intent 6 NYCRR Part 360-1.7(b) (9) that allows for fill materials to be placed into other similarly filled areas within a contiguous property. The method to screen and segregate soil and solid waste will rely on photo ionization detector (PID) readings, visual evidence of impairment, and olfactory evidence of impairment. Depth to groundwater at the Site is expected to be greater than 8-feet. Groundwater is not expected to be encountered during the work, however, provisions are included in this plan, in the event that the excavations require dewatering (refer to Section 5.3). In the event that groundwater is encountered, the groundwater will be containerized, characterized and disposed of in accordance with applicable regulations. In this event, NYSDEC will be notified.

5.1 Screening Procedures for Excavated Soil and Fill

During excavation, soils will be screened at a rate of approximately every 10 cubic yards excavated. Screening will consist of visual and olfactory observations, supplemented by a photoionization detector with a 9.8 eV Lamp (*Note: Varying field conditions may require the utilization of a different lamp)* and Ludlum Model 3-97 radiation meter (or equivalent). Any significant findings including staining, non-soil fill types, odors, elevated PID readings or radiation readings above background will be noted in the site log book, and the associated material will be segregated for management as described below. The detection of radioactive material is not anticipated on the Edison Tech property. Elevated background measurements will be recorded and are anticipated during the application of water sealant materials and these readings will be accounted for in the assessment of downwind VOC monitoring. In addition, areas of Potential Regulated Solid Waste (refer to Figure 4) will also be screened as necessary with an Innov-X Delta X-Ray Fluorescence (XRF) meter (or equivalent) capable of analyzing for Resource Conservation and Recovery Act (RCRA) Metals to the highest degree of accuracy. Additional details on screening and the responsibilities of the Environmental Consultant are provided in Section 6.2.

5.2 Classification of Excavated Soil and Fill

The Environmental Consultant will be on On-Site during all activities that disturb sub-surface materials and will be responsible for determining the Class of excavated materials (refer to Section 6.2 for details on the Environmental Consultant duties). Six classes of excavated materials may be encountered at the Site. As discussed below, only two or three of the classes are anticipated to be encountered. Each of these classes of material will be managed and handled in a manner dictated by evidence of environmental impairment or regulated solid waste. These classes of material are described in Table 1 Below.

Table 1 Material Classifications

Class of Material	Physical Description	Screening Parameter	Management
Class 1 Material	Clean soil, clean fill materials (de minimus amounts of ash, cinders, glass, etc), and visually identifiable non contaminated solid waste (e.g. Brick, concrete, rock – i.e., construction and demolition debris)	No Discernable Odor PID readings less than 10 ppm De minimus quantities ash/cinders/slag or other regulated waste	Staging on-site for subsequent re-use onsite.
Class 2 Material	Significant quantities FESL Ash/Fill and intermittent pieces of metal, plastic, etc.	Significant quantities of ash/cinders/slag or other regulated solid waste (grey color, characteristic appearance). Screen as necessary with XRF.	Off Site disposal at NYCRR Part 360 landfill pending analytical testing. This material may be allowed for use as cover material by the landfill.
Class 3 Material	Soil and Fills with Moderate Petroleum/Cl-VOC Impacts that may Exceed CP-51 Soil Cleanup Objectives	Moderate Petroleum Odor Moderate Staining PID Readings Greater than 10 PPM and less than 1000 PPM and analytical results above the restricted residential SCOs.	In the event the material is sampled for analytical testing, the material may be re-used on-site if results are below NYSDEC Part 375-6 Restricted Residential criteria or sent off Site for disposal at a NYCRR Part 360 landfill. This material may be allowed for use as cover material by the landfill.
Class 4 Material	Solid waste Physically unacceptable for re-use (e.g. larger pieces of refuse, metal scrap, rail road ties)	May or may not contain evidence of Impairment or regulated waste	Off-site disposal per 6 NYCRR Part 360 requirements. This material will likely require direct disposal.

Class of Material	Physical Description	Screening Parameter	Management
Class 5 Material	Significantly impacted soils either solid waste impacted with Petroleum or Possibly solid waste impacted by other chemicals	Strong Petroleum or other odor Significant Staining or presence of free phase liquids PID Readings of 1000 PPM or greater Laboratory analysis required for characterization	Off-site Disposal to be determined based on waste stream characterization
Class 6 Material	Radiation Contaminated Soil/Fill	Ludlum Radiation Meter readings 2x greater than background	Off-site Disposal at regulated facility

Based on the cumulative previous work completed at the FESL and the Site specific work (refer to Section 2.0) and the depth of the proposed construction work, it appears that the majority of the soil and fill that will be encountered at the Site will contain fill pre-characterized as di minimis with respect to landfill materials (specifically Class 1 materials). It is not anticipated that Class 4, Class 5 or Class 6 Material will be encountered; however these classes are included as a contingency. Limited areas of Class 2 and 3 materials will likely be encountered. Any material which is staged onsite must be covered with plastic sheeting to prevent any dispersion of the material via rain or wind.

Class 1 (Pre-Characterized Material): will be temporarily stockpile onsite and re-used to backfill excavations onsite.

Class 2 and 3 Materials: will either be directly loaded onto Part 364 Permitted trucks for off-site disposal or staged on and covered with polyethylene sheeting in a designated area at the Site (i.e., Edison Tech parcel). Class 3 Materials will be disposed in accordance with NYSDEC solid waste regulations at a NYCRR Part 360 landfill within 60 days of stockpiling. It should be noted that additional waste characterization testing may also be required by the receiving landfill. If elevated PID readings are recorded, laboratory analytical results below the restricted residential SCOs may be used to justify re-use.

Class 4 Materials: will either be directly loaded onto Part 364 Permitted trucks for off-site disposal or staged on and covered with polyethylene sheeting in a designated area at the Site (i.e., Edison Tech parcel). Any municipal waste, refuse, metal scrap, or Class 4 Materials that exhibit evidence of impairment will be transported on Part 364 permitted vehicles to a Part 360 permitted landfill. It should be noted that additional waste characterization testing may also be required by the receiving landfill. *Note: Visibly non contaminated wood or C&D will be handled as Class 2 Material and allowed to be reused onsite if approved by the Geotechnical Engineer.*

Class 5 Materials: will be stockpiled at the Edison Tech Site for later offsite disposal at a Part 360 permitted landfill. Stockpiled Class 5 Material will be staged on and covered with polyethylene sheeting. All Class 5 Material will be analyzed for waste stream characterization. Stockpiled Class 5 Material will be transported off site for disposal within 60 days. Class 5 Materials are not expected to be encountered during site upgrade activities.

Class 6 Materials: will be stockpiled at the Edison Tech Site for later offsite disposal at a permitted landfill. Stockpiled Class 6 Material will be staged on and covered with polyethylene sheeting. All Class 6 Material

will be analyzed for additional waste stream characterization. Stockpiled Class 6 Material will be transported off site for disposal within 60 days. Class 6 Materials are not expected to be encountered during site upgrade activities.

5.3 Management Plan for Excavation Derived Water

Groundwater and/or rainwater entering excavations that needs to be removed (dewatered) to facilitate construction activities (or if construction workers will come into contact with the water) will require proper handling, treatment, and disposal. This section provides procedures for identification and proper handling, containerizing, sampling, treating and discharging of the groundwater and storm water that is removed from excavations (i.e., small quantities of water that do not interfere with construction activities will not be removed). The water management plan is as follows:

- The contractor shall stage an adequately sized frac tank for the volume to be pumped. The location selected shall be close to the remedial excavation and sanitary sewer connection.
- The Contractor will be required to supply the appropriate number and size of pumps to dewater the excavation. The contractor will be required to utilize best management practices to minimize sediments during pumping.
- The excavation waters will be containerized in frac tanks by the contractor and then sampled by the Environmental Consultant and analyzed for parameters specified by Monroe County Pure Waters (MCPW). It is anticipated that the excavation waters will ultimately be discharged to the MCPW sewer system. A copy of the MCPW Short Term Sewer Use Permit Application is included in Attachment 4.
- The Contractor will be required to obtain the sewer use permit with MCPW.
- In the event that off-site transportation of impacted water is necessary, a valid 6 NYCRR Part 364 Waste Transporter Permit shall be required. The contractor will be required to provide all disposal documentation at an approved treatment storage and disposal facility to the City of Rochester, if required.

6.0 Implementation and Environmental Monitoring

During the earthwork phases an Environmental Consultant will be assigned to the project on a full time basis.

6.1 Fill Management

The majority of the material that will be disturbed during the excavation work proposed in proximity of the buildings appears to be re-worked soils or re-worked soils with de minimis quantities of fill materials. Based on the lack of significant quantities of fill materials and lack of elevated concentrations of chemical constituents it appears that the majority of material will be acceptable for reuse as backfill from the excavation areas (i.e., placed back in the same area). Furthermore, based on the *Guidance for Waste-fill Management During Site Development* (H&A of New York, 1997), the work completed herein appears to indicate that a majority of these materials would not be considered regulated solids waste. Excavated fill material which has been determined to be suitable for re-use onsite will be temporarily stockpiled at the Site and then subsequently placed back into the excavation or sent for off-site disposal.

The temporary stockpile will be staged on and covered by minimum 6-mil Poly sheeting to prevent contamination of the topsoils and/or runoff. The cover will be maintained and monitored daily until the materials are placed back into the excavation or disposed of off-site.

Materials excavated from areas pre-characterized with potential impacts as denoted on Figure 4 must be stockpiled on and covered with polyethylene sheeting until analytical testing can be completed to determine the appropriate handling of the material. A brief description of these areas is provided below:

- The area of fill at ET-SB-08 where a distinct layer of cinders was observed is being identified as Class 2 material and should be handled separately by segregating this material and disposing of this material off-site rather than reusing the material. Currently it is anticipated that this material can be segregated based on visual observations and additional sampling does not appear warranted (other than supporting waste characterization for disposal).
- The area of fill/soil at ET-SB-15 where an elevated concentration of mercury was detected is being identified as Class 2 material and should also be handled separately by segregating this material and either re-sampling or disposing of this material. Re-sampling appears prudent based on the lack of visual difference between the material encountered in this boring and other adjacent borings without elevated levels of mercury. As such, re-sampling of the material is prudent in order to either confirm the initial sampling results or determine if the initial sampling is not representative of the material in this area.
- The area of fill/soil along the southern perimeter of the southern Edison Tech main building. No pre-characterization has been performed in this area. Based on historic photos and previous investigations the sub-surface in this area may contain significant quantities of regulated solid waste and thus is being identified as Class 2 material.
- The area of fill/soil along the eastern and north-western portions of the southern Edison Tech main buildings are potentially impacted by petroleum based on the soil boring investigation and institutional knowledge of the Site and thus is being identified as Class 3 material.

At this time, it is proposed that the pre-characterized Class 1 Materials from the Edison Tech parcel be placed back into the excavation onsite. The material has been classified from the previous sampling and the laboratory analytical results and boring logs are included in Attachment 5. The analytical results for these samples indicated that all but one (1) of the detected constituents are below the NYSDEC Part 375-6.8 Restricted Residential Soil Cleanup Objectives.

If additional material is necessary to properly fill the excavations, clean imported material will be utilized. However, prior to the importation of any fill, it shall be pre-approved by the City of Rochester. Imported cover material may not require sampling if generated from a pre-approved, and permitted by the City of Rochester. However, in the event the imported cover material is sampled, the number and type of samples should be consistent with NYSDEC DER-10 Table 5.4(e)10.

6.2 Environmental Consultant Duties

The responsibilities of the Environmental Consultant with regard to implementation of this plan are as follows:

- Working with the contractor to pre determine offsite disposal locations.
- Preparation of waste stream profile(s) should Class 3, 4, 5, and/or 6 Materials be encountered.
- Work closely with the contractor to monitor excavations for evidence of environmental impairment, and/or the presence of regulated solid waste. Specifically, this monitoring will include use of a

photo-ionization detector (PID), gas meter, an XRF analyzer and a radiation meter. For evaluating radiation, background range will be established at an off-site location (e.g., LaBella's office parking lot). The radiation monitor will be used by a slow sweeping (5-8 cm per second) motion about 1 cm away from the soils being tested. Care will be taken to not touch the face of the probe to the soils. Evaluation of metals using the XRF shall be completed by collecting multiple readings from a specific area to avoid reading anomalies. The detection of radioactive material is not anticipated on the Edison Tech property.

- During excavations in areas of Potential Regulated Solid Waste (refer to Figure 4) screening shall be conducted with an Innov-X Systems, Inc. DELTA Handheld XRF Analyzer capable of analyzing for RCRA metals, or an equivalent analyzer. Screening will be conducted by placing the XRF meter in front of the sample for a duration that allows the instrument to analyze the chemical composition of the soil sample with the highest degree of accuracy. The XRF will be used to screen for Ag, As, Ba, Cd, Cr, Hg, Pb, and Se. Care will be taken to ensure the XRF is free of soil and debris prior to each reading. These screening results will be used to determine if such soil/fill requires off-site disposal or if the material could be sampled for analytical laboratory testing and potentially be re-used on-site.
- Make all determinations with regard to the classification of materials as detailed above.
- Direct the contractors as to the proper placement and covering materials at the Site. [*Note: The Environmental Consultant will not determine or direct the compaction of backfilled material.*]
- Assist the contractors as to the proper staging, covering, characterizing, transporting and disposing of Class 3, 4, 5 and/or 6 Materials (if encountered).
- Sampling, analysis, and any additional waste stream profiling for Class 3, 4, 5 and 6 Materials as required by the receiving part 360 landfill, or the NYSDEC.
- Implementation of the LaBella Health and Safety Plan (HASP) for LaBella personnel at the Site, Attachment 6. All contractors are responsible for their own health and safety plans, but may refer to the attached plan for assistance in developing its own plan.
- Implementation of the New York State Department of Health (NYSDOH) Generic Community Air Monitoring Plan (CAMP), and Fugitive Dust and Particulate Monitoring Plan, which are included in Attachment 7, during all fill relocation/grading work where there is exposed fill materials. This will included upwind and downwind air monitoring for VOCs and dust.
- In collaboration with the CAMP, the environmental monitor will periodically monitor the waterproofing work for excessive VOC levels in the work area or the surrounding areas. This will be done in order to determine if VOC monitoring of the excavation area or if downwind monitoring readings are impacted and need to account for this work.

6.3 Responsibilities of the Contractor

Based on the work to be completed, this Plan assumes that the contactor will be responsible for the following:

- At the direction of the Environmental Consultant, dust/particulate and VOC suppression (i.e., wetting excavations, equipment, etc.) is the responsibility of the contractor at the Site.
- Maintain stockpiled materials that are staged on the Edison Tech Site (i.e., covering with polyethylene sheeting).
- A rough decontamination of the contractors' equipment prior to removing it from the Site.
- Refer to Specifications for additional responsibilities of the Contractor.

- Ensuring that air handling units have been turned off during the application of waterproofing sealant in the vicinity of the air intakes.

7.0 Health and Safety Plan

LaBella has provided a Site Specific Health and Safety Plan (HASP) as a reference for the project prior to the commencement of redevelopment. The HASP is included as Attachment 6. LaBella's HASP is only a reference and all Contractors or other entities disturbing or working in proximity to subsurface soil and water will need to have a HASP to manage health and safety issues associated with potential exposure to site contaminants of concern.

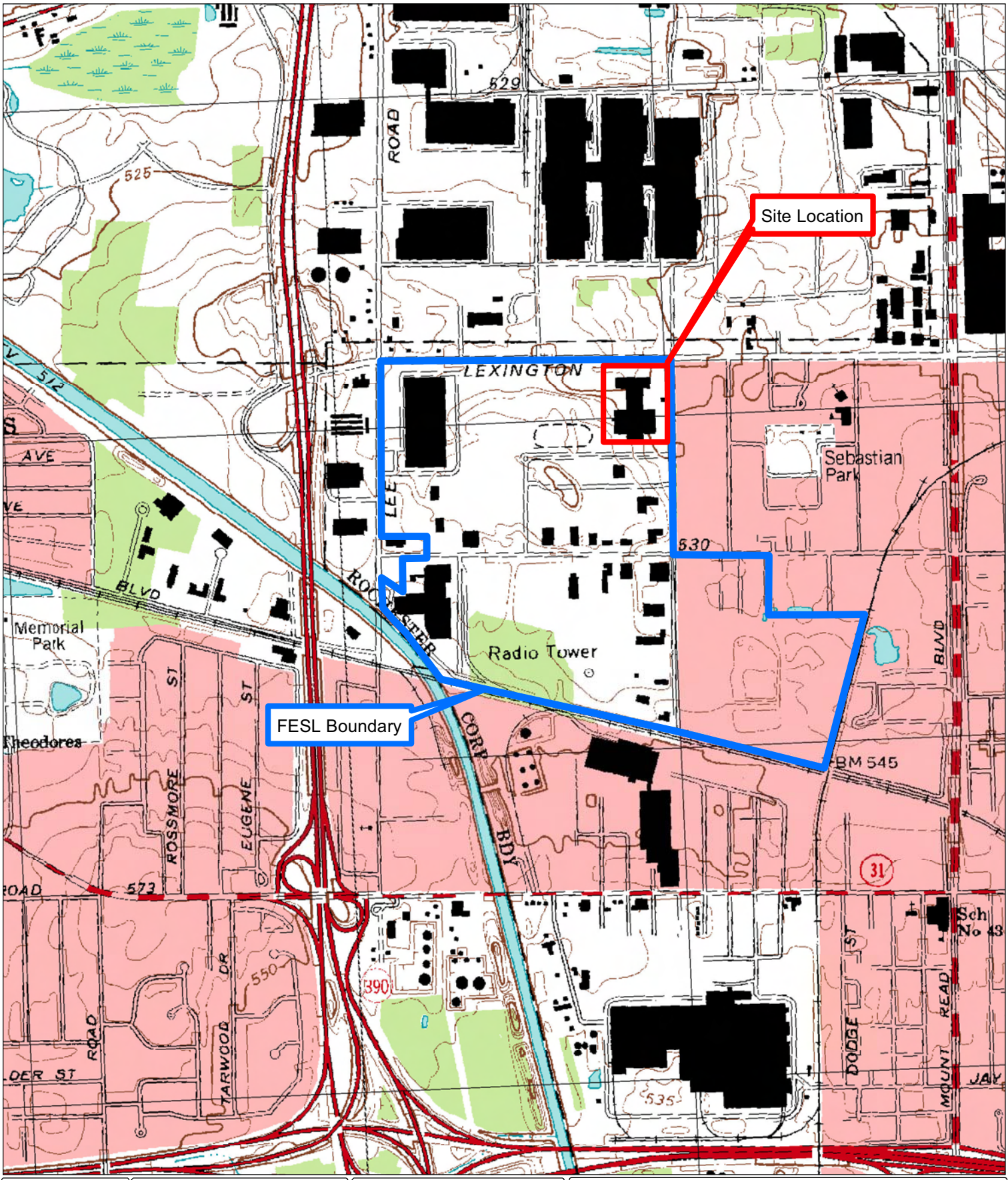
The contractor shall supply a suitable container for disposing of personal protective equipment, such as a steel drum. Disposal of PPE is the responsibility of the contractor. Contractors working at the site may refer to the LaBella HASP, but will be required to develop their own HASP.

8.0 Reporting

A report documenting the work completed during the project will be prepared by the Environmental Consultant subsequent to completion of the project. The report will include; soil screening results, estimated quantities of each class of material excavated, CAMP required documentation, details on the location and quantities of any material transported off-site (including all disposal documentation) and any deviations from the fill plan.

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Figures



PROJECT/DRAWING NUMBER

212029

FIGURE 1

DRAWING TITLE

PROJECT LOCUS WITH USGS 7.5-MINUTE ROCHESTER QUADRANGLE

PROJECT/CLIENT

EDISON TECHNICAL SCHOOL
655 COLFAX STREET

EXCAVATION AND FILL MANAGEMENT PLAN

CITY OF ROCHESTER

LABELLA Associates, P.C.
Engineering
Architecture
Environmental
Planning
300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585)454-3066
www.labellapc.com

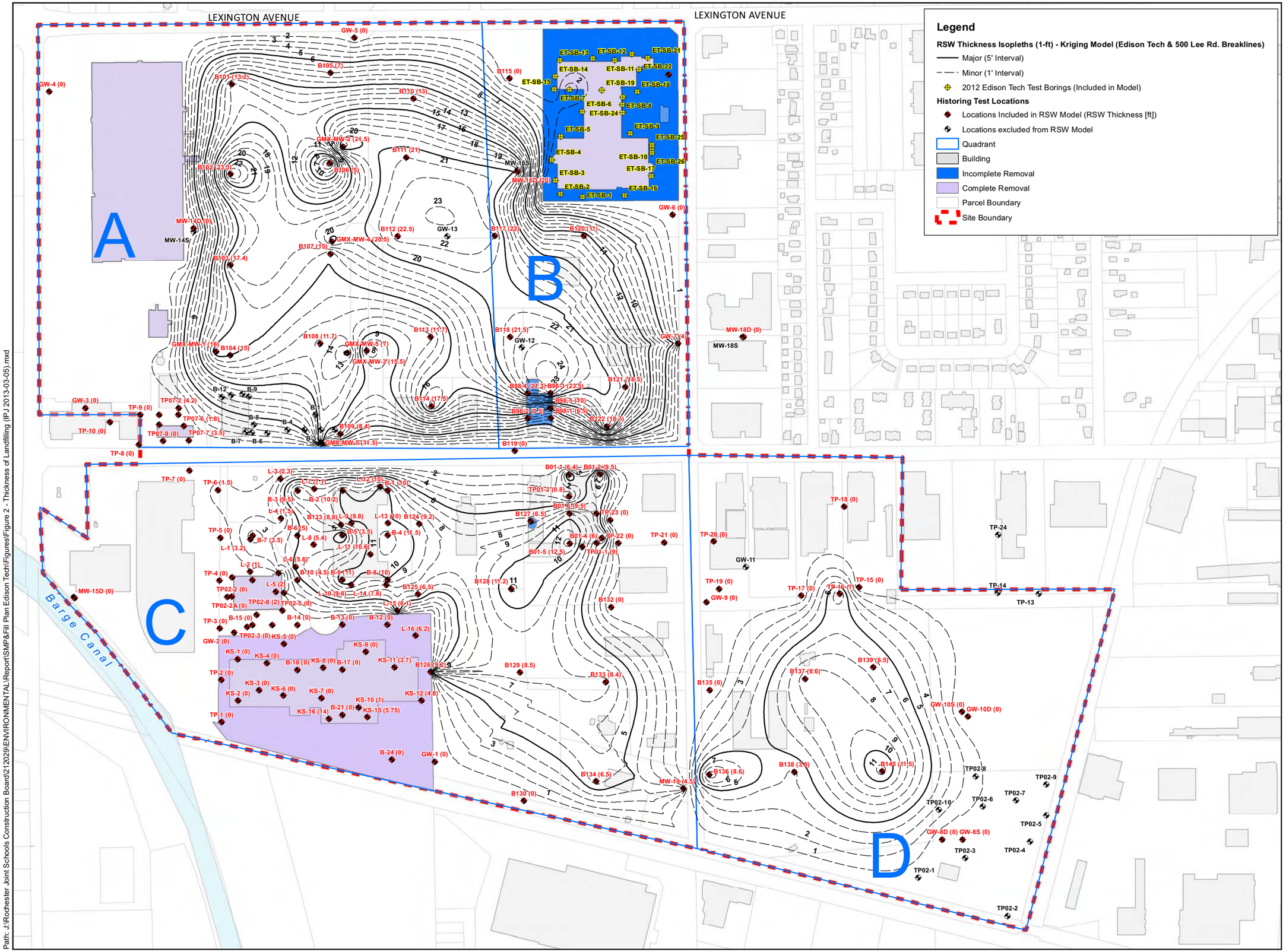
0 625 1,250 2,500 Feet

1 inch = 1,268 feet

N W E S

Path: J:\Rochester Joint Schools Construction Board\212029\ENVIRONMENTAL\Report\Specs\SMP&Fill Plan Edison Tech\Figures\Fig 1 - Locus - Edison Tech Investigation.mxd

User: jjaskowiak



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EXCAVATION AND FILL MANAGEMENT PLAN
EDISON TECH
655 COLFAX STREET
ROCHESTER, NEW YORK

CITY OF ROCHESTER

Historic Test Locations with Regulated Solid Waste (RSW) Limitis and Isopleths

212029

FIGURE 2

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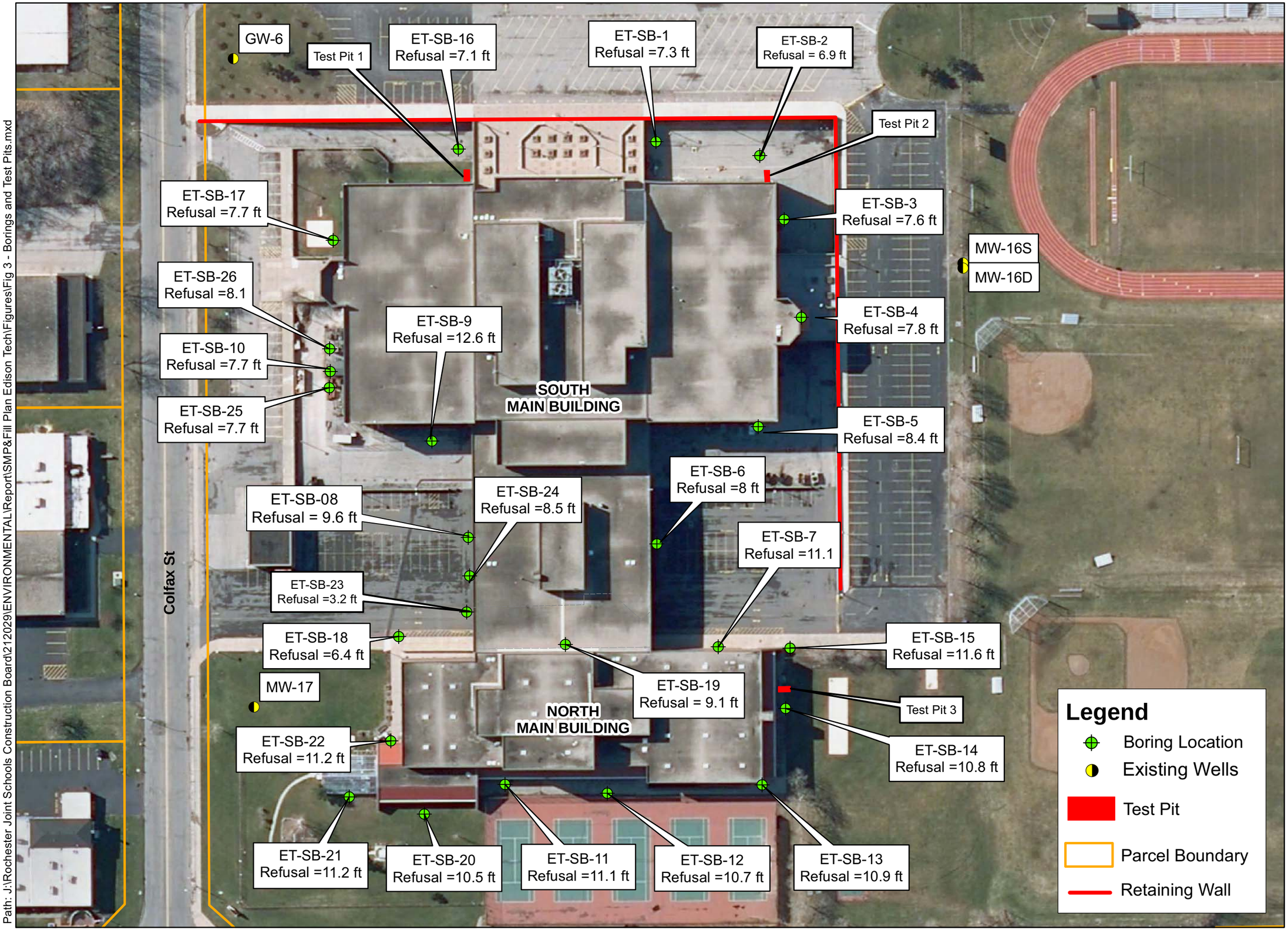

Path: J:\Rochester Joint Schools Construction Board\212029\ENVIRONMENTAL\Report\SMP&Fill Plan Edison Tech\Figures\Fig 3 - Borings and Test Pits.mxd

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EXCAVATION AND FILL MANAGEMENT PLAN
EDISON TECH
655 COLFAX STREET
ROCHESTER, NY

CITY OF ROCHESTER

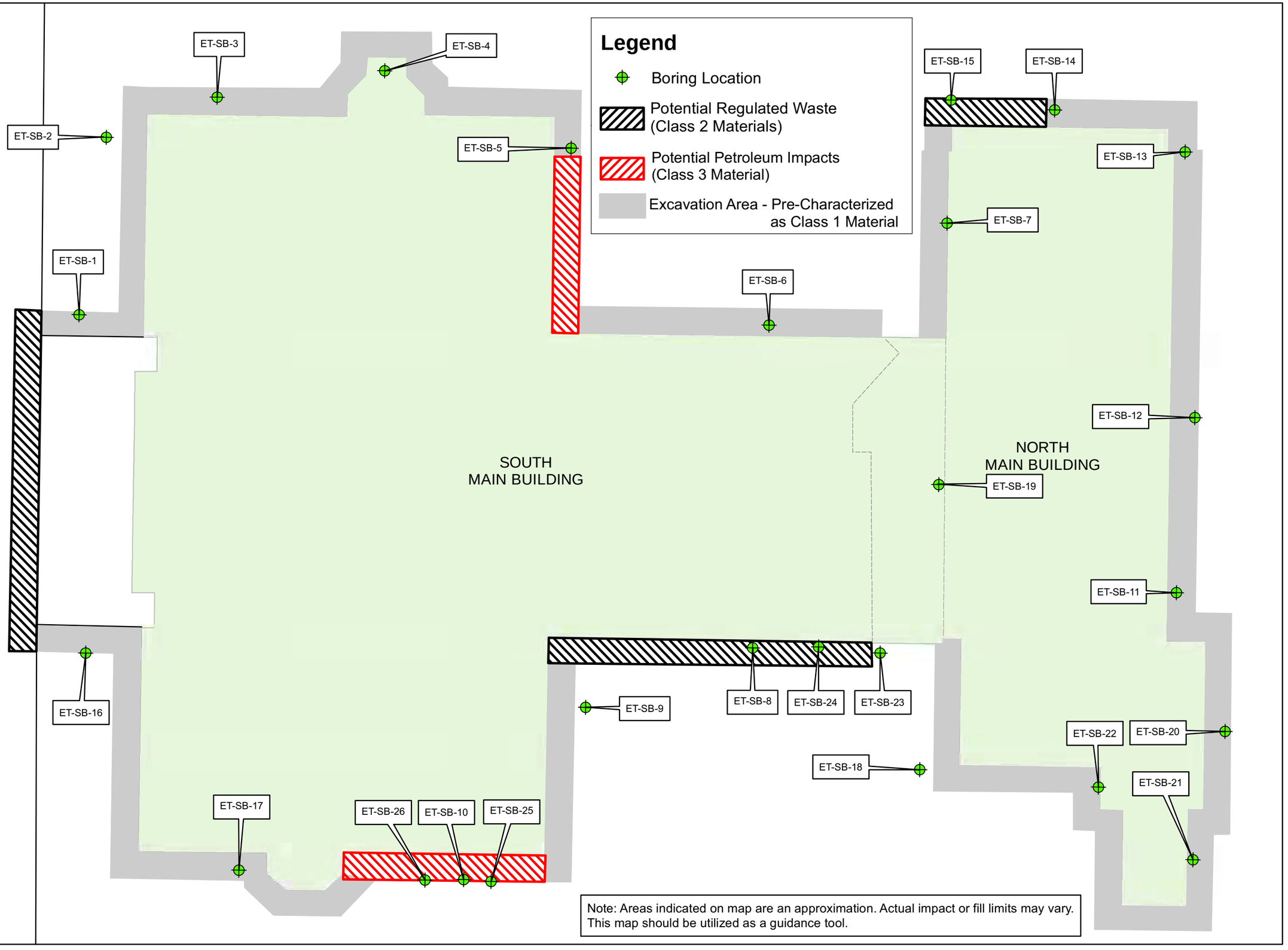
SOIL BORING
AND
TEST PIT LOCATIONS
EDISON TECHNICAL
SCHOOL

S
W
E
N

0 30 60 120
Feet

210029

FIGURE 3



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EXCAVATION AND FILL MANAGEMENT PLAN
EDISON TECH
655 COLFAX STREET
ROCHESTER, NY

CITY OF ROCHESTER

EXCAVATION AND POTENTIAL IMPACT AREAS

0 20 40 80
Feet

210029

FIGURE 4

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 1

Guidance for Waste-fill Management During Site Development, Former Emerson Street Landfill ROCHESTER, NEW YORK

Developed By:

H&A of New York
Rochester, New York

Developed For:

City of Rochester
Dept. of Env. Services
Rochester, New York

File No. 70352-50
Created July 1995
Revised July 1997 by City of Rochester

TABLE OF CONTENTS

I. INTRODUCTION AND SITE BACKGROUND

1-01. DOCUMENT PURPOSE

This document has been developed to assist developers and designers in planning for development, characterizing waste-fill materials that may be excavated during development, and managing excavated waste-fill at the City of Rochester's Former Emerson-Street Landfill site.

The City of Rochester's Former Emerson Street Landfill (FESL) is a former municipal landfill located in Rochester, New York. The FESL is currently listed as a Class "3" site (No. 828023) on the New York State Department of Environmental Conservation (NYSDEC) Registry of Inactive Hazardous Waste Disposal Sites. A "3" classification indicates a site "at which hazardous waste is not presently constitute a threat to the environment." Investigations completed in 1993 updated on-going studies that have been performed in the past by NYSDEC and the City of Rochester to characterize the type, nature, extent, and impact resulting from waste contained in the FESL. The 1993 investigations included an extensive boring and groundwater monitoring program which indicated the majority of waste contained in the FESL is non-hazardous municipal incinerator ash and municipal refuse. Groundwater containing constituents from the landfill appears to be affected primarily in areas limited to beneath the landfill.

A significant portion of the landfill has been developed over the years as an industrial park. Several undeveloped parcels remain within the bounds of the FESL as well as undeveloped acreage on currently developed parcels. Therefore, it is expected that development will continue including expansion of existing buildings/structures, reconstruction of existing structures, and new building development. Such development within the confines of the FESL landfilled area footprint means that waste-fill will need to be excavated and properly managed for purposes of continued site development.

NYSDEC regulations regarding management of solid waste are contained in 6 NYCRR Part 360. A provision has been included in Part 360 that allows for non-hazardous solid waste to be properly managed and replaced within the confines of an inactive solid waste landfill with NYSDEC approval (see Part 360-1.7(b)(9)). Proper management requires that care be taken in planning, monitoring and testing excavated waste-fill material to confirm non-hazardousness and allow proper replacement on site. This document provides guidance for planning and performance of such monitoring, testing, and management of excavated waste-fill material at the FESL site.

1-02. SITE BACKGROUND SUMMARY

The FESL site occupies approximately 230 acres and is located in the northwestern portion of the City of Rochester, New York. The site location and study area that has been used for past investigations are shown on Figure 1 of this document. The study area is roughly bounded by Lexington Avenue on the north, Lee Road on the west, and railroad right-of-way along the south, and Colfax Street to the east. In addition, a lobe-shaped area, apparently including landfilled materials extends off the southeast side of the main filled area to the east of Colfax Street and south of Emerson Street.

Please note that the areas subjected to past study associated with the FESL ("study area") is the area outlined and shown in Figure 1. The actual footprint of the area that has received landfilled materials over the life of FESL operation is smaller and is shown on Figure 6 of the Modified Remedial Investigation Report for the FESL, dated January 1994 (Figure 6 is reproduced in this document).

Prior to FESL operation, the area was relatively flat lying, with a wetland located in the north-central portion of the site. As a result of landfilling activities, the site has been elevated approximately 15± feet above the surrounding area. An industrial park presently occupies most of the FESL site, including larger facilities consisting of the Edison Technical and Occupational Education Center, the Rochester Products Division of AC Rochester, and the Monroe County Resource Recovery facility. The remainder of the site is occupied by various smaller industrial/commercial facilities, as well as several undeveloped parcels and undeveloped land on otherwise developed parcels.

The FESL was operated by the City of Rochester from approximately 1930 until 1971, primarily for the land disposal of municipal refuse-derived incinerator ash and un-incinerated municipal refuse. Landfilling began south of Emerson Street and gradually expanded northward and eastward to include areas between Emerson Street and Lexington Avenue and east of Colfax Street and south of Emerson Street.

This site was primarily used through its history for disposal of ash derived from burning municipal waste at the City's incinerators. Ash fill and construction demolition debris were the primary waste materials placed in the landfill until the late 1960s to 1970. Some open burning of refuse reportedly occurred at the landfill until 1971. In May of 1971 the City's incinerators were shut down, however un-incinerated municipal refuse continued to be placed north of Emerson Street until August of 1971. In August 1971, refuse disposal was ceased at FESL and shifted to a different county landfill.

The general types of wastes encountered in investigations at the FESL site include the following:

- Municipal Incinerator Ash - generally consisting of cinders, charred refuse, glass and metal slag. Most ash observed in site investigations appears to be of bottom ash character (clinker) from the municipal solid waste incinerators.

- Construction Demolition Debris - This generally consists of soil and rock fill with traces of plastic, metal, wood, concrete, bricks, tiles, and asphalt. Construction and demolition debris observed in past investigations generally fits the definition of construction demolition debris contained in NYSDEC's Part 360.

- Soil and Municipal Refuse - This material generally consists of silty sand cover material and disposed, un-incinerated municipal refuse.

- Low-activity Radioactive Waste - This material generally consisted of a sludge-like waste material associated with glass lenses. The sludge was found to contain low levels of radioactive thorium. This material was primarily encountered in the southwest portion of the FESL and was associated with incinerator ash and refuse fills.

The areas of the FESL site containing waste fill are shown in the Modified RI Report Figure 6, reproduced with this document. Ash has been observed to be present in the subsurface throughout the FESL site, except in a small area due south of Lexington Avenue. This area coincides with the locations that received waste fill during the last year of operation of the landfill as incineration was being phased-out. Construction demolition debris fill is common in areas adjacent to current and former roadways on site, and particularly in the lobe of fill south of Emerson Street and east of Colfax Street.

As shown on the Figure 6 from the Modified RI report, the majority of the existing landfill has a soil cover. Cover ranges in thickness from 0 ft. up to approximately 6 ft. Cover materials generally consist of topsoil with grass, gravel, asphalt, or glacial till-derived sandy silt.

Continued development is expected to occur on undeveloped portions of the FESL. Presence of waste-fill material at the FESL site requires, however, that development planning make reasonable consideration of existing site data, history, and presence of materials that would be encountered during construction. Guidance for such consideration is described below.

II. DEVELOPMENT AND PRE-EXCAVATION PLANNING

2-01. SITE PLANNING AND EXISTING INFORMATION

Development site planning should first consider the intended location of proposed development and information from past FESL investigations that may be available for the development location. Proposed development located outside of the footprint of the waste-fill area (see Figure 6 of this document) are unlikely to encounter fill materials derived from FESL operations and therefore would not be subject to the guidance described in this document. However, proposed development locations located near the edge or within the footprint of the waste-fill area, should consider existing data sources in the course of development planning, building design, and construction planning. Extensive records of previous investigation conducted by the City of Rochester, NYSDEC, and others are available from various locations. A list of several summary investigation reports is appended to this document.

The references above, as well as various other records pertaining to operating history of the FESL, industrial park design and development, and site investigation reports may be accessed through the following entities:

- City of Rochester
  30 Church Street
  Rochester, New York 14614
  Contact: Department of Environmental Services

- Monroe County Department of Health
  111 Westfall Road - Rm. 908
  Rochester, New York 14692
  Contact: Richard Elliott

- New York State Department of Environmental Conservation
  Region 8
  6274 East Avon-Lima Road
  Avon, New York 14414
  Contact: Regional Hazardous Waste Remediation Engineer or
  Regional Solid Waste Engineer

- Former Emerson Street Landfill Document Repository
  Lyell Avenue Branch Library
  956 Lyell Avenue
  Rochester, New York 14606

Information available from these entities generally includes reports of past investigations, historical information, subsurface exploration data (test pit reports, boring logs, groundwater well elevation information), and environmental quality data. The environmental quality data, in particular, includes laboratory analysis and waste characterization information of materials encountered in the waste-fill at the FESL site. A summary of waste sample analytical data from a grid-based test boring program across the FESL waste mass is also included in this document (Table V, reproduced from the FESL Modified RI Report, dated January 1994).

2-02. CONSTRUCTION/DESIGN CONSIDERATIONS

Past investigations and laboratory analyses of the waste-fill material in the FESL have shown the majority of waste present consists of non-hazardous solid waste. However, hazardous waste has also been encountered at limited locations. Any waste material that is excavated during construction or site development, must be properly managed. Therefore, the development process can be greatly simplified by planning to minimize excavation needed for construction and anticipating the waste-fill that will be handled during excavation and construction.

NYSDEC regulations under Part 360 (Part 360-1.7 (b)(9)) allow solid waste from non-hazardous inactive landfills, which is excavated as part of construction project, to be returned to the same excavation, or other excavations containing similar solid waste. Such materials may also be relocated within the landfill's existing footprint, provided the handling, relocation, and disposal practices are deemed acceptable to NYSDEC in writing and in advance of the project.

Hazardous waste that is generated as part of the excavation cannot be replaced on the site and must be properly characterized, managed, and disposed off-site at a permitted facility. The party responsible for generating the excavated material (developer or property owner) would be responsible for such characterization, management, and proper disposal. Accordingly, construction planning and development design that allows minimal site excavation means less material needs to be handled on-site (if solid waste) or needs to be disposed off-site (if hazardous waste).

Typical structures currently existing at the FESL site generally consist of slab-on-grade foundations or, for larger structural loads, spread footings, piers, or other foundation elements that provide greater bearing capacity. The extent and nature of fill at the site is a limiting factor on the types of structures which can be placed at the site and requires that careful consideration be given to foundation design of proposed structures so that adequate structural support is maintained. Therefore, developers and design engineers will need to carefully balance the extent and methods of subsurface excavation that will be necessary for foundation construction against the goal of minimizing the amount of waste-fill that needs to be excavated and properly managed during construction.

Developers and design engineers for planned development should also consider that the following elements of construction may be affected by waste characterization and management:

- Basements: If possible, new structures with basements should not be constructed within the waste fill area. If basements are necessary, waste materials must be removed from beneath and adjacent to the basement structure. Basement structures should have adequate drainage to prevent the accumulation of groundwater, and they should be adequately ventilated to prevent the accumulation of landfill gases and/or volatile organic compounds.

- Schedules: Scheduling of construction will need to allow for potential sampling, monitoring, and management of waste-fill material that is excavated during the course of construction. Sampling, in particular, may lead to laboratory analysis. Analytical results typically take from several days to several weeks to be generated. Therefore, design and construction schedules should allow for adequate sample analysis turn-around time.

- Construction De-Watering: Groundwater in some areas of the landfill has been found to contain potentially hazardous landfill-derived constituents. Construction design and planning should consider existing data regarding groundwater quality and depths to allow for proper management of groundwater flow into excavations during construction, if de-watering is necessary for construction purposes.

- Waste Variability: Construction schedules should allow contingency time and measures to address potential unanticipated conditions.

III. WASTE-FILL CHARACTERIZATION

3-01. PRE-CONSTRUCTION SAMPLING

Data from previous investigations may not be available for the specific location where development is planned. Further, even if data is available, waste-fill materials may vary considerably from one location to the next over relatively short distances. Therefore, some pre-construction investigation is recommended to characterize the type of material that is expected to be excavated during actual construction. The overall objective of such characterization is to obtain, observe, and analyze samples that are representative of the waste-fill that will be excavated during construction. This section contains guidance on sampling methods, sample frequency, and laboratory analysis that may be used to characterize waste-fill.

3.1.1 Sampling Methods

Conventional subsurface exploration methods consisting of test pits, test borings, or other methods may be used for sampling waste-fill materials. Overall, the intent of such explorations is to view materials that may be excavated during construction for observable signs of contamination. Such signs typically include:

- Staining
- Chemical Odors
- Fumes or vapors that are detectable by volatile organic compound monitoring instruments
- Observable sheens

These explorations are also intended to gather samples that can be used for laboratory analysis for hazardous waste characteristics. The overall intent of sampling is to obtain a sufficient number of samples to be representative of the total mass of material that is expected to be excavated during construction. If laboratory analysis for hazardous waste characteristics show the samples to be non-hazardous, then the material excavated should be manageable on-site.

The observations and sample collection described above should be documented on test pit logs, test boring logs, or other field notes by a qualified geologist, soil scientist, engineer, or environmental scientist.

The developer and/or design engineer is cautioned that test pit or test trench type explorations should be limited only to the depth and extent of anticipated construction excavation. Such excavation should not be advanced deeper than anticipated construction excavation, nor should they be placed in areas within the footprint of the proposed structure that is intended to provide future structural support. Excavation and replacement of material without consideration of the type of material being disturbed, control replacement, and compaction will compromise its potential bearing strength.

3.1.2 Sample Frequency

In order to generate samples that are representative of the overall waste-fill mass that will be excavated, regular sampling along foundation elements is recommended. Samples may consist of either "grab" or "composite" samples. Grab samples are obtained from a specific location and are representative of the conditions at that location. A composite sample consists of material collected from several locations which are then combined and homogenized to represent an "average" from the sampled locations. Both types of samples may be used for characterizing waste-fill material intended for excavation.

The designer/developer is cautioned that information derived from grab and composite samples may be limited as a result of the method of sampling. Grab samples are representative of a single location and conditions at that location may vary from similar-appearing material located nearby the sample location. Composite samples tend to average conditions from the locations that the composite represents and, therefore, may result in laboratory analytical results that dilute elevated contaminant concentrations or obscure non-detect results. These limitations should be considered in developing a sample plan. It general, it is recommended that grab samples be used for those samples analyzed for volatile organic compounds, and that composite samples be used for those samples analyzed for inorganic analyses (e.g., metals).

Footers - In general,the New York State Department of Environmental Conservation recommends a frequency of one grab sample per 50 lineal ft. of foundation footer (for slab-on-grade type construction). For typical footer excavation of 4 to 5 ft. in depth, and 4 to 5 ft. width, this represents one sample per approximately 50 in-place cubic yards. If the waste fill is of consistent character, i.e. color, odor, grain size, depths, etc. it may be possible to collect samples for a larger volume of soil that 50 cubic yards. Contact the NYSDEC Region 8 office, Division of Environmental Remediation for additional assistance at 226-2466. Disposal facilities will also have testing requirements for volumes of any contaminated soil before they will accept the soil. Smaller structures, or materials that appear to be extremely variable in nature may be amenable to composite sampling to keep laboratory analytical costs at a reasonable level.

Column Supports - If column footers, grade beams, or other structural supports are intended for the proposed building footprint, and these elements will require excavation, sampling is also recommended on a regular basis. Such sampling may consist of periodic grab samples (for example: one grab sample for every third column) or as composited samples (for example: one composited sample derived from three to four adjacent column footer locations).

Sample Integrity - The number of samples, sampling schedule, and intended analyses should be coordinated with a qualified environmental laboratory so that appropriate sample containers, preservation methods, shipping, and holding times may be observed. Several qualified environmental analytical laboratories are present in the Rochester area that are capable of supporting this type of work.

Generally, sample collection will require use of dedicated stainless steel collection implements (trowels

or spoons to place samples in jars). If dedicated sampling equipment is not available, sampling implements will need to be cleaned and properly decontaminated between samples locations. For the types of materials that have been encountered in previous FESL investigations, decontamination using an alconox/water wash and deionized water rinse is generally adequate. However, specific procedures should be reviewed with the analytical laboratory prior to collection and submittal of samples.

3-02. SAMPLE ANALYSES

The intent of laboratory analysis of samples is to determine whether the waste material excavated is hazardous or non-hazardous. By USEPA and NYSDEC regulation a generator of such waste is allowed to make this determination using knowledge of the waste and/or laboratory analysis. Therefore, previously gathered data for an intended development site, as well as the history of operation of the site may be used to form knowledge of the waste. Site specific information may be generated via laboratory analyses of samples.

Generally the waste-fill material excavated at the FESL site will be considered to be non-hazardous solid waste provided laboratory analysis does not show it to be a "Characteristic Hazardous Waste". It is also possible that waste encountered in the fill such as a labelled drum may be a "Listed Hazardous Waste". The generator of the waste will need to use knowledge of the waste and how it was generated to determine if a listed waste is present. Please note that "Characteristically Hazardous" and "Listed Hazardous Waste" are both defined terms within USEPA and NYSDEC regulation.

Solid waste will be considered as hazardous if it exhibits a Hazardous Characteristic, namely, ignitability, corrosivity, reactivity, or toxicity. If Listed Waste is contained within the solid waste sample, the mixture may also be considered as hazardous waste. Accordingly, laboratory analysis should consider analysis for hazardous waste characteristics or to verify if listed waste could be present.

If it is determined that listed waste is present in the excavated soil, the NYSDEC's Technical Administration Guidance Memorandum No. 3028 of November 30, 1992, "Contained-In" Criteria for Environmental Media, provides guidance on how the listed waste may be managed.

Past analyses from the FESL site have generally identified waste as hazardous when they exhibit a hazardous waste characteristic by toxicity test (see below). In most cases, it should be possible to limit laboratory analyses for waste to be excavated during site development to the following parameters:

- Hazardous Waste Characteristics - ignitability (liquids only)

  corrosivity (liquids only)

  reactivity

  toxicity (see next item)

- Hazardous Waste Characteristic of Toxicity - this analysis is performed by using the Toxicity Characteristic Leaching Procedure (TCLP).

- Volatile Organic Analysis - by EPA Method 8010/8020 or 8240.

Because the majority of waste-fill within the FESL site consists of incinerator ash, waste analyses have not to date shown the characteristics of ignitability, corrosivity or reactivity to be present (see Table V). Potential leachability of heavy metals has been the primary reason that a sample may be characterized as hazardous waste by the TCLP procedure. Therefore, it may be possible to limit TCLP analyses to metal constituents. If there is suspicion that volatile organic compounds (VOCs) are present, then it would be appropriate to also include the VOC constituent portion of the TCLP analyses. The developer/designer should consider past site information and these factors in planning lab analyses.

Volatile analyses would be appropriate and should be performed if VOC presence is suspected based on observable odors, sheens, staining, or positive detections by field VOC-monitoring equipment (see Section 4-02 below).

Disposal facility requirements for analysis should also be determined when sampling the excavated soil, particularly the requirements for non-hazardous waste landfills as these usually have the most stringent analytical requirements.

3-03. CONSTRUCTION SAMPLING

Sampling of excavated waste-fill materials during construction should be considered if either of the following conditions exist:

- No pre-construction planning or sampling was performed.
- If conditions during actual construction are significantly different than those observed during pre-construction exploration.

The recommended frequency of sampling during construction (if not otherwise done before construction) should follow the guidelines of sample frequency described above.

IV. MONITORING DURING EXCAVATION

Monitoring of materials being excavated during construction is generally needed for three purposes: 1) protection of health and safety site workers during construction; 2) to determine that excavated waste-fill materials are consistent with the pre-construction characterization; or 3) if no pre-construction characterization was performed.

4-01. HEALTH AND SAFETY MONITORING

Past investigations of the FESL site have shown that hazardous materials may potentially be encountered during subsurface exploration or construction activities. These include materials that could be associated with the waste-fill contained within the FESL site as well as materials that are naturally occurring from bedrock at the site. Generally materials that are associated with the FESL waste-fill mass that may be considered as potential hazardous materials subject to health and safety planning may include:

- Volatile organic compounds - these include petroleum derived constituents as well as a limited number of chlorinated volatile organic compounds.

- Heavy metals from incinerator ash - a variety of heavy metals are present in detectable concentrations in the incinerator ash. Past analyses of incinerator ash have only shown lead to be present at concentrations that exceed TCLP toxicity limits. Health and safety planning should generally consider measures to prevent exposure to heavy metals through engineering controls (dust suppression) or use of personnel protective equipment, or other measures.

- Radioactivity - a radiation survey and subsequent sampling and laboratory analysis revealed the presence of a relatively small volume of low-activity radioactive waste material associated with glass lenses and refuse fills in the southwest portion of the FESL. Approximately 12 tons of the low-level radioactive waste material was excavated and disposed of off-site. Although unlikely, it is possible that other low-level radioactive materials could be encountered during construction. Health & safety planning should consider measures to monitor waste materials for radiation levels above background.

- Landfill derived gases - these may include methane, hydrogen sulfide, or carbon monoxide. Landfill gas sampling and characterization performed during previous investigations has not shown significant levels of these gases to be generated from the waste fill and at the locations sampled. However, they may be present in greater concentrations at other locations and they may be generated in greater concentrations from bedrock at the site (see below).

Naturally occurring substances that may require health and safety planning include the following:

- Bedrock derived gases - this includes primarily methane and hydrogen sulfide. The bedrock underlying the site contains pockets of naturally occurring methane which has been encountered in past borings at concentrations that may approach or exceed explosive limits. In addition, methane and hydrogen sulfide have the potential to collect in deep excavations. Both of these gases are defined as "simple asphyxiants" and therefore consideration should be given to health and safety protection for these conditions.

Health and safety planning should also give consideration to other construction related issues, such as but not limited to trenching safety (as is required under OSHA regulations 29 CAR 1910.1926), or other construction-related OSHA regulations.

Overall, it is recommended that basic health and safety planning be performed and that a written plan be developed for construction activities based on sample analytical results, information specific to the parcel being developed, specific construction tasks to be performed, and the potential for exposure for site workers. This plan should be reviewed by the NYSDEC. Previous investigations and construction activities have routinely been performed. These previous activities has shown that overall, the potential for worker exposure is relatively low. However, all contractors and developers should consider the need for health and safety planning relative to their specific development, and planned activities and tasks.

4-02. WASTE-FILL CHARACTERIZATION

In addition to worker health and safety monitoring of waste-fill excavated during construction should be performed for two reasons:

- to determine that the waste-fill actually excavated during construction is consistent with the characterization of fill developed prior to construction.

- to allow characterization of the non-hazardous or hazardous nature of solid waste excavated in the event that no pre-construction planning, sampling, or analysis was performed.

Monitoring should generally consist of documentation of the same types of observations as those recommended for pre-construction characterization. Namely, observations documented during excavation should include visible characteristics of the waste-fill excavated including obvious staining, sheens, observable odors, or other indicators of contamination.

Several portable monitoring instruments are also available to assist in field monitoring of excavated material. Such instruments are primarily used for detection of volatile organic compounds. Since such compounds have been detected in the past at the FESL site, this instrumentation is also appropriate for construction excavation monitoring. Types of instruments available for this purpose include:

- Photoionization detector instruments (PID) - these instruments operate by drawing a sample of ambient air or gas into a chamber where the gas is ionized using a light source of a specific energy (either 10.2 or 11.7 eV). The intensity of ionization energy is then measured and converted to a signal and a scale reading in parts-per-million (ppm) of total volatile organics concentration.

- Flame ionization detector instruments (FID) - these instruments operate on a similar principle as the PIDs, however, the ionization is caused by a flame produced from a controlled gas source.

- Colorimetric tubes - these are small glass tubes which contain chemical salts formulated to react with specific volatile and some non-volatile compounds. A sample of air is drawn through the tube. The presence of a target chemical causes a reaction and a color change of the chemical salts in the tube. A scale on the side of the tube indicates the apparent concentration of the gas sampled, usually in ppm.

- Radiation survey meters - these portable survey instruments can detect alpha, beta, and/or gamma radiation, and display the radiation level over a specified time period (e.g., counts per

minute, milli-Roentgens per hour, etc.). A scintillation probe, radiation ion chamber, or GM probes are typically used to detect the radiation. Each meter detects different forms of ionizing radiation with different levels of efficiencies. Geiger Muellen (GM) meters are often used as survey meter to detect gamma radiation and would be an appropriate instrument to use at this site.

These instruments are generally available in the Rochester area and can be rented from several sources. They should, however, only be operated by individuals trained and experienced in their use, limitations, and capabilities for data generation.

Any readings generated from such monitoring instruments should be recorded in the field along with the other observations described above. As long as excavation monitoring shows waste-fill material to be consistent with pre-construction characterization, then the fill should be manageable as determined prior to construction. If conditions materially different than those anticipated are encountered, then sampling and additional characterization as described above may be necessary.

V. MANAGEMENT OF EXCAVATED MATERIAL

5-01. ON-SITE MANAGEMENT OF SOLID WASTE

As indicated above, solid waste excavated as part of a construction project may be maintained and replaced on-site with similar materials, or otherwise within the footprint of the inactive landfill. Accordingly, site development plans and designs should allow for placement of the waste-fill as backfill and subsequent grading and covering of the material with soil and vegetation, or a structure (building, parking lot, etc.). The objective of placing cover of the solid waste material is to prevent routine contact with the waste. Therefore coverage should generally consist of approximately 18 inches of clean soil cover and vegetation, or a substantial barriers consisting of concrete slab, the building slab, or asphalt cover. This amount of cover is consistent with thickness of cover that is otherwise generally present at the FESL site. It also meets the minimum cover thickness criteria for ash monofills specified in NYSDEC's Part 360. As with the Health and Safety Plan, the backfill, grading and cover plans should be reviewed by the NYSDEC before beginning work.

Appropriate measures to consider in materials management should include a possible need to temporarily stockpile excavated solid or hazardous waste and measures to prevent its contamination of other materials. Measures to consider for such control include:

- Stockpile locations away from storm sewers, downwind property boundaries, and drainage courses.
- Placement of stockpiles on impervious material (plastic) with perimeter berms.
- Covering stockpiles or exposed waste areas to prevent migration by wind-blown dust or storm water runoff until final placement and final cover is established.

5-02. OFF-SITE DISPOSITION OF SOLID OR HAZARDOUS WASTE

If quantities of excavated material are too great to be incorporated in site grading, then placement off-site within the landfill footprint may be possible. Such placement, however, is subject to being placed within the confines of the FESL footprint, and will require permission of the receiving property owner, NYSDEC, and possibly the City of Rochester and Monroe County Department of Health. The proposed method of placement and cover material will need to be identified to the agencies. Therefore, wherever possible, site development should allow for replacement of excavated solid waste-fill back on the site to be developed.

As indicated previously, it is possible that hazardous waste could be encountered during site development. If such waste is encountered and excavated, it will be the responsibility of the site developer or owner (as the generator of the hazardous waste) to properly handle this waste. Management of such hazardous waste will require characterization, management, and off-site disposal at an appropriate approved facility, consistent with NYSDEC and USEPA hazardous waste management regulations.

VI. SUMMARY AND LIMITATION

In summary, significant development has been performed at the FESL site and future development is anticipated. Past investigations at the FESL site has shown the waste-fill to contain primarily non-hazardous solid waste. NYSDEC regulations allow such solid waste to be excavated and replaced during the coarse of construction and development. However, hazardous waste has occasionally been encountered in the past at the site and excavation for construction purposes creates the potential for additional generation of hazardous waste. Further, it is desirable to reduce the potential for individual exposure to even non-hazardous solid waste. Accordingly, this guidance document has been developed to assist developers and designers in planning for development, characterizing materials that may be encountered during excavation, and planning for the management of those materials.

This document is intended for guidance purposes only. The information contained in the document is neither to be considered as specific direction or policy binding on any of the agencies or firms mentioned in the document. Significant investigation has been performed at the site in the past to develop a general understanding of subsurface conditions. However, such conditions can vary significantly between locations sampled. Further, conditions at a single location can change with time. Therefore, responsibility for properly characterizing excavated materials, planning construction, and appropriately managing any materials encountered, generated, or handled during site development is solely the responsibility of the site developer, owner, and designer.

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SOURCES OF INFORMATION

Ebasco Services, Inc., March 1965. Mount Read-Emerson Area Phase I Feasibility of Development.

H&A of New York, July 1992. Modified Remedial Investigation Work Plan, Former Emerson Street Landfill, Rochester, New York, prepared for: City of Rochester Department of Environmental Services, Rochester, New York.

H&A of New York, April 1993. Delisting Petition for Properties Associated with the Former Emerson Street Landfill Site, Rochester, New York.

H&A of New York, January 1994. Former Emerson Street Landfill Modified Remedial Investigation Report, prepared for: City of Rochester, Department of Environmental Services, Rochester, New York.

Lawler, Matusky & Skelly Engineers, February 1990. Phase II Investigation Addendum, Emerson Street Landfill, prepared for: New York State Department of Environmental Conservation, Albany, New York.

New York State Department of Environmental Conservation, October 9, 1993. Title 6 of the New York State Official Compilation of Codes, Rules and Regulations (6NYCRR), Part 360 - Solid Waste Management Facilities.

New York State Department of Environmental Conservation, Title 6 of the New York State Official Compilation of Codes, Rules and Regulations (6 NYCRR), Part 371, Identification and Listing of Hazardous Wastes.

New York State Department of Environmental Conservation, November 30, 1992. Technical Administrative Guidance Memorandum No. 3028, "Contained In" Criteria for Environmental Media.

Recra Environmental, Inc. and Lawler, Matusky & Skelly Engineers, February 1990, Phase II Investigation, Emerson Street Landfill, prepared for: New York State Department of Environmental Conservation, Albany, New York.

Recra Research, Inc., 28 November 1983, Phase I-Preliminary Investigation of the Emerson Street Landfill, prepared for: New York State Department of Environmental Conservation, Albany, New York.

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TABLES

TABLE V
SUMMARY OF EDISON TECHNICAL AND
OCCUPATIONAL EDUCATION CENTER BASEMENT
COMPOSITE SOIL AND SEEP SAMPLING ANALYTICAL RESULTS

FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

COMPOSITE SOIL SAMPLE

DETECTED PARAMETER	RESULTS (ppm)	USEPA HEALTH BASED Criteria (ppm) (1)	EASTERN U.S. COMMON RANGE (ppm) (2)	EASTERN USA BACKGROUND (ppm) (1)	REC. SOIL CLEANUP GOAL (ppm) (1)
Antimony	28.3	30	< 1 – 8.8	NA	30 OR SB
Arsenic	3.64	NA	< 0.1 – 7.3	(3–12 NYS)	7.5 OR SB
Beryllium	0.772	0.143	< 1 – 7	(0 – 1.75)	0.14
Cadmium	1.04	NA	0.01 – 1.8 *	(0.1 – 1)	1 OR SB
Chromium	13.9	400 (Hexavalent)	1 – 1,000	(1.5 – 40)	10 OR SB
Copper	32.7	NA	1 – 700	(1 – 50)	25 OR SB
Lead	78.8	500 (see Note 4)	< 10 – 300	(4 – 61)	30 OR SB
Mercury	0.492	NA	0.01 – 3.4	(0.001 – 0.2)	0.1
Nickel	9.16	2,000	< 5 – 700	(0.5 to 25)	13 OR SB
Silver	3.72	200	0.01 – 5 *	NA	200
Zinc	151	20,000	< 5 – 2,900	(9 – 50)	20 OR SB

COMPOSITE SEEP WATER SAMPLE

DETECTED PARAMETER	RESULTS (ppm)	NYSDEC GROUNDWATER STANDARD (ppm) (6)
BOD5	67.8	NA
Chloride	706	250
COD, Dichromate	243	NA
Redox Pot. (mv)	326	NA
TOC	21	NA
Antimony	0.110	0.003 (GV)
Arsenic	0.0103	0.025
Cadmium	0.0068	0.010
Chromium	0.0516	0.050
Copper	0.0728	0.2
Lead	0.246	0.025
Mercury	0.00087	0.002
Silver	0.017	0.05
Zinc	0.626	0.300

Notes:
(1) From NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels, November 16, 1992.
(2) From Shacklette & Boerngen, 1984, "Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States", USGS Prof. Paper 1270.
(3) * From Barrett, E.L., 1982, "Metals in Soils: A Brief Summary", USEPA pub. These elements are not commonly found. Common range refers to entire USA.
(4) From USEPA OSWER Directive, 4 June 1992 which establishes soil lead action levels for RCRA Corrective Action in residential settings.
(5) Underlined results indicate an exceedance to soil ingestion health based criteria, common range criteria or background, recommended soil cleanup goals, or groundwater standard or guidance values.
(6) NA = Not Applicable
(7) NYSDEC Groundwater Standards and Guidance values from Division of Water T.O.G.S (1.1.1) Revised November 15, 1991.
(8) SB = Site Background

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TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-102 S1	B-102 S2	B-105 S1	B-106 S2	B-107 S3	B-107D S3	B-107 S4	B-108 S2	B-109 S1	B-110 S1	B-111 S4
SAMPLE DATE	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	14 MAY 93	14 MAY 93	11 JUNE 93	11 JUNE 93
PARAMETERS											
VOLATILE ORGANICS	NA	NA	NA	NA	NA	NA			NA	NA	NA
METHYLENE CHLORIDE							ND	940			
ACETONE							ND	ND			
2-BUTANONE							ND	ND			
1,1,1-TRICHLOROETHANE							ND	ND			
TETRACHLOROETHENE							ND	ND			
ETHYLBENZENE							ND	2500			
(m+p) XYLENE							3J	4700			
o-XYLENE							ND	2600			
TCLP METALS											
ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	1.32	ND	1.19	1.98	1.11	1.82	3.43	2.42	2.12	1.30	1.44
CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	ND	0.242	ND	0.113	ND	0.204	3.60	0.227	0.245	ND	0.117
MERCURY	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS		NA								NA	
pH	8.88		7.71	8.08	NA	NA	9.01	8.18	8.40		8.00
IGNITABILTY (C)	> 100		> 100	> 100	> 100	> 100	> 100	> 100	> 100		> 100
REACTIVITY											
TOTAL AVAILABLE CYANIDE	ND		ND	ND	ND	ND	ND	ND	ND		ND
TOTAL AVAILABLE SULFIDE	ND		ND	ND	ND	ND	ND	ND	ND		ND
TOTAL # OF UNKNOWNS							1	12			
TOTAL CONCENTRATION							10J	128200J			

NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L(PARTS PER MILLION).
3. J - LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND - NOT DETECTED.
5. NA - NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-112	B-112 RE	B-113 S2	B-113 S3	B-115 S1	MW-19	B-120 S1	B-120 S2	B-122 S4	B-122D S4	B-123 S1
SAMPLE DATE	8 JUNE 93	8 JUNE 93	14 MAY 93	14 MAY 93	11 JUNE 93	21 MAY 93	8 JUNE 93	8 JUNE 93	19 MAY 93	19 MAY 93	14 MAY 93
PARAMETERS											
VOLATILE ORGANICS				NA	NA		NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ND	ND	ND			3 J					
ACETONE	29	54	1500 J			120					
2-BUTANONE	ND	ND	ND			41					
1,1,1-TRICHLOROETHANE	ND	3 J	ND			ND					
TETRACHLOROETHENE	ND	ND	ND			ND					
ETHYLBENZENE	ND	ND	640 J			ND					
(m+p) XYLENE	ND	ND	640 J			ND					
o-XYLENE	ND	ND	290 J			ND					
TCLP METALS	NA	NA	NA			NA					
ARSENIC				ND	ND		ND	ND	ND	ND	ND
BARIUM				16.1	1.17		2.08	2.40	1.67	1.85	2.00
CADMIUM				ND	ND		ND	0.101	ND	ND	ND
CHROMIUM				ND	ND		ND	ND	ND	ND	ND
LEAD				22.1	ND		0.222	0.401	0.120	0.210	1.05
MERCURY				ND	ND		ND	ND	ND	ND	ND
SELENIUM				ND	ND		ND	ND	ND	ND	ND
SILVER				ND	ND		ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS	NA	NA	NA			NA					
pH				9.85	7.89		7.32	7.49	7.65	7.89	8.02
IGNITABILTY (C)				> 100	> 100		> 100	> 100	> 100	> 100	> 100
REACTIVITY											
TOTAL AVAILABLE CYANIDE				ND	ND		ND	ND	ND	ND	ND
TOTAL AVAILABLE SULFIDE				ND	ND		ND	ND	ND	ND	6.3*
TOTAL # OF UNKNOWNS	10	6	12			1					
TOTAL CONCENTRATION	167J	82J	36700J			17J					

NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L(PARTS PER MILLION).
3. J - LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND - NOT DETECTED.
5. NA - NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-123D S1	B-123 S2	B-126 S1	B-129 S1	B-134 S1	B-136 S1	B-137 S1	B-138 S1	MW-16A S4
SAMPLE DATE	14 MAY 93	14 MAY 93	19 MAY 93	19 MAY 93	18 MAY 93	14 MAY 93	14 MAY 93	14 MAY 93	9 JUNE 93
PARAMETERS									
VOLATILE ORGANICS	NA	NA	NA	NA	NA	NA		NA	NA
METHYLENE CHLORIDE							ND		
ACETONE							ND		
2-BUTANONE							ND		
1,1,1-TRICHLOROETHANE							ND		
TETRACHLOROETHENE							6J		
ETHYLBENZENE							ND		
(m+p) XYLENE							ND		
o-XYLENE							ND		
TCLP METALS									
ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	2.30	2.79	1.21	ND	ND	ND	ND	ND	1.17
CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	2.89	0.247	0.318	0.342	ND	0.352	ND	0.888	0.433
MERCURY	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ND	ND	ND	ND	ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS			NA						
pH	8.15	8.18		7.75	7.92	8.28	8.20	8.30	7.70
IGNITABILTY (C)	> 100	> 100		> 100	> 100	> 100	> 100	> 100	> 100
REACTIVITY									
TOTAL AVAILABLE CYANIDE	ND	ND		ND	ND	ND	ND	ND	ND
TOTAL AVAILABLE SULFIDE	9.98	184.0		ND	41.2	ND	ND	7.02	ND
TOTAL # OF UNKNOWNS									
TOTAL CONCENTRATION									

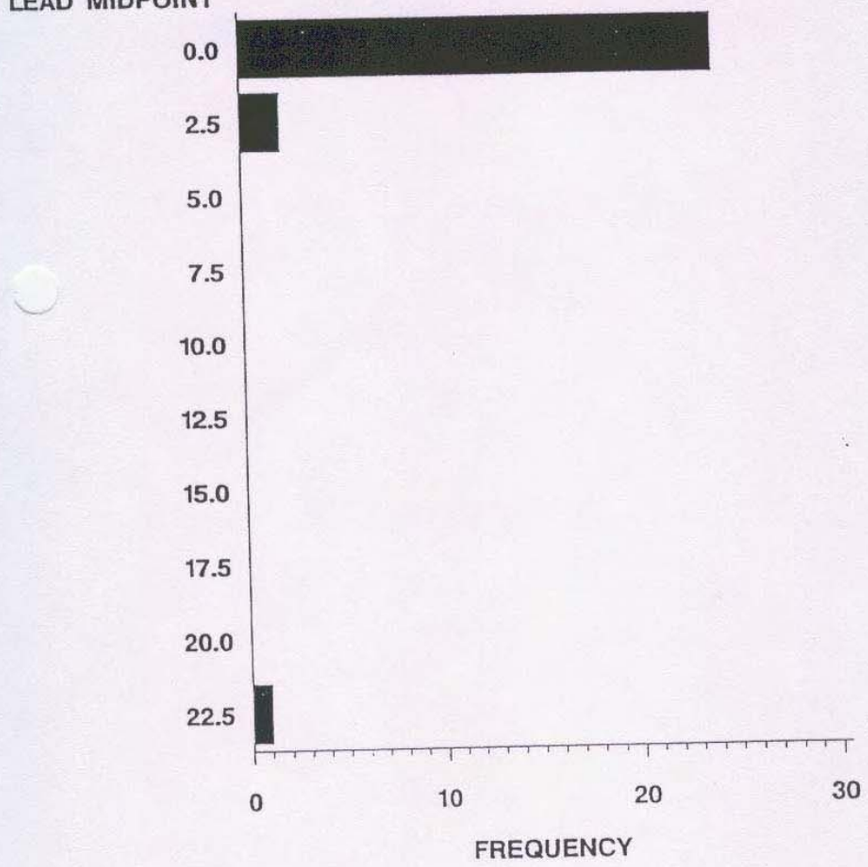
NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L(PARTS PER MILLION).
3. J - LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND - NOT DETECTED.
5. NA - NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

FIGURE 6

FREQUENCY DISTRIBUTION

FESL Lead TCLP Results



LEAD MIDPOINT	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0.0	24	24	88.89	88.89
2.5	2	26	7.41	96.30
5.0	0	26	0.00	96.30
7.5	0	26	0.00	96.30
10.0	0	26	0.00	96.30
12.5	0	26	0.00	96.30
15.0	0	26	0.00	96.30
17.5	0	26	0.00	96.30
20.0	0	26	0.00	96.30
22.5	1	27	3.70	100.00

TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-102 S1	B-102 S2	B-105 S1	B-106 S2	B-107 S3	B-107D S3	B-107 S4	B-108 S2	B-109 S1	B-110 S1	B-111 S4
SAMPLE DATE	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	13 MAY 93	14 MAY 93	14 MAY 93	11 JUNE 93	11 JUNE 93
PARAMETERS											
VOLATILE ORGANICS	NA	NA	NA	NA	NA	NA			NA	NA	NA
METHYLENE CHLORIDE							ND	940			
ACETONE							ND	ND			
2-BUTANONE							ND	ND			
1,1,1-TRICHLOROETHANE							ND	ND			
TETRACHLOROETHENE							ND	ND			
ETHYLBENZENE							ND	2500			
(m+p) XYLENE							3J	4700			
o-XYLENE							ND	2600			
TCLP METALS											
ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	1.32	ND	1.19	1.98	1.11	1.82	3.43	2.42	2.12	1.30	1.44
CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	ND	0.242	ND	0.113	ND	0.204	3.60	0.227	0.245	ND	0.117
MERCURY	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS		NA								NA	
pH	8.88		7.71	8.08	NA	NA	9.01	8.18	8.40		8.00
IGNITABILTY (C)	> 100		> 100	> 100	> 100	> 100	> 100	> 100	> 100		> 100
REACTIVITY											
TOTAL AVAILABLE CYANIDE	ND		ND	ND	ND	ND	ND	ND	ND		ND
TOTAL AVAILABLE SULFIDE	ND		ND	ND	ND	ND	ND	ND	ND		ND
TOTAL # OF UNKNOWNS							1	12			
TOTAL CONCENTRATION							10J	128200J			

NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L (PARTS PER MILLION).
3. J – LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND – NOT DETECTED.
5. NA – NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-112	B-112 RB	B-113 S2	B-113 S3	B-115 S1	MW-19	B-120 S1	B-120 S2	B-122 S4	B-122D S4	B-123 S1
SAMPLE DATE	8 JUNE 93	8 JUNE 93	14 MAY 93	14 MAY 93	11 JUNE 93	21 MAY 93	8 JUNE 93	8 JUNE 93	19 MAY 93	19 MAY 93	14 MAY 93
PARAMETERS											
VOLATILE ORGANICS				NA	NA		NA	NA	NA	NA	NA
METHYLENE CHLORIDE	ND	ND	ND			3 J					
ACETONE	29	54	1500 J			120					
2-BUTANONE	ND	ND	ND			41					
1,1,1-TRICHLOROETHANE	ND	3 J	ND			ND					
TETRACHLOROETHENE	ND	ND	ND			ND					
ETHYLBENZENE	ND	ND	640 J			ND					
(m+p) XYLENE	ND	ND	640 J			ND					
o-XYLENE	ND	ND	290 J			ND					
TCLP METALS	NA	NA	NA			NA					
ARSENIC				ND	ND		ND	ND	ND	ND	ND
BARIUM				16.1	1.17		2.08	2.40	1.67	1.85	2.00
CADMIUM				ND	ND		ND	0.101	ND	ND	ND
CHROMIUM				ND	ND		ND	ND	ND	ND	ND
LEAD				22.1	ND		0.222	0.401	0.120	0.210	1.05
MERCURY				ND	ND		ND	ND	ND	ND	ND
SELENIUM				ND	ND		ND	ND	ND	ND	ND
SILVER				ND	ND		ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS	NA	NA	NA			NA					
pH				9.85	7.89		7.32	7.49	7.65	7.89	8.02
IGNITABILTY (C)				> 100	> 100		> 100	> 100	> 100	> 100	> 100
REACTIVITY											
TOTAL AVAILABLE CYANIDE				ND	ND		ND	ND	ND	ND	ND
TOTAL AVAILABLE SULFIDE				ND	ND		ND	ND	ND	ND	6.37
TOTAL # OF UNKNOWNS	10	6	12			1					
TOTAL CONCENTRATION	167J	82J	36700J			17J					

NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L (PARTS PER MILLION).
3. J - LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND - NOT DETECTED.
5. NA - NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

TABLE VI
SUMMARY OF TEST BORING SAMPLING ANALYTICAL RESULTS
FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

SAMPLE LOCATION	B-123D S1	B-123 S2	B-126 S1	B-129 S1	B-134 S1	B-136 S1	B-137 S1	B-138 S1	MW-16A S4
SAMPLE DATE	14 MAY 93	14 MAY 93	19 MAY 93	19 MAY 93	18 MAY 93	14 MAY 93	14 MAY 93	14 MAY 93	9 JUNE 93
PARAMETERS									
VOLATILE ORGANICS	NA	NA	NA	NA	NA	NA		NA	NA
METHYLENE CHLORIDE							ND		
ACETONE							ND		
2-BUTANONE							ND		
1,1,1-TRICHLOROETHANE							ND		
TETRACHLOROETHENE							6J		
ETHYLBENZENE							ND		
(m+p) XYLENE							ND		
o-XYLENE							ND		
TCLP METALS									
ARSENIC	ND	ND	ND	ND	ND	ND	ND	ND	ND
BARIUM	2.30	2.79	1.21	ND	ND	ND	ND	ND	1.17
CADMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
LEAD	2.89	0.247	0.318	0.342	ND	0.352	ND	0.888	0.433
MERCURY	ND	ND	ND	ND	ND	ND	ND	ND	ND
SELENIUM	ND	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ND	ND	ND	ND	ND	ND	ND	ND	ND
HAZ. CHARACTERISTICS			NA						
pH	8.15	8.18		7.75	7.92	8.28	8.20	8.30	7.70
IGNITABILTY (C)	> 100	> 100		> 100	> 100	> 100	> 100	> 100	> 100
REACTIVITY									
TOTAL AVAILABLE CYANIDE	ND	ND		ND	ND	ND	ND	ND	ND
TOTAL AVAILABLE SULFIDE	9.98	184.0		ND	41.2	ND	ND	7.02	ND
TOTAL # OF UNKNOWNS									
TOTAL CONCENTRATION									

NOTES:

1. ALL VOLATILE ORGANIC CONCENTRATIONS PRESENTED IN UNITS OF UG/KG (PARTS PER BILLION).
2. ALL TCLP LEAD CONCENTRATIONS IN UNITS OF MG/L(PARTS PER MILLION).
3. J – LABORATORY DATA QUALIFIER INDICATING AN ESTIMATED CONCENTRATION REPORTED BELOW PRACTICAL QUANTITATION LIMIT.
4. ND – NOT DETECTED.
5. NA – NOT ANALYZED.
6. SEE FIGURE 4 FOR TEST BORING LOCATIONS.

JWL\WKS24\70352-50\SOILQUL_WK1

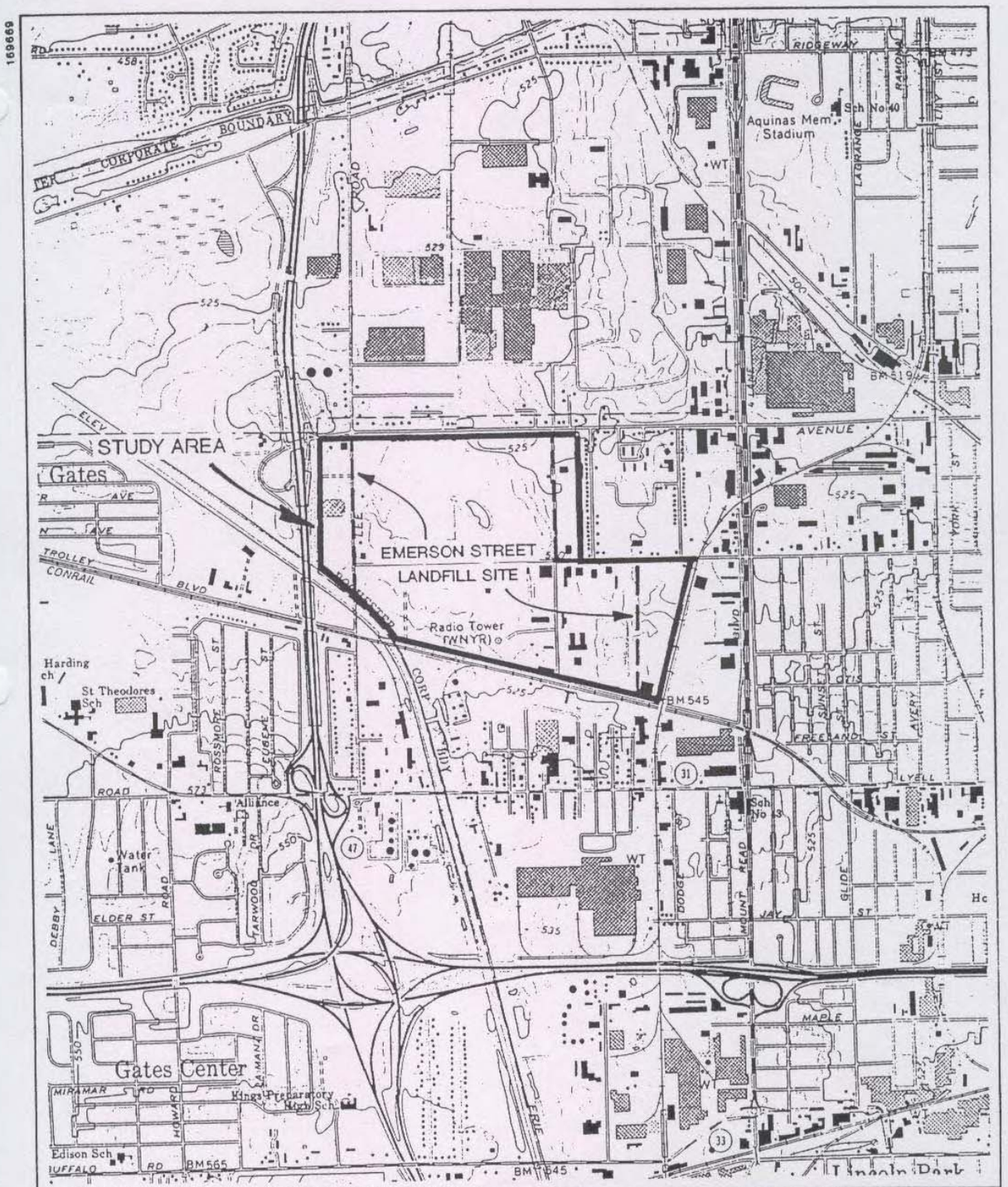
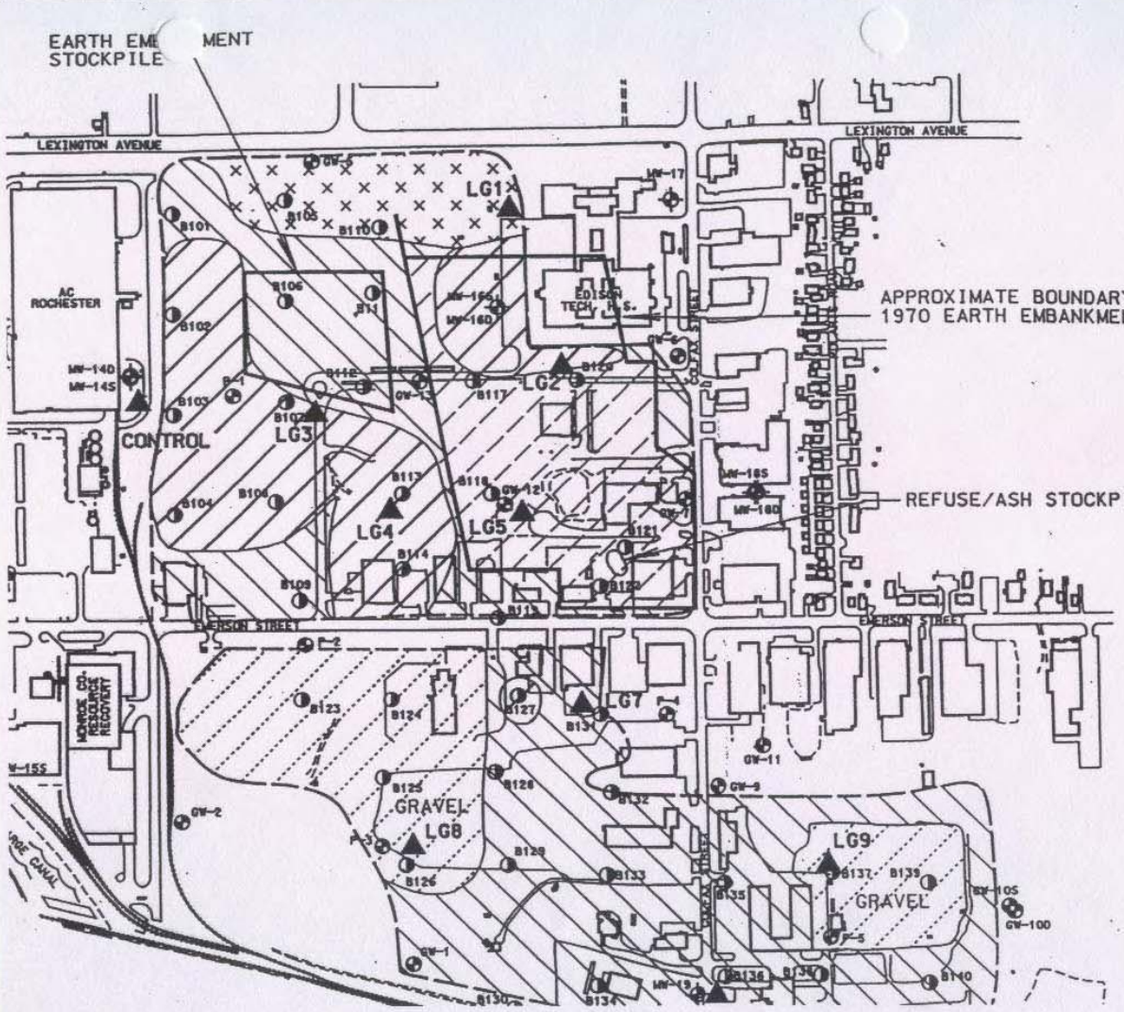

STUDY AREA
EMERSON STREET
LANDFILL SITE
Gates
Gates Center
Aquinas Mem. Stadium
Radio Tower
(WNYR)
Harding
Sch
St Theodores
Sch
Alliance
Water
Tank
Kings Preparatory
Sch
Edison Sch
BM 545
BM 565
CORPORATE BOUNDARY
TROLLEY
CONRAIL
ELDER ST
MIRAMAR RD
BUFFALO RD
RIDGEWAY
AVENUE
MAPLE
Lincoln Park
LATITUDE: 43° 10' 30"N LONGITUDE: 77° 40' 30"W
N
NEW YORK
QUADRANGLE LOCATION
USGS QUADRANGLE: ROCHESTER WEST, N.Y.
H&A OF NEW YORK
Geotechnical Engineers & Environmental Consultants
FORMER EMERSON STREET LANDFILL
MODIFIED REMEDIAL INVESTIGATION
ROCHESTER, NEW YORK
PROJECT LOCUS
SCALE: 1 IN. = 2000 FT.
JANUARY 1994
FILE NO. 70352-47
MAKEPEACE

FIGURE 1

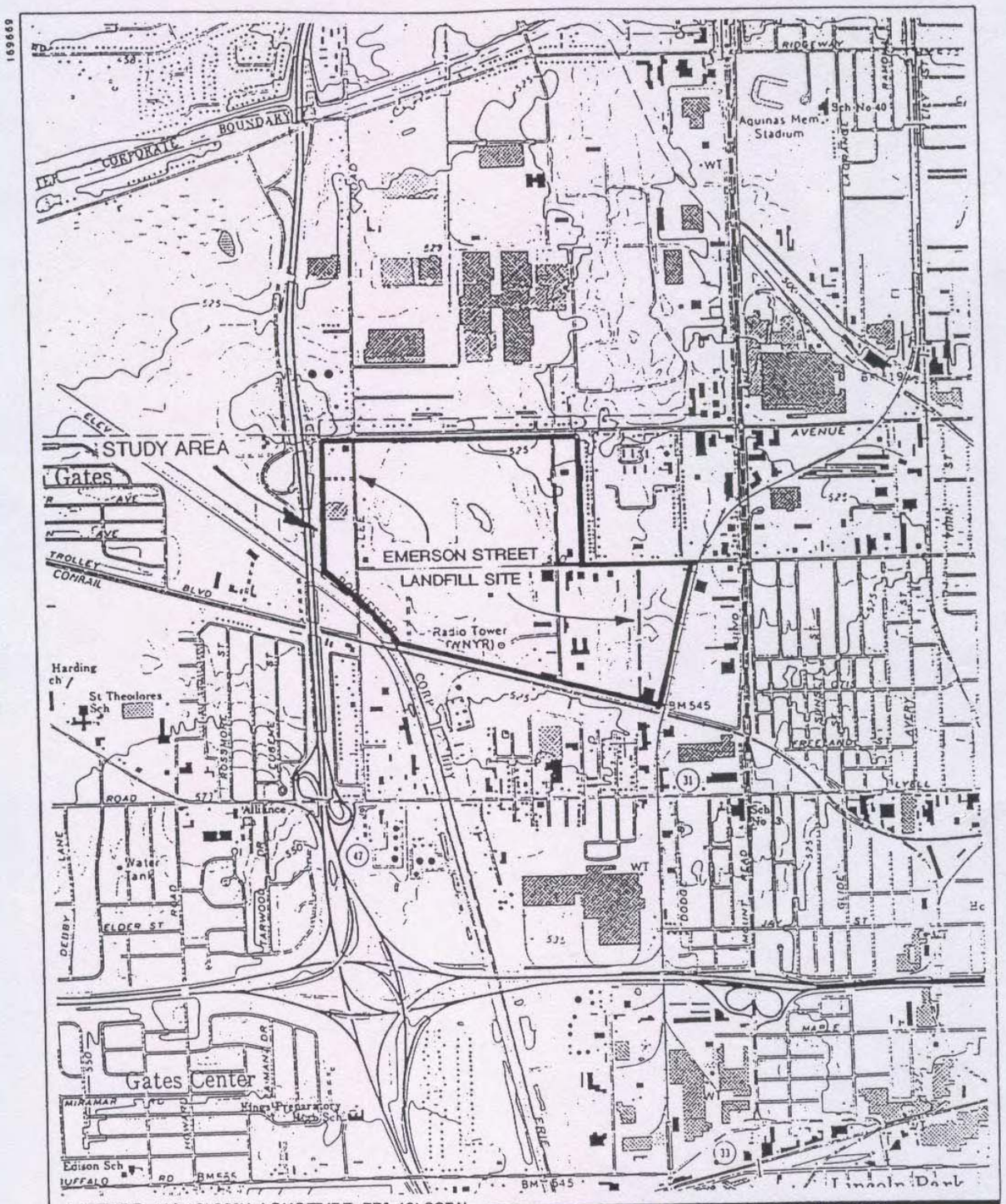


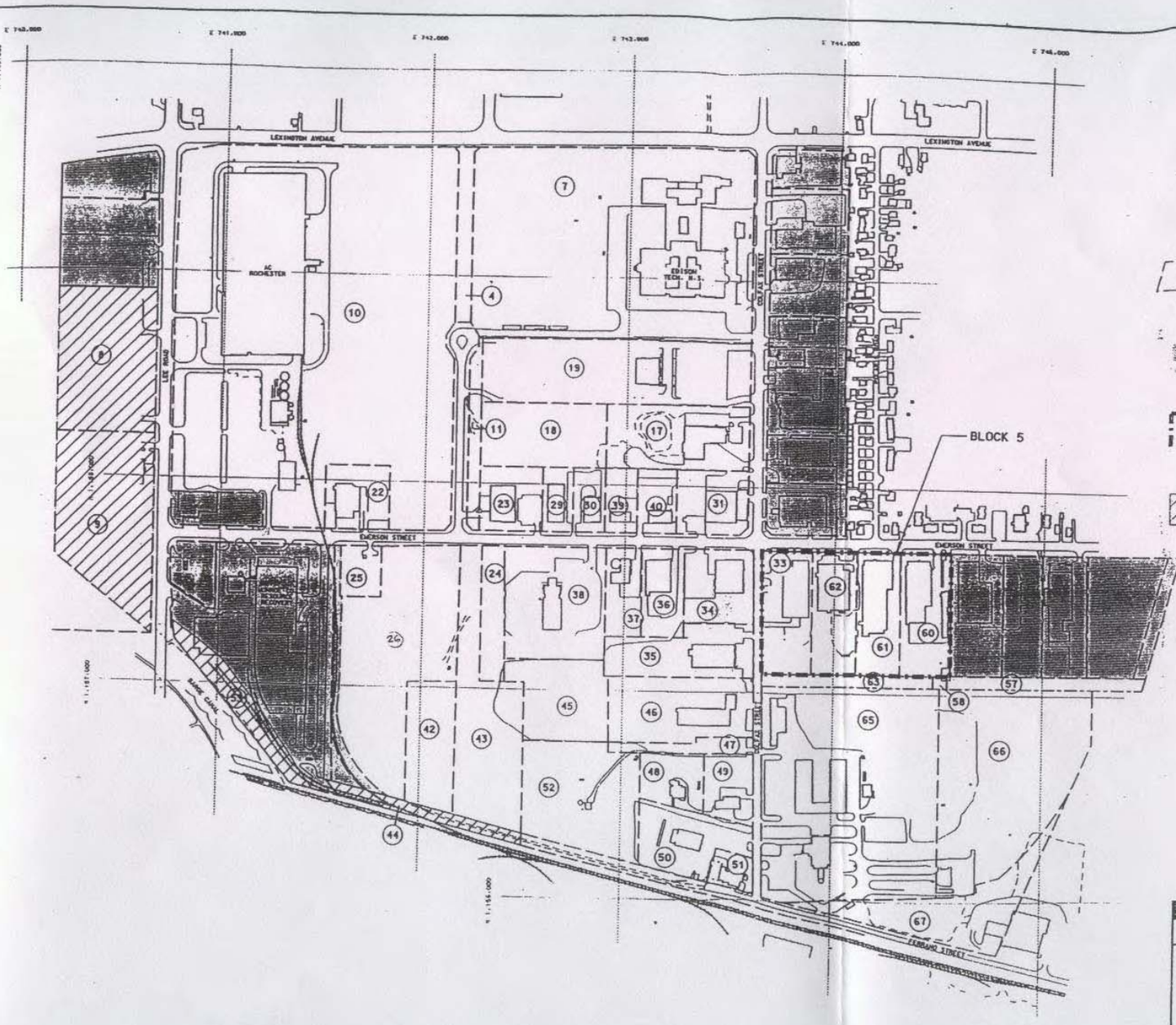
N

LEGEND:

COVER THICKNESS (OVER ASH)

- 0 – 1.0 FT.
- 1.0 – 2.0 FT.
- < 3.0 FT.
- > 3.0 FT.
- NO ASH OBSERVED – SOIL AND REFUSE BELOW (6 IN.) TOPSOIL
- ▲LG1 LANDFILL GAS SAMPLING LOCATION
- CURRENT MUNICIPAL SOLID WASTE LANDFILL AREA


STUDY AREA
EMERSON STREET
LANDFILL SITE
Gates
Gates Center
Aquinas Mem. Stadium
Radio Tower
(WNYR)
Harding ch
St Theolores Sch
Water Tank
Alliance
Kings Preparatory High Sch
Edison Sch
Lincoln Park
CORPORATE BOUNDARY
TROLLEY
CONRAIL
BLVD
AVENUE
ROAD
BM 545
LATITUDE: 43° 10' 30"N LONGITUDE: 77° 40' 30"W
NEW YORK
QUADRANGLE LOCATION
USGS QUADRANGLE: ROCHESTER WEST, N.Y.
H&A OF NEW YORK
Geotechnical Engineers & Environmental Consultants
FORMER EMERSON STREET LANDFILL
MODIFIED REMEDIAL INVESTIGATION
ROCHESTER, NEW YORK
PROJECT LOCUS
SCALE: 1 IN. = 2000 FT.
JANUARY 1994
FILE NO. 70352-47
MAKEPEACE



N

LEGEND:

PROPERTY/PARCEL NUMBER WITH APPROXIMATE BOUNDARIES. PARCEL NUMBERS WERE OBTAINED FROM DRAWING 1 ENTITLED "EMERSON STREET LANDFILL, CURRENT SITE USAGE" BY EDWARD O. WATTS AND ASSOCIATES, REVISED BY RECRA ENVIRONMENTAL INC. IN JANUARY 1989.

PROPERTIES SUCCESSFULLY DELISTED

PROPERTY BLOCK 5 BOUNDARY FROM APRIL 1993 DELISTING PETITION.

PROPERTIES OUTSIDE OF THE FILL BOUNDARIES ESTABLISHED BY THE FESL MODIFIED REMEDIAL INVESTIGATION

H & A OF NEW YORK

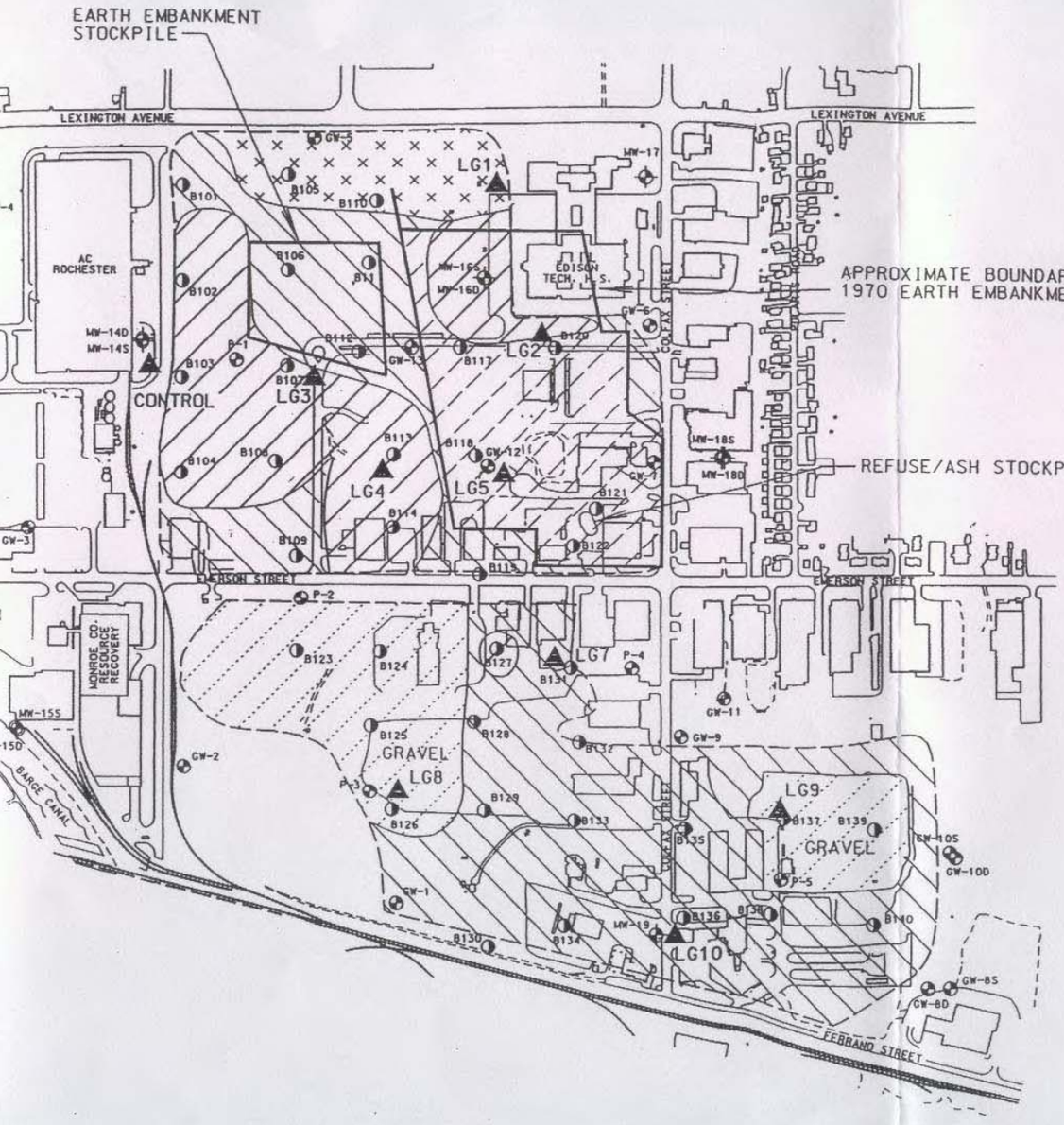
Geotechnical Engineers & Environmental Consultants

FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

PROPERTIES SUBJECT TO DELISTING

SCALE: 1"=500'

FEBRUARY 19



N

LEGEND:

COVER THICKNESS (OVER ASH)

- 0 - 1.0 FT.
- 1.0 - 2.0 FT.
- < 3.0 FT.
- > 3.0 FT.

NO ASH OBSERVED - SOIL AND REFUSE BELOW (6 IN.) TOPSOIL

▲LG1 LANDFILL GAS SAMPLING LOCATION

CURRENT MUNICIPAL SOLID WASTE LANDFILL AREA

H & A OF NEW YORK

Geotechnical Engineers & Environmental Consultants

FORMER EMERSON STREET LANDFILL
DELISTING PETITION
ROCHESTER, NEW YORK

GENERALIZED COVER THICKNESS AND LANDFILL GAS SAMPLING

SCALE: 1"=500'

FEBRUARY 1995

FILENAME: 70352-050:SAR004B.DGN

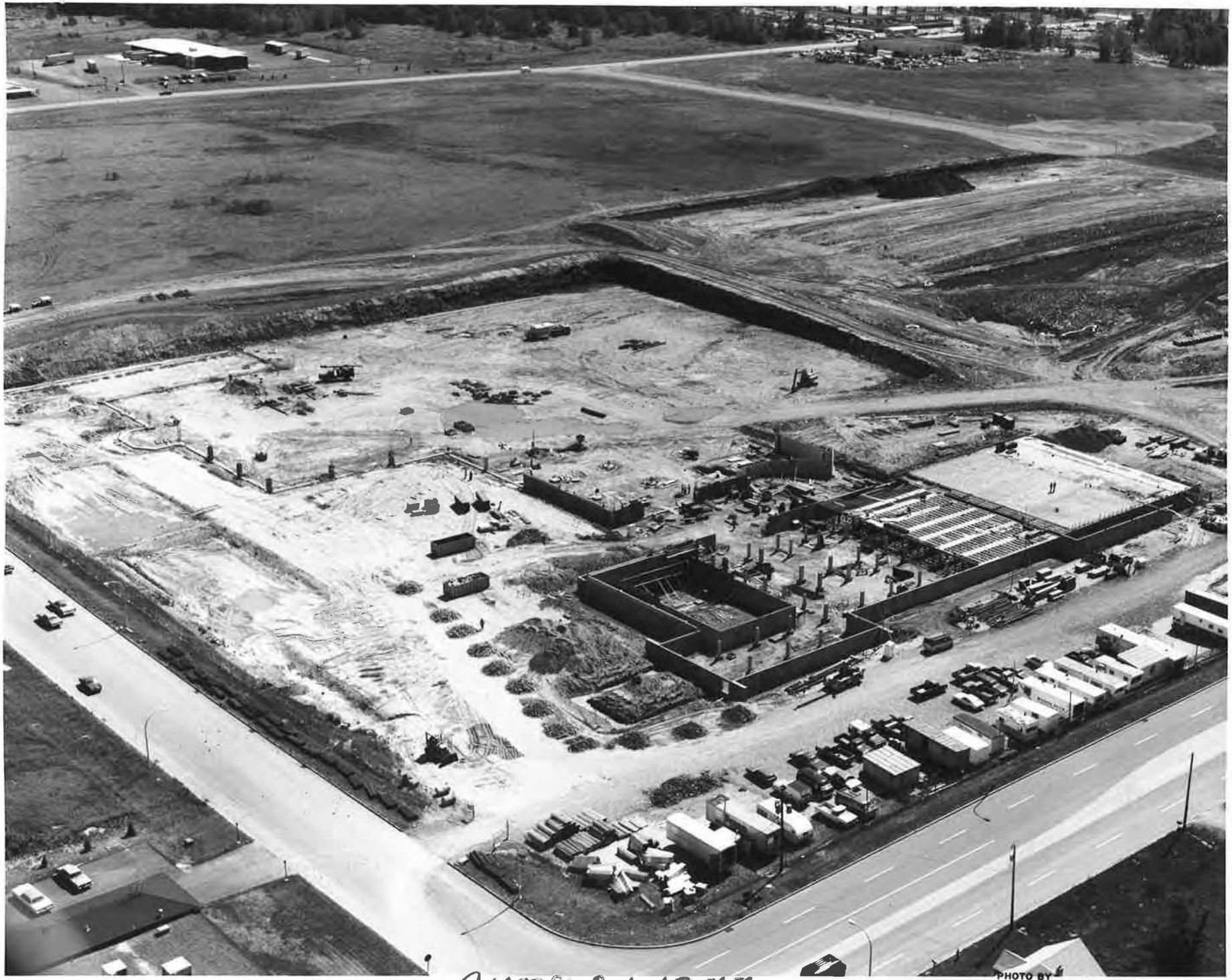
FIGURE 5

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 2

May 20, 1971

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.



June 21, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.

July 22, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.

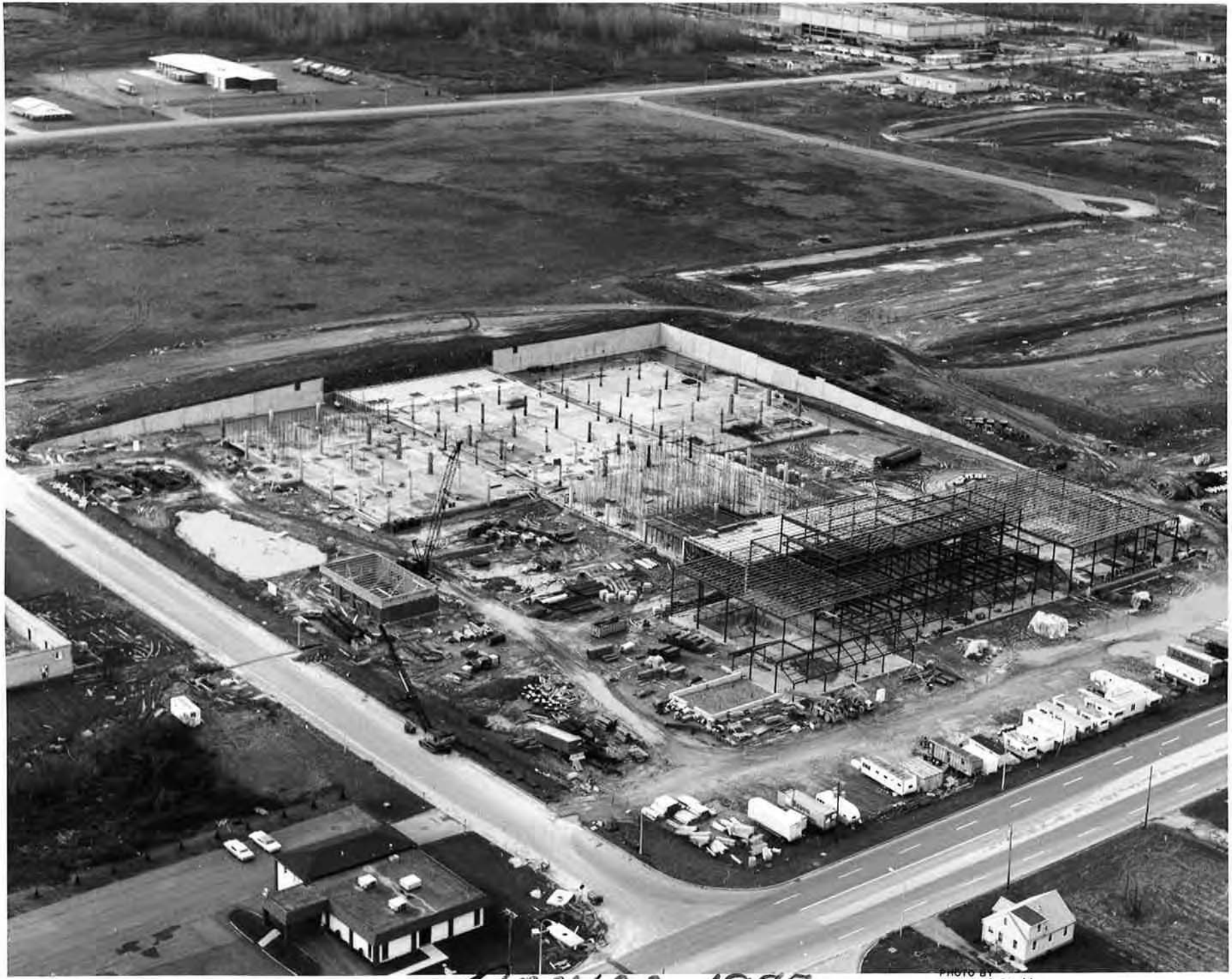
Aug 19, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.

Sept. 19, 1977

Oct. 18, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.



Nov. 22, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.

Dec. 16, 1977

PHOTO BY
Martin R. Wahl
PITTSFORD, N.Y.

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 3

Edison Tech High School
Rochester Joint Schools Construction Board
Rochester, New York
LaBella Project No. 212029

Summary of Soil Samples - PCBs
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Analyte	Sample ID										
	ET-SB-03 12/10/12 (Composite, 3.5 to 4.5-ft)	**ET-SB-07 12/10/12 (Composite, 0.5 to 4-ft)**	**ET-SB-13 12/11/12 (Composite, 0.5 to 4.5-ft)**	**ET-SB-15 12/11/12 (Composite, 0.5 to 11-ft)**	**ET-SB-16 12/11/12 (Composite, 1 to 7-ft)**	**ET-SB-19 12/11/12 (Composite, 4 to 9-ft)**	**ET-SB-21 12/12/12 (Composite, 0.5 to 1.5-ft)**	**ET-SB-24 12/12/12 (Composite, 0.5 to 5-ft)**	**ET-SB-25 12/12/12 (3-ft)**	**NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential Use**	**NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives**
Aroclor-1242	ND	**0.33**	ND	ND	ND	ND	ND	ND	ND	1	0.1
Aroclor-1254	ND	ND	ND	0.027	ND	ND	ND	ND	ND	1	0.1

Notes:

PCB analysis by United States Environmental Protection Agency (USEPA) Method SW846 8082.

ND - Indicates that the constituent was not detected above the laboratory method detection limit.

NA = Not Applicable or Not Available

Edison Tech High School
Rochester Joint Schools Construction Board
Rochester, New York
LaBella Project No. 212029
TCLP Soil Analysis
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Analyte	Sample ID		
	ET-SB-06 12/10/12 (Composite, 3 to 4.5-ft)	**ET-SB-17 12/11/12 (Composite, 1.5 to 4-ft)**	**ET-SB-22 12/12/12 (Composite, 4 to 8-ft)**
VOCs	**ND***		
SVOCs	**ND****		
Metals (mg/L)			
Arsenic	ND	ND	ND
Barium	0.8	0.28	0.72
Beryllium	ND	ND	ND
Cadmium	ND	ND	ND
Chromium	ND	ND	ND
Lead	ND	ND	ND
Selenium	ND	ND	ND
Silver	ND	ND	ND
Sodium	ND	ND	ND
Thallium	ND	ND	ND
Mercury	ND	ND	ND

Notes:

Metals Analysis by United States Environmental Protection Agency (USEPA) Method 6010B.

ND - Indicates that the constituent was not detected above the laboratory method detection limit.

*** - All of the volitile TCLP anlytes were below the laboratory detection limit for each sample.**

**** - All of the semi-volitile TCLP anlytes were below the laboratory detection limit for each sample.**

NA = Not Applicable or Not Available

Edison Tech High School
Rochester Joint Schools Construction Board
Rochester, New York
LaBella Project No. 212029

Summary of Soil Samples - Semi Volatile Organic Compounds (SVOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Analyte	Sample ID											
	ET-SB-03 12/10/12 (Composite, 3.5 to 4.5-ft)	**ET-SB-07 12/10/12 (Composite, 0.5 to 4-ft)**	**ET-SB-08 12/10/12 (Composite, 2 to 9-ft)**	**ET-SB-13 12/11/12 (Composite, 0.5 to 4.5-ft)**	**ET-SB-15 12/11/12 (Composite, 0.5 to 11-ft)**	**ET-SB-16 12/11/12 (Composite, 1 to 7-ft)**	**ET-SB-19 12/11/12 (Composite, 4 to 9-ft)**	**ET-SB-21 12/12/12 (Composite, 0.5 to 1.5-ft)**	**ET-SB-24 12/12/12 (Composite, 0.5 to 5-ft)**	**ET-SB-25 12/12/12 (3-ft)**	**NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential Use**	**NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives**
Naphthalene	ND	ND	5.5	ND	ND	ND	ND	ND	ND	ND	100	12
Acenaphthene	ND	ND	11	ND	ND	ND	ND	ND	ND	0.051	100	20
Fluorene	ND	ND	8	ND	ND	ND	ND	ND	ND	0.058	100	30
Phenanthrene	ND	ND	59	ND	0.08	0.32	ND	0.27	0.45	0.48	100	100
Anthracene	ND	ND	20	ND	ND	ND	ND	ND	ND	0.16	100	100
Fluoranthene	1	ND	76	0.42	0.075	0.43	0.056	0.48	0.72	0.5	100	100
Pyrene	0.81	ND	55	0.41	0.062	0.34	0.058	0.4	0.73	0.43	100	100
Benzo(a)anthracene	ND	ND	**42**	0.28	ND	0.2	0.041	0.34	ND	0.23	1	1
Chrysene	ND	ND	**39**	0.31	0.037	0.22	0.04	0.32	ND	0.22	3.9	1
Bis(2-ethylhexyl)phthalate	ND	ND	ND	ND	0.52	ND	ND	ND	ND	ND	NA	NA
Benzo(b)fluoranthene	ND	ND	**63**	0.53	0.038	0.23	0.067	0.53	0.56	0.31	1	1
Benzo(k)fluoranthene	ND	ND	**12**	ND	ND	ND	ND	ND	ND	0.067	3.9	0.8
Benzo(a)pyrene	ND	ND	**45**	0.36	ND	ND	0.059	0.42	0.42	0.23	1	1
Indeno(1,2,3-cd)pyrene	ND	ND	**13**	ND	ND	ND	ND	ND	ND	0.1	0.5	0.5
Dibenzo(a,h)anthracene	ND	ND	**5.9**	ND	ND	ND	ND	ND	ND	0.046	0.33	0.33
Benzo(g,h,i)perylene	ND	ND	13	ND	ND	ND	ND	ND	ND	0.11	100	100

Notes:

SVOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8270.

ND - Indicates that the constituent was not detected above the laboratory method detection limit.

NA = Not Applicable or Not Available

Edison Tech High School
Rochester Joint Schools Construction Board
Rochester, New York
LaBella Project No. 212029

Summary of Soil Samples - Volatile Organic Compounds (VOCs)
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Analyte	Sample ID																						NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential Use	NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives
	ET-SB-01 3.5 ft. 12/10/12	**ET-SB-02 5 ft. 12/10/12**	**ET-SB-03 4 ft. 12/10/12**	**ET-SB-04 7.5 ft. 12/10/12**	**ET-SB-05 4.5 ft. 12/10/12**	**ET-SB-06 8 ft. 12/10/12**	**ET-SB-07 6 ft. 12/10/12**	**ET-SB-08 4 ft. 12/10/12**	**ET-SB-09 9 ft. 12/10/12**	**ET-SB-10 4.5 ft. 12/11/12**	**ET-SB-11 11 ft. 12/11/12**	**ET-SB-12 8 ft. 12/11/12**	**ET-SB-13 6 ft. 12/11/12**	**ET-SB-14 4.5 ft. 12/11/12**	**ET-SB-15 9.5 ft. 12/11/12**	**ET-SB-16 5 ft. 12/11/12**	**ET-SB-17 1.5 ft. 12/11/12**	**ET-SB-18 4 ft. 12/11/12**	**ET-SB-19 6.5 ft. 12/11/12**	**ET-SB-20 2 ft. 12/12/12**	**ET-SB-21 8 ft. 12/12/12**	**ET-SB-22 4 ft. 12/12/12**	**ET-SB-24 8 ft. 12/12/12**		
Acetone	**0.064**	**0.24**	**0.14**	**0.3**	**0.18**	ND	0.085	**0.11**	ND	ND	**0.13**	ND	**0.088**	ND	**0.21**	**0.081**	ND	**0.1**	**0.16**	ND	**0.1**	**0.085**	**0.087**	100	0.05
Carbon disulfide	ND	0.0013	0.0022	0.0035	0.0012	ND	ND	0.0021	ND	ND	0.0013	0.0033	ND	ND	0.0035	0.0064	0.0034	ND	0.0015	ND	ND	ND	ND	NA	NA
2-Butanone	ND	0.067	0.039	0.096	0.042	ND	0.018	0.029	ND	ND	0.035	ND	0.024	0.012	0.059	0.023	ND	0.022	0.041	ND	0.027	0.022	0.024	NA	NA
cis-1,2-Dichloroethene	ND	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	0.25
Benzene	0.012	0.005	0.003	0.0039	0.002	0.0038	0.0018	0.0022	0.0045	0.0022	0.0016	0.0013	0.0016	0.0019	0.0018	0.0021	ND	0.0033	0.0029	0.002	0.0016	0.0013	0.0019	4.8	0.06
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0022	ND	ND	ND	ND	ND	ND	0.47	21
Toluene	0.006	0.0099	ND	0.0076	ND	0.0059	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0061	ND	ND	ND	ND	ND	0.7	100
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0014	ND	ND	ND	ND	ND	41	1
o-Xylene	0.0017	0.0036	ND	0.0027	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0012	ND	ND	ND	ND	ND	NA	NA
m&p-Xylenes	0.004	0.011	0.0044	0.0076	0.0031	0.0037	0.0023	0.0029	0.0031	0.0026	ND	ND	ND	0.0025	ND	0.0024	ND	0.0044	0.0033	ND	0.0023	ND	0.0033	NA	NA
1,3,5-Trimethylbenzene	ND	0.0029	ND	0.0023	0.0013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	52	8.4
tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	5.9
1,2,4-Trimethylbenzene	0.0014	0.0056	0.002	0.0041	0.0016	0.0012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0016	0.0013	ND	ND	ND	ND	52	3.6
Cyclohexane	0.0083	0.013	0.01	0.012	0.0086	0.009	0.0069	0.0037	0.0098	0.003	0.006	0.002	0.0054	0.0052	0.0047	0.0043	0.0017	0.011	0.0088	0.0064	0.0058	0.0037	0.0068	NA	NA
Methyl cyclohexane	0.014	0.022	0.016	0.022	0.014	0.014	0.01	0.013	0.014	0.009	0.0095	0.0079	0.0085	0.0085	0.0068	0.012	0.0022	0.018	0.014	0.01	0.0098	0.0061	0.011	NA	NA

Notes:

VOC analysis by United States Environmental Protection Agency (USEPA) Method SW846 8260.

Bold type indicates that the constituent was detected above NYSDEC CP-51 SCLs for Gasoline Contaminated Soils and NYCRR Part 375-6.8(a) Unrestricted Use SCOs

ND - Indicates that the constituent was not detected above the laboratory method detection limit.

NA = Not Applicable or Not Available

Edison Tech High School
Rochester Joint Schools Construction Board
Rochester, New York
LaBella Project No. 212029

Summary of Soil Samples - Metals
Results in Milligrams per Kilogram (mg/Kg) or Parts Per Million (PPM)

Analyte	Sample ID											
	ET-SB-03 12/10/12 (Composite, 3.5 to 4.5-ft)	**ET-SB-07 12/10/12 (Composite, 0.5 to 4-ft)**	**ET-SB-08 12/10/12 (Composite, 2 to 9-ft)**	**ET-SB-13 12/11/12 (Composite, 0.5 to 4.5-ft)**	**ET-SB-15 12/11/12 (Composite, 0.5 to 11-ft)**	**ET-SB-16 12/11/12 (Composite, 1 to 7-ft)**	**ET-SB-19 12/11/12 (Composite, 4 to 9-ft)**	**ET-SB-21 12/12/12 (Composite, 0.5 to 1.5-ft)**	**ET-SB-24 12/12/12 (Composite, 0.5 to 5-ft)**	**ET-SB-25 12/12/12 (3-ft)**	**NYCRR Part 375-6.8(b) Restricted Use Soil Cleanup Objectives: Protection of Public Health: Restricted Residential Use**	**NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives**
Arsenic	3.9	1.8	1.8	8700	1.4	3	0.3	3.1	2.6	2	16	13
Barium	68	55	32	100000	72	32	58	50	54	42	400	350
Chromium	12.000	11	7.6	13000	11	7.4	11	9.3	10	8.9	180	30
Lead	**120**	62	14	62000	29	22	15	21	26	16	400	63
Selenium	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	180	3.9
Mercury	0.64 J5	0.05	0.094	0.093	**2.3**	0.15	0.048	0.14	0.087	0.059	0.81	0.18

Notes:

Metal analysis by United States Environmental Protection Agency (USEPA) Method 6010B.

Bold type indicates that the constituent was detected above NYCRR Part 375-6.8(a) Unrestricted Use SCOs

ND - Indicates that the constituent was not detected above the laboratory method detection limit.

NA = Not Applicable or Not Available

J5 - The sample matrix interfered with the ability to make any accurate determination; spike value is high.

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 4

Department of **Environmental Services**
Monroe County, New York

Maggie Brooks
County Executive

John E. Graham, P.E.
Director

Short Term Permit Instructions

A short term Initial Sewer Use Permit is issued for discharges that will occur for six months or less. It is required when there is a possibility of contaminated groundwater at construction excavations. Please provide all requested information accurately. The Initial Sewer Use Permit is a legal document. Any name or address change will require a new Initial Sewer Use Permit. An officer of the company must sign the permit or designate someone else the responsibility by attachment letter with the permit package. The permit application refers to sections of the Sewer Use Law, which is available in the "Related Documents" section of this Web page.

1. The following information summarized in a letter to the Industrial Waste Control Office is required before considering a request for discharge:

a) Contractor or environmental representative name
b) Contact person name, phone number, pager number and fax number
c) Site name, address
d) Description of site work and history of commercial/industrial activity.
e) Former/current contents of underground storage tanks and/or material spilled and/or history of site contaminants.
f) Quantity of wastewater to be discharged and rate.
g) Method of treatment (if applicable)
h) Method to control solids discharge (if applicable)
i) Statement on status of compliance with New York State Standards for Erosion and Sediment Control and the New York State Stormwater Management Design Manual
j) Expected date of discharge
k) Project duration

2) The following additional information is required for groundwater contaminated with petroleum products:

a) Required testing includes, but is not limited to:
(i) Gasoline impacted water - method 602 or equivalent 40 CFR 136 method; and
Methyl Tertiary Butyl Ether (MTBE) - monitoring only. Limit not applicable at this time.
(ii) Diesel or Fuel Oil impacted water - method 610 or equivalent 40 CFR 136 method.
b) Required analytical testing of wastewater (Exhibit "C") shall be submitted to this office for review

prior to discharge.
c) The Monroe County limit for the summation of all purgeable halocarbons, aromatics, and polynuclear aromatic hydrocarbons (with a detection level greater than 10 ug/l) is 2.13 mg/l.
d) The applicant must identify a suitable sanitary sewer discharge point. Monroe County will confirm the discharge point in the City of Rochester and the Towns of Gates, Chili and Ogden. Should the applicant be working in a location NOT described above, it will be the applicant's responsibility to contact the applicable Town and/or Village for similar service. The Towns/Villages of Webster, Scottsville, Churchville, Honeoye Falls, and Spencerport are NOT part of the Monroe County Sewer System.
e) A maximum of 10 gpm discharge rate is permitted. Approval must be received from the appropriate agency (noted above) to exceed this rate.
f) Monroe County will conduct a field inspection of the site and issue a permit pending the completion and/or submission of all required information.

Pure Waters, under Section 57 of the Worker's Compensation Law and Section 220 – Subdivision 8 of the Disability Benefits Law is required to have on file proof that your company has workers compensation and disability benefits for your employees. A form from your insurance carrier stating such coverage will thus be required, before your permit can be processed.

A permit fee of $40.00 should be made payable to The Director of Finance, County of Monroe. The application, additional required information, form from your insurance carrier, and the check should be mailed to the following address:

Division of Pure Waters
Industrial Waste Control Section
444 East Henrietta Road, Bldg. 15
Rochester, New York 14620-4630

Please feel free to call the Industrial Waste Control Section at 760-7600, Option #4, with any questions.

INITIAL SEWER USE PERMIT

County of Monroe Pure Waters District No. _____ Permit No:_____

Expires: _____

Fee: $40.00

Firm Name _____

Address _____

_____

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Pure Waters Sewer system or Tributary thereto as applied for by an application dated_____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A._____

B._____

C._____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.

2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers listed in Exhibit "B". The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in Exhibit "B" or (2) new wastes that were not listed in Exhibit "B".

3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.

4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.

5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.

6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Signature _____ Date _____

Applicant's Name _____ Title _____

Emergency Contact _____ Phone _____

Permit Approved by_____ Date _____

Director of Pure Waters

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 5

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Report Summary

Friday December 28, 2012

Report Number: L611973
Samples Received: 12/17/12
Client Project: 210029

Description: Edison Tech.

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By: Alan Harvill

T. Alan Harvill , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.
Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

Case Narrative

Friday December 28, 2012

Report Number: L611973
Samples Received: 12/17/12
Client Project: 210029

Description: Edison Tech.

Other Comments

Samples were received at greater than 4 degrees C. Instructed by client to process as received. See Non-Conformance form scanned behind the COC for documentation of instruction.

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-01

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-01 3.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 16:45

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	83.9		%		2540G	12/20/12	1
Volatile Organics							
Acetone	64.	60.	ug/kg		8260B	12/20/12	1
Benzene	12.	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	6.0	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	6.0	ug/kg		8260B	12/20/12	1
Chloroform	BDL	6.0	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	3.0	ug/kg		8260B	12/20/12	1
Cyclohexane	8.3	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	6.0	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	6.0	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	24.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	14.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	6.0	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-01

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-01 3.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 16:45

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	6.1	6.0	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	6.0	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	1.7	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	4.0	2.4	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	1.4	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	96.1		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	114.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	62.3		% Rec.	J2	8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-02

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-02 5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 17:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.1		%		2540G	12/20/12	1
Volatile Organics							
Acetone	240	56.	ug/kg		8260B	12/20/12	1
Benzene	5.0	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	1.3	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	13.	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	1.2	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	67.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	22.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-02

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-02 5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 17:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	9.9	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	3.6	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	11.	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	5.6	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	2.9	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	97.4		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	117.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	81.9		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-03

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-03 4FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	80.3		%		2540G	12/20/12	1
Volatile Organics							
Acetone	140	62.	ug/kg		8260B	12/20/12	1
Benzene	3.0	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	6.2	ug/kg		8260B	12/20/12	1
Carbon disulfide	2.2	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	6.2	ug/kg		8260B	12/20/12	1
Chloroform	BDL	6.2	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	3.1	ug/kg		8260B	12/20/12	1
Cyclohexane	10.	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	6.2	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	6.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	39.	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	25.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	16.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	6.2	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-03

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-03 4FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	6.2	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	6.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	4.4	2.5	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	2.0	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.1		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	118.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	91.6		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-04

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-04 7.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 19:08

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	82.3		%		2540G	12/20/12	1
Volatile Organics							
Acetone	300	61.	ug/kg	J6	8260B	12/20/12	1
Benzene	3.9	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	6.1	ug/kg		8260B	12/20/12	1
Carbon disulfide	3.5	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	6.1	ug/kg		8260B	12/20/12	1
Chloroform	BDL	6.1	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	3.0	ug/kg		8260B	12/20/12	1
Cyclohexane	12.	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	6.1	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	6.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	96.	12.	ug/kg	J6	8260B	12/20/12	1
Methyl Acetate	BDL	24.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	22.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	6.1	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-04

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-04 7.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 19:08

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	7.6	6.1	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	6.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	2.7	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	7.6	2.4	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	4.1	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	2.3	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.0		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	116.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	85.9		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-05

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-05 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 20:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	93.5		%		2540G	12/20/12	1
Volatile Organics							
Acetone	180	53.	ug/kg		8260B	12/20/12	1
Benzene	2.0	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.3	ug/kg		8260B	12/20/12	1
Carbon disulfide	1.2	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.3	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.3	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.7	ug/kg		8260B	12/20/12	1
Cyclohexane	8.6	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.3	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.3	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	42.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	21.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	14.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.3	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-05

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-05 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 20:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.3	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.3	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	3.1	2.1	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	1.6	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	1.3	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	100.		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	119.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	96.8		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-06

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-06 8FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 20:57

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.5		%		2540G	12/20/12	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260B	12/20/12	1
Benzene	3.8	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	9.0	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	14.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-06

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-06 8FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 20:57

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	5.9	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	3.7	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	1.2	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.6		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	114.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	97.5		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-07

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-07 6FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 21:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	85.6		%		2540G	12/20/12	1
Volatile Organics							
Acetone	85.	58.	ug/kg		8260B	12/20/12	1
Benzene	1.8	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	6.9	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	18.	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	10.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.8	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-07

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-07 6FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 21:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.3	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.9		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	110.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	97.3		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-08

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-08 4FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 22:37

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.2		%		2540G	12/20/12	1
Volatile Organics							
Acetone	110	56.	ug/kg		8260B	12/20/12	1
Benzene	2.2	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	2.1	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	3.7	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	29.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	13.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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1-800-767-5859
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-08

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-08 4FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 22:37

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.9	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.7		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	116.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	96.9		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-09

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-09 9FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 23:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	84.8		%		2540G	12/20/12	1
Volatile Organics							
Acetone	BDL	59.	ug/kg		8260B	12/20/12	1
Benzene	4.5	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.9	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.9	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.9	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	9.8	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.9	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.9	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	24.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	14.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.9	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-09

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-09 9FT

Project # : 210029

Collected By :
Collection Date : 12/10/12 23:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.9	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.9	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	3.1	2.4	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.9		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	111.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	97.0		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-10

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-10 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 16:10

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.8		%		2540G	12/20/12	1
Volatile Organics							
Acetone	BDL	58.	ug/kg		8260B	12/20/12	1
Benzene	2.2	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	3.0	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	9.0	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.8	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-10

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-10 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 16:10

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.6	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.1		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	116.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	98.1		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-11

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-11 11FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 17:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.4		%		2540G	12/20/12	1
Volatile Organics							
Acetone	130	58.	ug/kg		8260B	12/20/12	1
Benzene	1.6	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Carbon disulfide	1.3	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	6.0	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	35.	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	9.5	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.8	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-11

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-11 11FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 17:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.9		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	118.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	94.5		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-12

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-12 8FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 17:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.8		%		2540G	12/20/12	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260B	12/20/12	1
Benzene	1.3	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	3.3	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	2.0	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	7.9	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-12

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-12 8FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 17:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.3		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	113.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	97.4		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-13

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-13 6FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 18:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.0		%		2540G	12/21/12	1
Volatile Organics							
Acetone	88.	57.	ug/kg		8260B	12/20/12	1
Benzene	1.6	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	5.4	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	24.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	8.5	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.7	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-13

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-13 6FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 18:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.6		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	114.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	95.6		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-14

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-14 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 19:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.9		%		2540G	12/21/12	1
Volatile Organics							
Acetone	BDL	56.	ug/kg		8260B	12/20/12	1
Benzene	1.9	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	5.2	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	12.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	8.5	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-14

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-14 4.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 19:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.5	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	100.		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	111.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	95.7		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-15

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-15 9.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 20:15

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	79.3		%		2540G	12/21/12	1
Volatile Organics							
Acetone	210	63.	ug/kg		8260B	12/20/12	1
Benzene	1.8	1.3	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.3	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	6.3	ug/kg		8260B	12/20/12	1
Carbon disulfide	3.5	1.3	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.3	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	6.3	ug/kg		8260B	12/20/12	1
Chloroform	BDL	6.3	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	3.2	ug/kg		8260B	12/20/12	1
Cyclohexane	4.7	1.3	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	6.3	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	6.3	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.3	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.3	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.3	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.3	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.3	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	13.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	13.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	59.	13.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	25.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	6.8	1.3	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	6.3	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	13.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.3	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.3	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-15

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-15 9.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 20:15

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.3	ug/kg		8260B	12/20/12	1
Toluene	BDL	6.3	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.3	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	6.3	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.3	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.3	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.3	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.5	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.3	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.3	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.9		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	115.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	91.8		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-16

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-16 5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.1		%		2540G	12/21/12	1
Volatile Organics							
Acetone	81.	58.	ug/kg		8260B	12/20/12	1
Benzene	2.1	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Carbon disulfide	6.4	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	4.3	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	23.	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	12.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.8	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Note:
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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-16

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-16 5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.4	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.1		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	119.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	94.6		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-17

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-17 1.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.6		%		2540G	12/21/12	1
Volatile Organics							
Acetone	BDL	57.	ug/kg		8260B	12/20/12	1
Benzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Carbon disulfide	3.4	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	1.7	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	2.2	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.7	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-17

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-17 1.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:40

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	2.2	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.1		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	114.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	93.8		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-18

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-18 4FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 22:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	90.4		%		2540G	12/21/12	1
Volatile Organics							
Acetone	100	55.	ug/kg		8260B	12/20/12	1
Benzene	3.3	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.5	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.5	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.5	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	11.	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.5	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.5	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	1.4	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	22.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	18.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.5	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-18

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-18 4FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 22:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	6.1	5.5	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.5	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	1.2	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	4.4	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	1.6	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	99.3		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	116.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	95.9		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-19

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-19 6.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 23:25

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.1		%		2540G	12/21/12	1
Volatile Organics							
Acetone	160	57.	ug/kg		8260B	12/20/12	1
Benzene	2.9	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Carbon disulfide	1.5	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	8.8	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	41.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	14.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.7	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-19

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-19 6.5FT

Project # : 210029

Collected By :
Collection Date : 12/11/12 23:25

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	3.3	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	1.3	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.7		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	114.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	94.5		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-20

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-20 2FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:35

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.4		%		2540G	12/21/12	1
Volatile Organics							
Acetone	BDL	57.	ug/kg		8260B	12/20/12	1
Benzene	2.0	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.7	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	6.4	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	10.	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.7	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-20

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-20 2FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:35

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.7	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.7	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	BDL	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	98.2		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	117.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	93.0		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-21

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-21 8FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.4		%		2540G	12/21/12	1
Volatile Organics							
Acetone	100	56.	ug/kg		8260B	12/20/12	1
Benzene	1.6	1.1	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.1	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.1	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.6	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.8	ug/kg		8260B	12/20/12	1
Cyclohexane	5.8	1.1	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.1	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.1	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	11.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	11.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	27.	11.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	22.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	9.8	1.1	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.6	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	11.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.1	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.1	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-21

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-21 8FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.6	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.1	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.6	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.1	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.1	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.1	ug/kg		8260B	12/20/12	1
m&p-Xylenes	2.3	2.2	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.1	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.1	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	102.		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	104.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	98.7		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-22

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-22 4FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 17:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	84.6		%		2540G	12/21/12	1
Volatile Organics							
Acetone	85.	59.	ug/kg		8260B	12/21/12	1
Benzene	1.3	1.2	ug/kg		8260B	12/21/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/21/12	1
Bromomethane	BDL	5.9	ug/kg		8260B	12/21/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/21/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/21/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Chloroethane	BDL	5.9	ug/kg		8260B	12/21/12	1
Chloroform	BDL	5.9	ug/kg		8260B	12/21/12	1
Chloromethane	BDL	3.0	ug/kg		8260B	12/21/12	1
Cyclohexane	3.7	1.2	ug/kg		8260B	12/21/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.9	ug/kg		8260B	12/21/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Dichlorodifluoromethane	BDL	5.9	ug/kg		8260B	12/21/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/21/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/21/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/21/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/21/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/21/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/21/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/21/12	1
2-Butanone (MEK)	22.	12.	ug/kg		8260B	12/21/12	1
Methyl Acetate	BDL	24.	ug/kg		8260B	12/21/12	1
Methyl Cyclohexane	6.1	1.2	ug/kg		8260B	12/21/12	1
Methylene Chloride	BDL	5.9	ug/kg		8260B	12/21/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/21/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/21/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Fax (615) 758-5859

Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-22

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-22 4FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 17:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/21/12	1
Toluene	BDL	5.9	ug/kg		8260B	12/21/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/21/12	1
Trichlorofluoromethane	BDL	5.9	ug/kg		8260B	12/21/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/21/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/21/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/21/12	1
m&p-Xylenes	BDL	2.4	ug/kg		8260B	12/21/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/21/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/21/12	1
Surrogate Recovery							
Toluene-d8	102.		% Rec.		8260B	12/21/12	1
Dibromofluoromethane	104.		% Rec.		8260B	12/21/12	1
4-Bromofluorobenzene	95.7		% Rec.		8260B	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

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300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-23

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-24 8FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	85.4		%		2540G	12/21/12	1
Volatile Organics							
Acetone	87.	58.	ug/kg		8260B	12/20/12	1
Benzene	1.9	1.2	ug/kg		8260B	12/20/12	1
Bromochloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromodichloromethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromoform	BDL	1.2	ug/kg		8260B	12/20/12	1
Bromomethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Carbon disulfide	BDL	1.2	ug/kg		8260B	12/20/12	1
Carbon tetrachloride	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Chlorodibromomethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Chloroethane	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloroform	BDL	5.8	ug/kg		8260B	12/20/12	1
Chloromethane	BDL	2.9	ug/kg		8260B	12/20/12	1
Cyclohexane	6.8	1.2	ug/kg		8260B	12/20/12	1
1,2-Dibromo-3-Chloropropane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2-Dibromoethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Dichlorodifluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,4-Dichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,2-Dichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2-Dichloropropane	BDL	1.2	ug/kg		8260B	12/20/12	1
cis-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
trans-1,3-Dichloropropene	BDL	1.2	ug/kg		8260B	12/20/12	1
Ethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
2-Hexanone	BDL	12.	ug/kg		8260B	12/20/12	1
Isopropylbenzene	BDL	12.	ug/kg		8260B	12/20/12	1
2-Butanone (MEK)	24.	12.	ug/kg		8260B	12/20/12	1
Methyl Acetate	BDL	23.	ug/kg		8260B	12/20/12	1
Methyl Cyclohexane	11.	1.2	ug/kg		8260B	12/20/12	1
Methylene Chloride	BDL	5.8	ug/kg		8260B	12/20/12	1
4-Methyl-2-pentanone (MIBK)	BDL	12.	ug/kg		8260B	12/20/12	1
Methyl tert-butyl ether	BDL	1.2	ug/kg		8260B	12/20/12	1
Styrene	BDL	1.2	ug/kg		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-23

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-24 8FT

Project # : 210029

Collected By :
Collection Date : 12/12/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
1,1,2,2-Tetrachloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Tetrachloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Toluene	BDL	5.8	ug/kg		8260B	12/20/12	1
1,2,3-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trichlorobenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,1-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
1,1,2-Trichloroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichloroethene	BDL	1.2	ug/kg		8260B	12/20/12	1
Trichlorofluoromethane	BDL	5.8	ug/kg		8260B	12/20/12	1
1,1,2-Trichlorotrifluoroethane	BDL	1.2	ug/kg		8260B	12/20/12	1
Vinyl chloride	BDL	1.2	ug/kg		8260B	12/20/12	1
o-Xylene	BDL	1.2	ug/kg		8260B	12/20/12	1
m&p-Xylenes	3.3	2.3	ug/kg		8260B	12/20/12	1
n-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
sec-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
tert-Butylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
p-Isopropyltoluene	BDL	1.2	ug/kg		8260B	12/20/12	1
n-Propylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,2,4-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
1,3,5-Trimethylbenzene	BDL	1.2	ug/kg		8260B	12/20/12	1
Surrogate Recovery							
Toluene-d8	101.		% Rec.		8260B	12/20/12	1
Dibromofluoromethane	105.		% Rec.		8260B	12/20/12	1
4-Bromofluorobenzene	93.8		% Rec.		8260B	12/20/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-24

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-03

Project # : 210029

Collected By :
Collection Date : 12/10/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	81.8		%		2540G	12/21/12	1
Mercury	640	120	ug/kg	J5	7471	12/20/12	5
Arsenic	3900	1200	ug/kg		6010B	12/20/12	1
Barium	68000	300	ug/kg		6010B	12/20/12	1
Cadmium	BDL	300	ug/kg		6010B	12/20/12	1
Chromium	12000	610	ug/kg		6010B	12/20/12	1
Lead	120000	300	ug/kg		6010B	12/20/12	1
Selenium	BDL	1200	ug/kg		6010B	12/20/12	1
Silver	BDL	610	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	240	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	24.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	24.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	24.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	24.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	24.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	24.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	24.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	24.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	490	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	21.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	21.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	21.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	21.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	21.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	21.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	21.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-24 (SV8270TCL) - Dilution due to matrix

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-24

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-03

Project # : 210029

Collected By :
Collection Date : 12/10/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	89.0		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	81.3		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	810	ug/kg		8270C	12/21/12	20
Acenaphthylene	BDL	810	ug/kg		8270C	12/21/12	20
Acetophenone	BDL	8100	ug/kg		8270C	12/21/12	20
Anthracene	BDL	810	ug/kg		8270C	12/21/12	20
Atrazine	BDL	8100	ug/kg		8270C	12/21/12	20
Benzaldehyde	BDL	8100	ug/kg		8270C	12/21/12	20
Benzo(a)anthracene	BDL	810	ug/kg		8270C	12/21/12	20
Benzo(b)fluoranthene	BDL	810	ug/kg		8270C	12/21/12	20
Benzo(k)fluoranthene	BDL	810	ug/kg		8270C	12/21/12	20
Benzo(g,h,i)perylene	BDL	810	ug/kg		8270C	12/21/12	20
Benzo(a)pyrene	BDL	810	ug/kg		8270C	12/21/12	20
Biphenyl	BDL	8100	ug/kg		8270C	12/21/12	20
Bis(2-chlorethoxy)methane	BDL	8100	ug/kg		8270C	12/21/12	20
Bis(2-chloroethyl)ether	BDL	8100	ug/kg		8270C	12/21/12	20
Bis(2-chloroisopropyl)ether	BDL	8100	ug/kg		8270C	12/21/12	20
4-Bromophenyl-phenylether	BDL	8100	ug/kg		8270C	12/21/12	20
Caprolactam	BDL	8100	ug/kg		8270C	12/21/12	20
Carbazole	BDL	8100	ug/kg		8270C	12/21/12	20
4-Chloroaniline	BDL	8100	ug/kg		8270C	12/21/12	20
2-Chloronaphthalene	BDL	810	ug/kg		8270C	12/21/12	20
4-Chlorophenyl-phenylether	BDL	8100	ug/kg		8270C	12/21/12	20
Chrysene	BDL	810	ug/kg		8270C	12/21/12	20
Dibenz(a,h)anthracene	BDL	810	ug/kg		8270C	12/21/12	20
Dibenzofuran	BDL	8100	ug/kg		8270C	12/21/12	20
3,3-Dichlorobenzidine	BDL	8100	ug/kg		8270C	12/21/12	20
2,4-Dinitrotoluene	BDL	8100	ug/kg		8270C	12/21/12	20
2,6-Dinitrotoluene	BDL	8100	ug/kg		8270C	12/21/12	20
Fluoranthene	1000	810	ug/kg		8270C	12/21/12	20
Fluorene	BDL	810	ug/kg		8270C	12/21/12	20
Hexachlorobenzene	BDL	8100	ug/kg		8270C	12/21/12	20
Hexachloro-1,3-butadiene	BDL	8100	ug/kg		8270C	12/21/12	20
Hexachlorocyclopentadiene	BDL	8100	ug/kg		8270C	12/21/12	20
Hexachloroethane	BDL	8100	ug/kg		8270C	12/21/12	20
Indeno(1,2,3-cd)pyrene	BDL	810	ug/kg		8270C	12/21/12	20
Isophorone	BDL	8100	ug/kg		8270C	12/21/12	20
2-Methylnaphthalene	BDL	810	ug/kg		8270C	12/21/12	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Note:
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L611973-24 (SV8270TCL) - Dilution due to matrix

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-24

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-03

Project # : 210029

Collected By :
Collection Date : 12/10/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	810	ug/kg		8270C	12/21/12	20
2-Nitroaniline	BDL	8100	ug/kg		8270C	12/21/12	20
3-Nitroaniline	BDL	8100	ug/kg		8270C	12/21/12	20
4-Nitroaniline	BDL	8100	ug/kg		8270C	12/21/12	20
Nitrobenzene	BDL	8100	ug/kg		8270C	12/21/12	20
n-Nitrosodiphenylamine	BDL	8100	ug/kg		8270C	12/21/12	20
n-Nitrosodi-n-propylamine	BDL	8100	ug/kg		8270C	12/21/12	20
Phenanthrene	BDL	810	ug/kg		8270C	12/21/12	20
Benzylbutyl phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Bis(2-ethylhexyl)phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Di-n-butyl phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Diethyl phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Dimethyl phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Di-n-octyl phthalate	BDL	8100	ug/kg		8270C	12/21/12	20
Pyrene	810	810	ug/kg		8270C	12/21/12	20
1,2,4,5-Tetrachlorobenzene	BDL	8100	ug/kg		8270C	12/21/12	20
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	8100	ug/kg		8270C	12/21/12	20
2-Chlorophenol	BDL	8100	ug/kg		8270C	12/21/12	20
2-Methylphenol	BDL	8100	ug/kg		8270C	12/21/12	20
3&4-Methyl Phenol	BDL	8100	ug/kg		8270C	12/21/12	20
2,4-Dichlorophenol	BDL	8100	ug/kg		8270C	12/21/12	20
2,4-Dimethylphenol	BDL	8100	ug/kg		8270C	12/21/12	20
4,6-Dinitro-2-methylphenol	BDL	8100	ug/kg		8270C	12/21/12	20
2,4-Dinitrophenol	BDL	8100	ug/kg		8270C	12/21/12	20
2-Nitrophenol	BDL	8100	ug/kg		8270C	12/21/12	20
4-Nitrophenol	BDL	8100	ug/kg		8270C	12/21/12	20
Pentachlorophenol	BDL	8100	ug/kg		8270C	12/21/12	20
Phenol	BDL	8100	ug/kg		8270C	12/21/12	20
2,4,5-Trichlorophenol	BDL	8100	ug/kg		8270C	12/21/12	20
2,4,6-Trichlorophenol	BDL	8100	ug/kg		8270C	12/21/12	20
Surrogate Recovery							
Nitrobenzene-d5	82.7		% Rec.	J7	8270C	12/21/12	20
2-Fluorobiphenyl	79.7		% Rec.	J7	8270C	12/21/12	20
p-Terphenyl-d14	70.7		% Rec.	J7	8270C	12/21/12	20
Phenol-d5	83.8		% Rec.	J7	8270C	12/21/12	20
2-Fluorophenol	81.7		% Rec.	J7	8270C	12/21/12	20
2,4,6-Tribromophenol	69.9		% Rec.	J7	8270C	12/21/12	20

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-24 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-25

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-07

Project # : 210029

Collected By :
Collection Date : 12/10/12 21:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.6		%		2540G	12/21/12	1
Mercury	50.	23.	ug/kg		7471	12/20/12	1
Arsenic	1800	1200	ug/kg		6010B	12/20/12	1
Barium	55000	290	ug/kg		6010B	12/20/12	1
Cadmium	BDL	290	ug/kg		6010B	12/20/12	1
Chromium	11000	580	ug/kg		6010B	12/20/12	1
Lead	62000	290	ug/kg		6010B	12/20/12	1
Selenium	BDL	1200	ug/kg		6010B	12/20/12	1
Silver	BDL	580	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	230	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	23.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	23.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	23.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	460	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1242	330	20.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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REPORT OF ANALYSIS

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300 State Street, Suite 201
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December 28,2012

ESC Sample # : L611973-25

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-07

Project # : 210029

Collected By :
Collection Date : 12/10/12 21:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	83.8		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	81.6		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	190	ug/kg	O	8270C	12/21/12	5
Acenaphthylene	BDL	190	ug/kg	O	8270C	12/21/12	5
Acetophenone	BDL	1900	ug/kg	O	8270C	12/21/12	5
Anthracene	BDL	190	ug/kg	O	8270C	12/21/12	5
Atrazine	BDL	1900	ug/kg	O	8270C	12/21/12	5
Benzaldehyde	BDL	1900	ug/kg	O	8270C	12/21/12	5
Benzo(a)anthracene	BDL	190	ug/kg	O	8270C	12/21/12	5
Benzo(b)fluoranthene	BDL	190	ug/kg	O	8270C	12/21/12	5
Benzo(k)fluoranthene	BDL	190	ug/kg	O	8270C	12/21/12	5
Benzo(g,h,i)perylene	BDL	190	ug/kg	O	8270C	12/21/12	5
Benzo(a)pyrene	BDL	190	ug/kg	O	8270C	12/21/12	5
Biphenyl	BDL	1900	ug/kg	O	8270C	12/21/12	5
Bis(2-chlorethoxy)methane	BDL	1900	ug/kg	O	8270C	12/21/12	5
Bis(2-chloroethyl)ether	BDL	1900	ug/kg	O	8270C	12/21/12	5
Bis(2-chloroisopropyl)ether	BDL	1900	ug/kg	O	8270C	12/21/12	5
4-Bromophenyl-phenylether	BDL	1900	ug/kg	O	8270C	12/21/12	5
Caprolactam	BDL	1900	ug/kg	O	8270C	12/21/12	5
Carbazole	BDL	1900	ug/kg	O	8270C	12/21/12	5
4-Chloroaniline	BDL	1900	ug/kg	O	8270C	12/21/12	5
2-Chloronaphthalene	BDL	190	ug/kg	O	8270C	12/21/12	5
4-Chlorophenyl-phenylether	BDL	1900	ug/kg	O	8270C	12/21/12	5
Chrysene	BDL	190	ug/kg	O	8270C	12/21/12	5
Dibenz(a,h)anthracene	BDL	190	ug/kg	O	8270C	12/21/12	5
Dibenzofuran	BDL	1900	ug/kg	O	8270C	12/21/12	5
3,3-Dichlorobenzidine	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4-Dinitrotoluene	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,6-Dinitrotoluene	BDL	1900	ug/kg	O	8270C	12/21/12	5
Fluoranthene	BDL	190	ug/kg	O	8270C	12/21/12	5
Fluorene	BDL	190	ug/kg	O	8270C	12/21/12	5
Hexachlorobenzene	BDL	1900	ug/kg	O	8270C	12/21/12	5
Hexachloro-1,3-butadiene	BDL	1900	ug/kg	O	8270C	12/21/12	5
Hexachlorocyclopentadiene	BDL	1900	ug/kg	O	8270C	12/21/12	5
Hexachloroethane	BDL	1900	ug/kg	O	8270C	12/21/12	5
Indeno(1,2,3-cd)pyrene	BDL	190	ug/kg	O	8270C	12/21/12	5
Isophorone	BDL	1900	ug/kg	O	8270C	12/21/12	5
2-Methylnaphthalene	BDL	190	ug/kg	O	8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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December 28,2012

ESC Sample # : L611973-25

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-07

Project # : 210029

Collected By :
Collection Date : 12/10/12 21:48

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	190	ug/kg	O	8270C	12/21/12	5
2-Nitroaniline	BDL	1900	ug/kg	O	8270C	12/21/12	5
3-Nitroaniline	BDL	1900	ug/kg	O	8270C	12/21/12	5
4-Nitroaniline	BDL	1900	ug/kg	O	8270C	12/21/12	5
Nitrobenzene	BDL	1900	ug/kg	O	8270C	12/21/12	5
n-Nitrosodiphenylamine	BDL	1900	ug/kg	O	8270C	12/21/12	5
n-Nitrosodi-n-propylamine	BDL	1900	ug/kg	O	8270C	12/21/12	5
Phenanthrene	BDL	190	ug/kg	O	8270C	12/21/12	5
Benzylbutyl phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Bis(2-ethylhexyl)phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Di-n-butyl phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Diethyl phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Dimethyl phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Di-n-octyl phthalate	BDL	1900	ug/kg	O	8270C	12/21/12	5
Pyrene	BDL	190	ug/kg	O	8270C	12/21/12	5
1,2,4,5-Tetrachlorobenzene	BDL	1900	ug/kg	O	8270C	12/21/12	5
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2-Chlorophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2-Methylphenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
3&4-Methyl Phenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4-Dichlorophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4-Dimethylphenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
4,6-Dinitro-2-methylphenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4-Dinitrophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2-Nitrophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
4-Nitrophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
Pentachlorophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
Phenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4,5-Trichlorophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
2,4,6-Trichlorophenol	BDL	1900	ug/kg	O	8270C	12/21/12	5
Surrogate Recovery							
Nitrobenzene-d5	95.1		% Rec.		8270C	12/21/12	5
2-Fluorobiphenyl	87.5		% Rec.		8270C	12/21/12	5
p-Terphenyl-d14	76.3		% Rec.		8270C	12/21/12	5
Phenol-d5	91.7		% Rec.		8270C	12/21/12	5
2-Fluorophenol	90.4		% Rec.		8270C	12/21/12	5
2,4,6-Tribromophenol	95.3		% Rec.		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
The reported analytical results relate only to the sample submitted.

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-26

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-08

Project # : 210029

Collected By :
Collection Date : 12/10/12 22:37

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	91.4		%		2540G	12/21/12	1
Mercury	94.	22.	ug/kg		7471	12/20/12	1
Arsenic	1800	1100	ug/kg		6010B	12/20/12	1
Barium	32000	270	ug/kg		6010B	12/20/12	1
Cadmium	BDL	270	ug/kg		6010B	12/20/12	1
Chromium	7600	550	ug/kg		6010B	12/20/12	1
Lead	14000	270	ug/kg		6010B	12/20/12	1
Selenium	BDL	1100	ug/kg		6010B	12/20/12	1
Silver	BDL	550	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	220	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	22.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	22.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	22.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	440	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	93.	ug/kg	J3	8081/8082	12/21/12	5
PCB 1221	BDL	93.	ug/kg		8081/8082	12/21/12	5
PCB 1232	BDL	93.	ug/kg		8081/8082	12/21/12	5
PCB 1242	BDL	93.	ug/kg		8081/8082	12/21/12	5
PCB 1248	BDL	93.	ug/kg		8081/8082	12/21/12	5
PCB 1254	BDL	93.	ug/kg		8081/8082	12/21/12	5
PCB 1260	BDL	93.	ug/kg	J3	8081/8082	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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L611973-26 (SV8270TCL) - Dilution due to matrix

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December 28,2012

ESC Sample # : L611973-26

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-08

Project # : 210029

Collected By :
Collection Date : 12/10/12 22:37

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	97.2		% Rec.		8081/8082	12/21/12	5
Tetrachloro-m-xylene	72.2		% Rec.		8081/8082	12/21/12	5
TCL Base/Neutral Extractables							
Acenaphthene	11000	1800	ug/kg		8270C	12/21/12	50
Acenaphthylene	BDL	1800	ug/kg		8270C	12/21/12	50
Acetophenone	BDL	18000	ug/kg		8270C	12/21/12	50
Anthracene	20000	1800	ug/kg		8270C	12/21/12	50
Atrazine	BDL	18000	ug/kg		8270C	12/21/12	50
Benzaldehyde	BDL	18000	ug/kg		8270C	12/21/12	50
Benzo(a)anthracene	42000	1800	ug/kg		8270C	12/21/12	50
Benzo(b)fluoranthene	63000	1800	ug/kg		8270C	12/21/12	50
Benzo(k)fluoranthene	12000	1800	ug/kg		8270C	12/21/12	50
Benzo(g,h,i)perylene	13000	1800	ug/kg		8270C	12/21/12	50
Benzo(a)pyrene	45000	1800	ug/kg		8270C	12/21/12	50
Biphenyl	BDL	18000	ug/kg		8270C	12/21/12	50
Bis(2-chlorethoxy)methane	BDL	18000	ug/kg		8270C	12/21/12	50
Bis(2-chloroethyl)ether	BDL	18000	ug/kg		8270C	12/21/12	50
Bis(2-chloroisopropyl)ether	BDL	18000	ug/kg		8270C	12/21/12	50
4-Bromophenyl-phenylether	BDL	18000	ug/kg		8270C	12/21/12	50
Caprolactam	BDL	18000	ug/kg		8270C	12/21/12	50
Carbazole	BDL	18000	ug/kg		8270C	12/21/12	50
4-Chloroaniline	BDL	18000	ug/kg		8270C	12/21/12	50
2-Chloronaphthalene	BDL	1800	ug/kg		8270C	12/21/12	50
4-Chlorophenyl-phenylether	BDL	18000	ug/kg		8270C	12/21/12	50
Chrysene	39000	1800	ug/kg		8270C	12/21/12	50
Dibenz(a,h)anthracene	5900	1800	ug/kg		8270C	12/21/12	50
Dibenzofuran	BDL	18000	ug/kg		8270C	12/21/12	50
3,3-Dichlorobenzidine	BDL	18000	ug/kg		8270C	12/21/12	50
2,4-Dinitrotoluene	BDL	18000	ug/kg		8270C	12/21/12	50
2,6-Dinitrotoluene	BDL	18000	ug/kg		8270C	12/21/12	50
Fluoranthene	76000	1800	ug/kg		8270C	12/21/12	50
Fluorene	8000	1800	ug/kg		8270C	12/21/12	50
Hexachlorobenzene	BDL	18000	ug/kg		8270C	12/21/12	50
Hexachloro-1,3-butadiene	BDL	18000	ug/kg		8270C	12/21/12	50
Hexachlorocyclopentadiene	BDL	18000	ug/kg		8270C	12/21/12	50
Hexachloroethane	BDL	18000	ug/kg		8270C	12/21/12	50
Indeno(1,2,3-cd)pyrene	13000	1800	ug/kg		8270C	12/21/12	50
Isophorone	BDL	18000	ug/kg		8270C	12/21/12	50
2-Methylnaphthalene	BDL	1800	ug/kg		8270C	12/21/12	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-26 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-26

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-08

Project # : 210029

Collected By :
Collection Date : 12/10/12 22:37

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	5500	1800	ug/kg		8270C	12/21/12	50
2-Nitroaniline	BDL	18000	ug/kg		8270C	12/21/12	50
3-Nitroaniline	BDL	18000	ug/kg		8270C	12/21/12	50
4-Nitroaniline	BDL	18000	ug/kg		8270C	12/21/12	50
Nitrobenzene	BDL	18000	ug/kg		8270C	12/21/12	50
n-Nitrosodiphenylamine	BDL	18000	ug/kg		8270C	12/21/12	50
n-Nitrosodi-n-propylamine	BDL	18000	ug/kg		8270C	12/21/12	50
Phenanthrene	59000	1800	ug/kg		8270C	12/21/12	50
Benzylbutyl phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Bis(2-ethylhexyl)phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Di-n-butyl phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Diethyl phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Dimethyl phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Di-n-octyl phthalate	BDL	18000	ug/kg		8270C	12/21/12	50
Pyrene	55000	1800	ug/kg		8270C	12/21/12	50
1,2,4,5-Tetrachlorobenzene	BDL	18000	ug/kg		8270C	12/21/12	50
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	18000	ug/kg		8270C	12/21/12	50
2-Chlorophenol	BDL	18000	ug/kg		8270C	12/21/12	50
2-Methylphenol	BDL	18000	ug/kg		8270C	12/21/12	50
3&4-Methyl Phenol	BDL	18000	ug/kg		8270C	12/21/12	50
2,4-Dichlorophenol	BDL	18000	ug/kg		8270C	12/21/12	50
2,4-Dimethylphenol	BDL	18000	ug/kg		8270C	12/21/12	50
4,6-Dinitro-2-methylphenol	BDL	18000	ug/kg		8270C	12/21/12	50
2,4-Dinitrophenol	BDL	18000	ug/kg		8270C	12/21/12	50
2-Nitrophenol	BDL	18000	ug/kg		8270C	12/21/12	50
4-Nitrophenol	BDL	18000	ug/kg		8270C	12/21/12	50
Pentachlorophenol	BDL	18000	ug/kg		8270C	12/21/12	50
Phenol	BDL	18000	ug/kg		8270C	12/21/12	50
2,4,5-Trichlorophenol	BDL	18000	ug/kg		8270C	12/21/12	50
2,4,6-Trichlorophenol	BDL	18000	ug/kg		8270C	12/21/12	50
Surrogate Recovery							
Nitrobenzene-d5	58.8		% Rec.	J7	8270C	12/21/12	50
2-Fluorobiphenyl	62.1		% Rec.	J7	8270C	12/21/12	50
p-Terphenyl-d14	71.5		% Rec.	J7	8270C	12/21/12	50
Phenol-d5	64.4		% Rec.	J7	8270C	12/21/12	50
2-Fluorophenol	55.4		% Rec.	J7	8270C	12/21/12	50
2,4,6-Tribromophenol	65.0		% Rec.	J7	8270C	12/21/12	50

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-26 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-27

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-13

Project # : 210029

Collected By :
Collection Date : 12/11/12 18:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	82.6		%		2540G	12/21/12	1
Mercury	93.	24.	ug/kg		7471	12/20/12	1
Arsenic	8700	1200	ug/kg		6010B	12/20/12	1
Barium	100000	300	ug/kg		6010B	12/20/12	1
Cadmium	BDL	300	ug/kg		6010B	12/20/12	1
Chromium	13000	600	ug/kg		6010B	12/20/12	1
Lead	62000	300	ug/kg		6010B	12/20/12	1
Selenium	BDL	1200	ug/kg		6010B	12/20/12	1
Silver	BDL	600	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	24.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	240	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	24.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	24.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	24.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	24.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	24.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	24.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	24.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	24.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	24.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	480	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-27

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-13

Project # : 210029

Collected By :
Collection Date : 12/11/12 18:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	84.3		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	74.7		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	200	ug/kg		8270C	12/21/12	5
Acenaphthylene	BDL	200	ug/kg		8270C	12/21/12	5
Acetophenone	BDL	2000	ug/kg		8270C	12/21/12	5
Anthracene	BDL	200	ug/kg		8270C	12/21/12	5
Atrazine	BDL	2000	ug/kg		8270C	12/21/12	5
Benzaldehyde	BDL	2000	ug/kg		8270C	12/21/12	5
Benzo(a)anthracene	280	200	ug/kg		8270C	12/21/12	5
Benzo(b)fluoranthene	530	200	ug/kg		8270C	12/21/12	5
Benzo(k)fluoranthene	BDL	200	ug/kg		8270C	12/21/12	5
Benzo(g,h,i)perylene	BDL	200	ug/kg		8270C	12/21/12	5
Benzo(a)pyrene	360	200	ug/kg		8270C	12/21/12	5
Biphenyl	BDL	2000	ug/kg		8270C	12/21/12	5
Bis(2-chlorethoxy)methane	BDL	2000	ug/kg		8270C	12/21/12	5
Bis(2-chloroethyl)ether	BDL	2000	ug/kg		8270C	12/21/12	5
Bis(2-chloroisopropyl)ether	BDL	2000	ug/kg		8270C	12/21/12	5
4-Bromophenyl-phenylether	BDL	2000	ug/kg		8270C	12/21/12	5
Caprolactam	BDL	2000	ug/kg		8270C	12/21/12	5
Carbazole	BDL	2000	ug/kg		8270C	12/21/12	5
4-Chloroaniline	BDL	2000	ug/kg		8270C	12/21/12	5
2-Chloronaphthalene	BDL	200	ug/kg		8270C	12/21/12	5
4-Chlorophenyl-phenylether	BDL	2000	ug/kg		8270C	12/21/12	5
Chrysene	310	200	ug/kg		8270C	12/21/12	5
Dibenz(a,h)anthracene	BDL	200	ug/kg		8270C	12/21/12	5
Dibenzofuran	BDL	2000	ug/kg		8270C	12/21/12	5
3,3-Dichlorobenzidine	BDL	2000	ug/kg		8270C	12/21/12	5
2,4-Dinitrotoluene	BDL	2000	ug/kg		8270C	12/21/12	5
2,6-Dinitrotoluene	BDL	2000	ug/kg		8270C	12/21/12	5
Fluoranthene	420	200	ug/kg		8270C	12/21/12	5
Fluorene	BDL	200	ug/kg		8270C	12/21/12	5
Hexachlorobenzene	BDL	2000	ug/kg		8270C	12/21/12	5
Hexachloro-1,3-butadiene	BDL	2000	ug/kg		8270C	12/21/12	5
Hexachlorocyclopentadiene	BDL	2000	ug/kg		8270C	12/21/12	5
Hexachloroethane	BDL	2000	ug/kg		8270C	12/21/12	5
Indeno(1,2,3-cd)pyrene	BDL	200	ug/kg		8270C	12/21/12	5
Isophorone	BDL	2000	ug/kg		8270C	12/21/12	5
2-Methylnaphthalene	BDL	200	ug/kg		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-27

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-13

Project # : 210029

Collected By :
Collection Date : 12/11/12 18:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	200	ug/kg		8270C	12/21/12	5
2-Nitroaniline	BDL	2000	ug/kg		8270C	12/21/12	5
3-Nitroaniline	BDL	2000	ug/kg		8270C	12/21/12	5
4-Nitroaniline	BDL	2000	ug/kg		8270C	12/21/12	5
Nitrobenzene	BDL	2000	ug/kg		8270C	12/21/12	5
n-Nitrosodiphenylamine	BDL	2000	ug/kg		8270C	12/21/12	5
n-Nitrosodi-n-propylamine	BDL	2000	ug/kg		8270C	12/21/12	5
Phenanthrene	BDL	200	ug/kg		8270C	12/21/12	5
Benzylbutyl phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Bis(2-ethylhexyl)phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Di-n-butyl phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Diethyl phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Dimethyl phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Di-n-octyl phthalate	BDL	2000	ug/kg		8270C	12/21/12	5
Pyrene	410	200	ug/kg		8270C	12/21/12	5
1,2,4,5-Tetrachlorobenzene	BDL	2000	ug/kg		8270C	12/21/12	5
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	2000	ug/kg		8270C	12/21/12	5
2-Chlorophenol	BDL	2000	ug/kg		8270C	12/21/12	5
2-Methylphenol	BDL	2000	ug/kg		8270C	12/21/12	5
3&4-Methyl Phenol	BDL	2000	ug/kg		8270C	12/21/12	5
2,4-Dichlorophenol	BDL	2000	ug/kg		8270C	12/21/12	5
2,4-Dimethylphenol	BDL	2000	ug/kg		8270C	12/21/12	5
4,6-Dinitro-2-methylphenol	BDL	2000	ug/kg		8270C	12/21/12	5
2,4-Dinitrophenol	BDL	2000	ug/kg		8270C	12/21/12	5
2-Nitrophenol	BDL	2000	ug/kg		8270C	12/21/12	5
4-Nitrophenol	BDL	2000	ug/kg		8270C	12/21/12	5
Pentachlorophenol	BDL	2000	ug/kg		8270C	12/21/12	5
Phenol	BDL	2000	ug/kg		8270C	12/21/12	5
2,4,5-Trichlorophenol	BDL	2000	ug/kg		8270C	12/21/12	5
2,4,6-Trichlorophenol	BDL	2000	ug/kg		8270C	12/21/12	5
Surrogate Recovery							
Nitrobenzene-d5	86.8		% Rec.		8270C	12/21/12	5
2-Fluorobiphenyl	83.7		% Rec.		8270C	12/21/12	5
p-Terphenyl-d14	77.0		% Rec.		8270C	12/21/12	5
Phenol-d5	82.8		% Rec.		8270C	12/21/12	5
2-Fluorophenol	77.5		% Rec.		8270C	12/21/12	5
2,4,6-Tribromophenol	88.2		% Rec.		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-28

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-15

Project # : 210029

Collected By :
Collection Date : 12/11/12 20:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	89.8		%		2540G	12/21/12	1
Mercury	2300	220	ug/kg		7471	12/20/12	10
Arsenic	1400	1100	ug/kg		6010B	12/20/12	1
Barium	72000	280	ug/kg		6010B	12/20/12	1
Cadmium	BDL	280	ug/kg		6010B	12/20/12	1
Chromium	11000	560	ug/kg		6010B	12/20/12	1
Lead	29000	280	ug/kg		6010B	12/20/12	1
Selenium	1100	1100	ug/kg		6010B	12/20/12	1
Silver	BDL	560	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	220	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	22.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	22.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	22.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	440	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1254	27.	19.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-28

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-15

Project # : 210029

Collected By :
Collection Date : 12/11/12 20:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	92.5		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	83.7		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	37.	ug/kg		8270C	12/21/12	1
Acenaphthylene	BDL	37.	ug/kg		8270C	12/21/12	1
Acetophenone	BDL	370	ug/kg		8270C	12/21/12	1
Anthracene	BDL	37.	ug/kg		8270C	12/21/12	1
Atrazine	BDL	370	ug/kg		8270C	12/21/12	1
Benzaldehyde	BDL	370	ug/kg		8270C	12/21/12	1
Benzo(a)anthracene	BDL	37.	ug/kg		8270C	12/21/12	1
Benzo(b)fluoranthene	38.	37.	ug/kg		8270C	12/21/12	1
Benzo(k)fluoranthene	BDL	37.	ug/kg		8270C	12/21/12	1
Benzo(g,h,i)perylene	BDL	37.	ug/kg		8270C	12/21/12	1
Benzo(a)pyrene	BDL	37.	ug/kg		8270C	12/21/12	1
Biphenyl	BDL	370	ug/kg		8270C	12/21/12	1
Bis(2-chlorethoxy)methane	BDL	370	ug/kg		8270C	12/21/12	1
Bis(2-chloroethyl)ether	BDL	370	ug/kg		8270C	12/21/12	1
Bis(2-chloroisopropyl)ether	BDL	370	ug/kg		8270C	12/21/12	1
4-Bromophenyl-phenylether	BDL	370	ug/kg		8270C	12/21/12	1
Caprolactam	BDL	370	ug/kg		8270C	12/21/12	1
Carbazole	BDL	370	ug/kg		8270C	12/21/12	1
4-Chloroaniline	BDL	370	ug/kg		8270C	12/21/12	1
2-Chloronaphthalene	BDL	37.	ug/kg		8270C	12/21/12	1
4-Chlorophenyl-phenylether	BDL	370	ug/kg		8270C	12/21/12	1
Chrysene	37.	37.	ug/kg		8270C	12/21/12	1
Dibenz(a,h)anthracene	BDL	37.	ug/kg		8270C	12/21/12	1
Dibenzofuran	BDL	370	ug/kg		8270C	12/21/12	1
3,3-Dichlorobenzidine	BDL	370	ug/kg		8270C	12/21/12	1
2,4-Dinitrotoluene	BDL	370	ug/kg		8270C	12/21/12	1
2,6-Dinitrotoluene	BDL	370	ug/kg		8270C	12/21/12	1
Fluoranthene	75.	37.	ug/kg		8270C	12/21/12	1
Fluorene	BDL	37.	ug/kg		8270C	12/21/12	1
Hexachlorobenzene	BDL	370	ug/kg		8270C	12/21/12	1
Hexachloro-1,3-butadiene	BDL	370	ug/kg		8270C	12/21/12	1
Hexachlorocyclopentadiene	BDL	370	ug/kg		8270C	12/21/12	1
Hexachloroethane	BDL	370	ug/kg		8270C	12/21/12	1
Indeno(1,2,3-cd)pyrene	BDL	37.	ug/kg		8270C	12/21/12	1
Isophorone	BDL	370	ug/kg		8270C	12/21/12	1
2-Methylnaphthalene	BDL	37.	ug/kg		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-28

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-15

Project # : 210029

Collected By :
Collection Date : 12/11/12 20:50

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	37.	ug/kg		8270C	12/21/12	1
2-Nitroaniline	BDL	370	ug/kg		8270C	12/21/12	1
3-Nitroaniline	BDL	370	ug/kg		8270C	12/21/12	1
4-Nitroaniline	BDL	370	ug/kg		8270C	12/21/12	1
Nitrobenzene	BDL	370	ug/kg		8270C	12/21/12	1
n-Nitrosodiphenylamine	BDL	370	ug/kg		8270C	12/21/12	1
n-Nitrosodi-n-propylamine	BDL	370	ug/kg		8270C	12/21/12	1
Phenanthrene	80.	37.	ug/kg		8270C	12/21/12	1
Benzylbutyl phthalate	BDL	370	ug/kg		8270C	12/21/12	1
Bis(2-ethylhexyl)phthalate	520	370	ug/kg		8270C	12/21/12	1
Di-n-butyl phthalate	BDL	370	ug/kg		8270C	12/21/12	1
Diethyl phthalate	BDL	370	ug/kg		8270C	12/21/12	1
Dimethyl phthalate	BDL	370	ug/kg		8270C	12/21/12	1
Di-n-octyl phthalate	BDL	370	ug/kg		8270C	12/21/12	1
Pyrene	62.	37.	ug/kg		8270C	12/21/12	1
1,2,4,5-Tetrachlorobenzene	BDL	370	ug/kg		8270C	12/21/12	1
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	370	ug/kg		8270C	12/21/12	1
2-Chlorophenol	BDL	370	ug/kg		8270C	12/21/12	1
2-Methylphenol	BDL	370	ug/kg		8270C	12/21/12	1
3&4-Methyl Phenol	BDL	370	ug/kg		8270C	12/21/12	1
2,4-Dichlorophenol	BDL	370	ug/kg		8270C	12/21/12	1
2,4-Dimethylphenol	BDL	370	ug/kg		8270C	12/21/12	1
4,6-Dinitro-2-methylphenol	BDL	370	ug/kg		8270C	12/21/12	1
2,4-Dinitrophenol	BDL	370	ug/kg		8270C	12/21/12	1
2-Nitrophenol	BDL	370	ug/kg		8270C	12/21/12	1
4-Nitrophenol	BDL	370	ug/kg		8270C	12/21/12	1
Pentachlorophenol	BDL	370	ug/kg		8270C	12/21/12	1
Phenol	BDL	370	ug/kg		8270C	12/21/12	1
2,4,5-Trichlorophenol	BDL	370	ug/kg		8270C	12/21/12	1
2,4,6-Trichlorophenol	BDL	370	ug/kg		8270C	12/21/12	1
Surrogate Recovery							
Nitrobenzene-d5	90.0		% Rec.		8270C	12/21/12	1
2-Fluorobiphenyl	83.4		% Rec.		8270C	12/21/12	1
p-Terphenyl-d14	76.4		% Rec.		8270C	12/21/12	1
Phenol-d5	85.6		% Rec.		8270C	12/21/12	1
2-Fluorophenol	77.8		% Rec.		8270C	12/21/12	1
2,4,6-Tribromophenol	108.		% Rec.		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Note:
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-29

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-16

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.4		%		2540G	12/21/12	1
Mercury	150	23.	ug/kg		7471	12/20/12	1
Arsenic	3000	1100	ug/kg		6010B	12/20/12	1
Barium	32000	290	ug/kg		6010B	12/20/12	1
Cadmium	BDL	290	ug/kg		6010B	12/20/12	1
Chromium	7400	570	ug/kg		6010B	12/20/12	1
Lead	22000	290	ug/kg		6010B	12/20/12	1
Selenium	BDL	1100	ug/kg		6010B	12/20/12	1
Silver	BDL	570	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	230	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	23.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	23.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	23.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	460	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-29 (SV8270TCL) - Dilution due to matrix

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-29

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-16

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	102.		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	91.7		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	190	ug/kg		8270C	12/21/12	5
Acenaphthylene	BDL	190	ug/kg		8270C	12/21/12	5
Acetophenone	BDL	1900	ug/kg		8270C	12/21/12	5
Anthracene	BDL	190	ug/kg		8270C	12/21/12	5
Atrazine	BDL	1900	ug/kg		8270C	12/21/12	5
Benzaldehyde	BDL	1900	ug/kg		8270C	12/21/12	5
Benzo(a)anthracene	200	190	ug/kg		8270C	12/21/12	5
Benzo(b)fluoranthene	230	190	ug/kg		8270C	12/21/12	5
Benzo(k)fluoranthene	BDL	190	ug/kg		8270C	12/21/12	5
Benzo(g,h,i)perylene	BDL	190	ug/kg		8270C	12/21/12	5
Benzo(a)pyrene	BDL	190	ug/kg		8270C	12/21/12	5
Biphenyl	BDL	1900	ug/kg		8270C	12/21/12	5
Bis(2-chlorethoxy)methane	BDL	1900	ug/kg		8270C	12/21/12	5
Bis(2-chloroethyl)ether	BDL	1900	ug/kg		8270C	12/21/12	5
Bis(2-chloroisopropyl)ether	BDL	1900	ug/kg		8270C	12/21/12	5
4-Bromophenyl-phenylether	BDL	1900	ug/kg		8270C	12/21/12	5
Caprolactam	BDL	1900	ug/kg		8270C	12/21/12	5
Carbazole	BDL	1900	ug/kg		8270C	12/21/12	5
4-Chloroaniline	BDL	1900	ug/kg		8270C	12/21/12	5
2-Chloronaphthalene	BDL	190	ug/kg		8270C	12/21/12	5
4-Chlorophenyl-phenylether	BDL	1900	ug/kg		8270C	12/21/12	5
Chrysene	220	190	ug/kg		8270C	12/21/12	5
Dibenz(a,h)anthracene	BDL	190	ug/kg		8270C	12/21/12	5
Dibenzofuran	BDL	1900	ug/kg		8270C	12/21/12	5
3,3-Dichlorobenzidine	BDL	1900	ug/kg		8270C	12/21/12	5
2,4-Dinitrotoluene	BDL	1900	ug/kg		8270C	12/21/12	5
2,6-Dinitrotoluene	BDL	1900	ug/kg		8270C	12/21/12	5
Fluoranthene	430	190	ug/kg		8270C	12/21/12	5
Fluorene	BDL	190	ug/kg		8270C	12/21/12	5
Hexachlorobenzene	BDL	1900	ug/kg		8270C	12/21/12	5
Hexachloro-1,3-butadiene	BDL	1900	ug/kg		8270C	12/21/12	5
Hexachlorocyclopentadiene	BDL	1900	ug/kg		8270C	12/21/12	5
Hexachloroethane	BDL	1900	ug/kg		8270C	12/21/12	5
Indeno(1,2,3-cd)pyrene	BDL	190	ug/kg		8270C	12/21/12	5
Isophorone	BDL	1900	ug/kg		8270C	12/21/12	5
2-Methylnaphthalene	BDL	190	ug/kg		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
The reported analytical results relate only to the sample submitted.

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L611973-29 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-29

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-16

Project # : 210029

Collected By :
Collection Date : 12/11/12 21:00

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	190	ug/kg		8270C	12/21/12	5
2-Nitroaniline	BDL	1900	ug/kg		8270C	12/21/12	5
3-Nitroaniline	BDL	1900	ug/kg		8270C	12/21/12	5
4-Nitroaniline	BDL	1900	ug/kg		8270C	12/21/12	5
Nitrobenzene	BDL	1900	ug/kg		8270C	12/21/12	5
n-Nitrosodiphenylamine	BDL	1900	ug/kg		8270C	12/21/12	5
n-Nitrosodi-n-propylamine	BDL	1900	ug/kg		8270C	12/21/12	5
Phenanthrene	320	190	ug/kg		8270C	12/21/12	5
Benzylbutyl phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Bis(2-ethylhexyl)phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Di-n-butyl phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Diethyl phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Dimethyl phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Di-n-octyl phthalate	BDL	1900	ug/kg		8270C	12/21/12	5
Pyrene	340	190	ug/kg		8270C	12/21/12	5
1,2,4,5-Tetrachlorobenzene	BDL	1900	ug/kg		8270C	12/21/12	5
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	1900	ug/kg		8270C	12/21/12	5
2-Chlorophenol	BDL	1900	ug/kg		8270C	12/21/12	5
2-Methylphenol	BDL	1900	ug/kg		8270C	12/21/12	5
3&4-Methyl Phenol	BDL	1900	ug/kg		8270C	12/21/12	5
2,4-Dichlorophenol	BDL	1900	ug/kg		8270C	12/21/12	5
2,4-Dimethylphenol	BDL	1900	ug/kg		8270C	12/21/12	5
4,6-Dinitro-2-methylphenol	BDL	1900	ug/kg		8270C	12/21/12	5
2,4-Dinitrophenol	BDL	1900	ug/kg		8270C	12/21/12	5
2-Nitrophenol	BDL	1900	ug/kg		8270C	12/21/12	5
4-Nitrophenol	BDL	1900	ug/kg		8270C	12/21/12	5
Pentachlorophenol	BDL	1900	ug/kg		8270C	12/21/12	5
Phenol	BDL	1900	ug/kg		8270C	12/21/12	5
2,4,5-Trichlorophenol	BDL	1900	ug/kg		8270C	12/21/12	5
2,4,6-Trichlorophenol	BDL	1900	ug/kg		8270C	12/21/12	5
Surrogate Recovery							
Nitrobenzene-d5	81.4		% Rec.		8270C	12/21/12	5
2-Fluorobiphenyl	85.7		% Rec.		8270C	12/21/12	5
p-Terphenyl-d14	73.4		% Rec.		8270C	12/21/12	5
Phenol-d5	89.3		% Rec.		8270C	12/21/12	5
2-Fluorophenol	84.1		% Rec.		8270C	12/21/12	5
2,4,6-Tribromophenol	85.0		% Rec.		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-29 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-30

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-19

Project # : 210029

Collected By :
Collection Date : 12/11/12 23:25

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	86.0		%		2540G	12/21/12	1
Mercury	48.	23.	ug/kg		7471	12/20/12	1
Arsenic	3000	1200	ug/kg		6010B	12/20/12	1
Barium	58000	290	ug/kg		6010B	12/20/12	1
Cadmium	BDL	290	ug/kg		6010B	12/20/12	1
Chromium	11000	580	ug/kg		6010B	12/20/12	1
Lead	15000	290	ug/kg		6010B	12/20/12	1
Selenium	BDL	1200	ug/kg		6010B	12/20/12	1
Silver	BDL	580	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	230	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	23.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	23.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	23.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	460	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	20.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	20.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
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KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-30

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-19

Project # : 210029

Collected By :
Collection Date : 12/11/12 23:25

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	90.3		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	84.6		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	38.	ug/kg		8270C	12/21/12	1
Acenaphthylene	BDL	38.	ug/kg		8270C	12/21/12	1
Acetophenone	BDL	390	ug/kg		8270C	12/21/12	1
Anthracene	BDL	38.	ug/kg		8270C	12/21/12	1
Atrazine	BDL	390	ug/kg		8270C	12/21/12	1
Benzaldehyde	BDL	390	ug/kg		8270C	12/21/12	1
Benzo(a)anthracene	41.	38.	ug/kg		8270C	12/21/12	1
Benzo(b)fluoranthene	67.	38.	ug/kg		8270C	12/21/12	1
Benzo(k)fluoranthene	BDL	38.	ug/kg		8270C	12/21/12	1
Benzo(g,h,i)perylene	BDL	38.	ug/kg		8270C	12/21/12	1
Benzo(a)pyrene	59.	38.	ug/kg		8270C	12/21/12	1
Biphenyl	BDL	390	ug/kg		8270C	12/21/12	1
Bis(2-chlorethoxy)methane	BDL	390	ug/kg		8270C	12/21/12	1
Bis(2-chloroethyl)ether	BDL	390	ug/kg		8270C	12/21/12	1
Bis(2-chloroisopropyl)ether	BDL	390	ug/kg		8270C	12/21/12	1
4-Bromophenyl-phenylether	BDL	390	ug/kg		8270C	12/21/12	1
Caprolactam	BDL	390	ug/kg		8270C	12/21/12	1
Carbazole	BDL	390	ug/kg		8270C	12/21/12	1
4-Chloroaniline	BDL	390	ug/kg		8270C	12/21/12	1
2-Chloronaphthalene	BDL	38.	ug/kg		8270C	12/21/12	1
4-Chlorophenyl-phenylether	BDL	390	ug/kg		8270C	12/21/12	1
Chrysene	40.	38.	ug/kg		8270C	12/21/12	1
Dibenz(a,h)anthracene	BDL	38.	ug/kg		8270C	12/21/12	1
Dibenzofuran	BDL	390	ug/kg		8270C	12/21/12	1
3,3-Dichlorobenzidine	BDL	390	ug/kg		8270C	12/21/12	1
2,4-Dinitrotoluene	BDL	390	ug/kg		8270C	12/21/12	1
2,6-Dinitrotoluene	BDL	390	ug/kg		8270C	12/21/12	1
Fluoranthene	56.	38.	ug/kg		8270C	12/21/12	1
Fluorene	BDL	38.	ug/kg		8270C	12/21/12	1
Hexachlorobenzene	BDL	390	ug/kg		8270C	12/21/12	1
Hexachloro-1,3-butadiene	BDL	390	ug/kg		8270C	12/21/12	1
Hexachlorocyclopentadiene	BDL	390	ug/kg		8270C	12/21/12	1
Hexachloroethane	BDL	390	ug/kg		8270C	12/21/12	1
Indeno(1,2,3-cd)pyrene	BDL	38.	ug/kg		8270C	12/21/12	1
Isophorone	BDL	390	ug/kg		8270C	12/21/12	1
2-Methylnaphthalene	BDL	38.	ug/kg		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
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Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-30

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-19

Project # : 210029

Collected By :
Collection Date : 12/11/12 23:25

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	38.	ug/kg		8270C	12/21/12	1
2-Nitroaniline	BDL	390	ug/kg		8270C	12/21/12	1
3-Nitroaniline	BDL	390	ug/kg		8270C	12/21/12	1
4-Nitroaniline	BDL	390	ug/kg		8270C	12/21/12	1
Nitrobenzene	BDL	390	ug/kg		8270C	12/21/12	1
n-Nitrosodiphenylamine	BDL	390	ug/kg		8270C	12/21/12	1
n-Nitrosodi-n-propylamine	BDL	390	ug/kg		8270C	12/21/12	1
Phenanthrene	BDL	38.	ug/kg		8270C	12/21/12	1
Benzylbutyl phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Bis(2-ethylhexyl)phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Di-n-butyl phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Diethyl phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Dimethyl phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Di-n-octyl phthalate	BDL	390	ug/kg		8270C	12/21/12	1
Pyrene	58.	38.	ug/kg		8270C	12/21/12	1
1,2,4,5-Tetrachlorobenzene	BDL	390	ug/kg		8270C	12/21/12	1
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	390	ug/kg		8270C	12/21/12	1
2-Chlorophenol	BDL	390	ug/kg		8270C	12/21/12	1
2-Methylphenol	BDL	390	ug/kg		8270C	12/21/12	1
3&4-Methyl Phenol	BDL	390	ug/kg		8270C	12/21/12	1
2,4-Dichlorophenol	BDL	390	ug/kg		8270C	12/21/12	1
2,4-Dimethylphenol	BDL	390	ug/kg		8270C	12/21/12	1
4,6-Dinitro-2-methylphenol	BDL	390	ug/kg		8270C	12/21/12	1
2,4-Dinitrophenol	BDL	390	ug/kg		8270C	12/21/12	1
2-Nitrophenol	BDL	390	ug/kg		8270C	12/21/12	1
4-Nitrophenol	BDL	390	ug/kg		8270C	12/21/12	1
Pentachlorophenol	BDL	390	ug/kg		8270C	12/21/12	1
Phenol	BDL	390	ug/kg		8270C	12/21/12	1
2,4,5-Trichlorophenol	BDL	390	ug/kg		8270C	12/21/12	1
2,4,6-Trichlorophenol	BDL	390	ug/kg		8270C	12/21/12	1
Surrogate Recovery							
Nitrobenzene-d5	72.7		% Rec.		8270C	12/21/12	1
2-Fluorobiphenyl	66.0		% Rec.		8270C	12/21/12	1
p-Terphenyl-d14	62.3		% Rec.		8270C	12/21/12	1
Phenol-d5	72.6		% Rec.		8270C	12/21/12	1
2-Fluorophenol	68.2		% Rec.		8270C	12/21/12	1
2,4,6-Tribromophenol	81.6		% Rec.		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-31

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-21

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	77.5		%		2540G	12/21/12	1
Mercury	140	26.	ug/kg		7471	12/20/12	1
Arsenic	3100	1300	ug/kg		6010B	12/20/12	1
Barium	50000	320	ug/kg		6010B	12/20/12	1
Cadmium	BDL	320	ug/kg		6010B	12/20/12	1
Chromium	9300	640	ug/kg		6010B	12/20/12	1
Lead	21000	320	ug/kg		6010B	12/20/12	1
Selenium	BDL	1300	ug/kg		6010B	12/20/12	1
Silver	BDL	640	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	26.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	26.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	26.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	26.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	26.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	260	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	26.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	26.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	26.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	26.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	26.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	26.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	26.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	26.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	26.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	520	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	22.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	22.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	22.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	22.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	22.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	22.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	22.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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L611973-31 (SV8270TCL) - Dilution due to matrix

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-31

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-21

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	82.0		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	85.8		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	210	ug/kg		8270C	12/21/12	5
Acenaphthylene	BDL	210	ug/kg		8270C	12/21/12	5
Acetophenone	BDL	2100	ug/kg		8270C	12/21/12	5
Anthracene	BDL	210	ug/kg		8270C	12/21/12	5
Atrazine	BDL	2100	ug/kg		8270C	12/21/12	5
Benzaldehyde	BDL	2100	ug/kg		8270C	12/21/12	5
Benzo(a)anthracene	340	210	ug/kg		8270C	12/21/12	5
Benzo(b)fluoranthene	530	210	ug/kg		8270C	12/21/12	5
Benzo(k)fluoranthene	BDL	210	ug/kg		8270C	12/21/12	5
Benzo(g,h,i)perylene	BDL	210	ug/kg		8270C	12/21/12	5
Benzo(a)pyrene	420	210	ug/kg		8270C	12/21/12	5
Biphenyl	BDL	2100	ug/kg		8270C	12/21/12	5
Bis(2-chlorethoxy)methane	BDL	2100	ug/kg		8270C	12/21/12	5
Bis(2-chloroethyl)ether	BDL	2100	ug/kg		8270C	12/21/12	5
Bis(2-chloroisopropyl)ether	BDL	2100	ug/kg		8270C	12/21/12	5
4-Bromophenyl-phenylether	BDL	2100	ug/kg		8270C	12/21/12	5
Caprolactam	BDL	2100	ug/kg		8270C	12/21/12	5
Carbazole	BDL	2100	ug/kg		8270C	12/21/12	5
4-Chloroaniline	BDL	2100	ug/kg		8270C	12/21/12	5
2-Chloronaphthalene	BDL	210	ug/kg		8270C	12/21/12	5
4-Chlorophenyl-phenylether	BDL	2100	ug/kg		8270C	12/21/12	5
Chrysene	320	210	ug/kg		8270C	12/21/12	5
Dibenz(a,h)anthracene	BDL	210	ug/kg		8270C	12/21/12	5
Dibenzofuran	BDL	2100	ug/kg		8270C	12/21/12	5
3,3-Dichlorobenzidine	BDL	2100	ug/kg		8270C	12/21/12	5
2,4-Dinitrotoluene	BDL	2100	ug/kg		8270C	12/21/12	5
2,6-Dinitrotoluene	BDL	2100	ug/kg		8270C	12/21/12	5
Fluoranthene	480	210	ug/kg		8270C	12/21/12	5
Fluorene	BDL	210	ug/kg		8270C	12/21/12	5
Hexachlorobenzene	BDL	2100	ug/kg		8270C	12/21/12	5
Hexachloro-1,3-butadiene	BDL	2100	ug/kg		8270C	12/21/12	5
Hexachlorocyclopentadiene	BDL	2100	ug/kg		8270C	12/21/12	5
Hexachloroethane	BDL	2100	ug/kg		8270C	12/21/12	5
Indeno(1,2,3-cd)pyrene	BDL	210	ug/kg		8270C	12/21/12	5
Isophorone	BDL	2100	ug/kg		8270C	12/21/12	5
2-Methylnaphthalene	BDL	210	ug/kg		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-31 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-31

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-21

Project # : 210029

Collected By :
Collection Date : 12/12/12 16:55

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	210	ug/kg		8270C	12/21/12	5
2-Nitroaniline	BDL	2100	ug/kg		8270C	12/21/12	5
3-Nitroaniline	BDL	2100	ug/kg		8270C	12/21/12	5
4-Nitroaniline	BDL	2100	ug/kg		8270C	12/21/12	5
Nitrobenzene	BDL	2100	ug/kg		8270C	12/21/12	5
n-Nitrosodiphenylamine	BDL	2100	ug/kg		8270C	12/21/12	5
n-Nitrosodi-n-propylamine	BDL	2100	ug/kg		8270C	12/21/12	5
Phenanthrene	270	210	ug/kg		8270C	12/21/12	5
Benzylbutyl phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Bis(2-ethylhexyl)phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Di-n-butyl phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Diethyl phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Dimethyl phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Di-n-octyl phthalate	BDL	2100	ug/kg		8270C	12/21/12	5
Pyrene	400	210	ug/kg		8270C	12/21/12	5
1,2,4,5-Tetrachlorobenzene	BDL	2100	ug/kg		8270C	12/21/12	5
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	2100	ug/kg		8270C	12/21/12	5
2-Chlorophenol	BDL	2100	ug/kg		8270C	12/21/12	5
2-Methylphenol	BDL	2100	ug/kg		8270C	12/21/12	5
3&4-Methyl Phenol	BDL	2100	ug/kg		8270C	12/21/12	5
2,4-Dichlorophenol	BDL	2100	ug/kg		8270C	12/21/12	5
2,4-Dimethylphenol	BDL	2100	ug/kg		8270C	12/21/12	5
4,6-Dinitro-2-methylphenol	BDL	2100	ug/kg		8270C	12/21/12	5
2,4-Dinitrophenol	BDL	2100	ug/kg		8270C	12/21/12	5
2-Nitrophenol	BDL	2100	ug/kg		8270C	12/21/12	5
4-Nitrophenol	BDL	2100	ug/kg		8270C	12/21/12	5
Pentachlorophenol	BDL	2100	ug/kg		8270C	12/21/12	5
Phenol	BDL	2100	ug/kg		8270C	12/21/12	5
2,4,5-Trichlorophenol	BDL	2100	ug/kg		8270C	12/21/12	5
2,4,6-Trichlorophenol	BDL	2100	ug/kg		8270C	12/21/12	5
Surrogate Recovery							
Nitrobenzene-d5	104.		% Rec.		8270C	12/21/12	5
2-Fluorobiphenyl	98.6		% Rec.		8270C	12/21/12	5
p-Terphenyl-d14	86.4		% Rec.		8270C	12/21/12	5
Phenol-d5	95.8		% Rec.		8270C	12/21/12	5
2-Fluorophenol	85.0		% Rec.		8270C	12/21/12	5
2,4,6-Tribromophenol	109.		% Rec.		8270C	12/21/12	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-31 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-32

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-24

Project # : 210029

Collected By :
Collection Date : 12/12/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	88.5		%		2540G	12/21/12	1
Mercury	87.	22.	ug/kg		7471	12/20/12	1
Arsenic	2600	1100	ug/kg		6010B	12/20/12	1
Barium	54000	280	ug/kg		6010B	12/20/12	1
Cadmium	BDL	280	ug/kg		6010B	12/20/12	1
Chromium	10000	560	ug/kg		6010B	12/20/12	1
Lead	26000	280	ug/kg		6010B	12/20/12	1
Selenium	BDL	1100	ug/kg		6010B	12/20/12	1
Silver	BDL	560	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	22.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	220	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	22.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	22.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	22.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	22.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	22.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	22.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	450	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

.
L611973-32 (SV8270TCL) - Dilution due to matrix

ESC LAB SCIENCES
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-32

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-24

Project # : 210029

Collected By :
Collection Date : 12/12/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	91.4		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	90.5		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	BDL	370	ug/kg		8270C	12/21/12	10
Acenaphthylene	BDL	370	ug/kg		8270C	12/21/12	10
Acetophenone	BDL	3800	ug/kg		8270C	12/21/12	10
Anthracene	BDL	370	ug/kg		8270C	12/21/12	10
Atrazine	BDL	3800	ug/kg		8270C	12/21/12	10
Benzaldehyde	BDL	3800	ug/kg		8270C	12/21/12	10
Benzo(a)anthracene	BDL	370	ug/kg		8270C	12/21/12	10
Benzo(b)fluoranthene	560	370	ug/kg		8270C	12/21/12	10
Benzo(k)fluoranthene	BDL	370	ug/kg		8270C	12/21/12	10
Benzo(g,h,i)perylene	BDL	370	ug/kg		8270C	12/21/12	10
Benzo(a)pyrene	420	370	ug/kg		8270C	12/21/12	10
Biphenyl	BDL	3800	ug/kg		8270C	12/21/12	10
Bis(2-chlorethoxy)methane	BDL	3800	ug/kg		8270C	12/21/12	10
Bis(2-chloroethyl)ether	BDL	3800	ug/kg		8270C	12/21/12	10
Bis(2-chloroisopropyl)ether	BDL	3800	ug/kg		8270C	12/21/12	10
4-Bromophenyl-phenylether	BDL	3800	ug/kg		8270C	12/21/12	10
Caprolactam	BDL	3800	ug/kg		8270C	12/21/12	10
Carbazole	BDL	3800	ug/kg		8270C	12/21/12	10
4-Chloroaniline	BDL	3800	ug/kg		8270C	12/21/12	10
2-Chloronaphthalene	BDL	370	ug/kg		8270C	12/21/12	10
4-Chlorophenyl-phenylether	BDL	3800	ug/kg		8270C	12/21/12	10
Chrysene	BDL	370	ug/kg		8270C	12/21/12	10
Dibenz(a,h)anthracene	BDL	370	ug/kg		8270C	12/21/12	10
Dibenzofuran	BDL	3800	ug/kg		8270C	12/21/12	10
3,3-Dichlorobenzidine	BDL	3800	ug/kg		8270C	12/21/12	10
2,4-Dinitrotoluene	BDL	3800	ug/kg		8270C	12/21/12	10
2,6-Dinitrotoluene	BDL	3800	ug/kg		8270C	12/21/12	10
Fluoranthene	720	370	ug/kg		8270C	12/21/12	10
Fluorene	BDL	370	ug/kg		8270C	12/21/12	10
Hexachlorobenzene	BDL	3800	ug/kg		8270C	12/21/12	10
Hexachloro-1,3-butadiene	BDL	3800	ug/kg		8270C	12/21/12	10
Hexachlorocyclopentadiene	BDL	3800	ug/kg		8270C	12/21/12	10
Hexachloroethane	BDL	3800	ug/kg		8270C	12/21/12	10
Indeno(1,2,3-cd)pyrene	BDL	370	ug/kg		8270C	12/21/12	10
Isophorone	BDL	3800	ug/kg		8270C	12/21/12	10
2-Methylnaphthalene	BDL	370	ug/kg		8270C	12/21/12	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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L611973-32 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-32

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-24

Project # : 210029

Collected By :
Collection Date : 12/12/12 18:20

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	370	ug/kg		8270C	12/21/12	10
2-Nitroaniline	BDL	3800	ug/kg		8270C	12/21/12	10
3-Nitroaniline	BDL	3800	ug/kg		8270C	12/21/12	10
4-Nitroaniline	BDL	3800	ug/kg		8270C	12/21/12	10
Nitrobenzene	BDL	3800	ug/kg		8270C	12/21/12	10
n-Nitrosodiphenylamine	BDL	3800	ug/kg		8270C	12/21/12	10
n-Nitrosodi-n-propylamine	BDL	3800	ug/kg		8270C	12/21/12	10
Phenanthrene	450	370	ug/kg		8270C	12/21/12	10
Benzylbutyl phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Bis(2-ethylhexyl)phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Di-n-butyl phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Diethyl phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Dimethyl phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Di-n-octyl phthalate	BDL	3800	ug/kg		8270C	12/21/12	10
Pyrene	730	370	ug/kg		8270C	12/21/12	10
1,2,4,5-Tetrachlorobenzene	BDL	3800	ug/kg		8270C	12/21/12	10
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	3800	ug/kg		8270C	12/21/12	10
2-Chlorophenol	BDL	3800	ug/kg		8270C	12/21/12	10
2-Methylphenol	BDL	3800	ug/kg		8270C	12/21/12	10
3&4-Methyl Phenol	BDL	3800	ug/kg		8270C	12/21/12	10
2,4-Dichlorophenol	BDL	3800	ug/kg		8270C	12/21/12	10
2,4-Dimethylphenol	BDL	3800	ug/kg		8270C	12/21/12	10
4,6-Dinitro-2-methylphenol	BDL	3800	ug/kg		8270C	12/21/12	10
2,4-Dinitrophenol	BDL	3800	ug/kg		8270C	12/21/12	10
2-Nitrophenol	BDL	3800	ug/kg		8270C	12/21/12	10
4-Nitrophenol	BDL	3800	ug/kg		8270C	12/21/12	10
Pentachlorophenol	BDL	3800	ug/kg		8270C	12/21/12	10
Phenol	BDL	3800	ug/kg		8270C	12/21/12	10
2,4,5-Trichlorophenol	BDL	3800	ug/kg		8270C	12/21/12	10
2,4,6-Trichlorophenol	BDL	3800	ug/kg		8270C	12/21/12	10
Surrogate Recovery							
Nitrobenzene-d5	56.6		% Rec.		8270C	12/21/12	10
2-Fluorobiphenyl	57.7		% Rec.		8270C	12/21/12	10
p-Terphenyl-d14	51.6		% Rec.		8270C	12/21/12	10
Phenol-d5	56.9		% Rec.		8270C	12/21/12	10
2-Fluorophenol	52.4		% Rec.		8270C	12/21/12	10
2,4,6-Tribromophenol	57.6		% Rec.		8270C	12/21/12	10

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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L611973-32 (SV8270TCL) - Dilution due to matrix

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-33

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-25

Project # : 210029

Collected By :
Collection Date : 12/12/12 19:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Total Solids	87.6		%		2540G	12/21/12	1
Mercury	59.	23.	ug/kg		7471	12/20/12	1
Arsenic	2000	1100	ug/kg		6010B	12/20/12	1
Barium	42000	280	ug/kg		6010B	12/20/12	1
Cadmium	BDL	280	ug/kg		6010B	12/20/12	1
Chromium	8900	570	ug/kg		6010B	12/20/12	1
Lead	16000	280	ug/kg		6010B	12/20/12	1
Selenium	BDL	1100	ug/kg		6010B	12/20/12	1
Silver	BDL	570	ug/kg		6010B	12/20/12	1
Pesticide/PCBs							
Aldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Alpha BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Beta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Delta BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Gamma BHC	BDL	23.	ug/kg		8081/8082	12/27/12	1
Chlordane	BDL	230	ug/kg		8081/8082	12/27/12	1
4,4-DDD	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDE	BDL	23.	ug/kg		8081/8082	12/27/12	1
4,4-DDT	BDL	23.	ug/kg		8081/8082	12/27/12	1
Dieldrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan I	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan II	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endosulfan sulfate	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin aldehyde	BDL	23.	ug/kg		8081/8082	12/27/12	1
Endrin ketone	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Heptachlor epoxide	BDL	23.	ug/kg		8081/8082	12/27/12	1
Hexachlorobenzene	BDL	23.	ug/kg		8081/8082	12/27/12	1
Methoxychlor	BDL	23.	ug/kg		8081/8082	12/27/12	1
Toxaphene	BDL	460	ug/kg		8081/8082	12/27/12	1
PCB 1016	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1
PCB 1221	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1232	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1242	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1248	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1254	BDL	19.	ug/kg		8081/8082	12/21/12	1
PCB 1260	BDL	19.	ug/kg	J3	8081/8082	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
The reported analytical results relate only to the sample submitted.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-33

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-25

Project # : 210029

Collected By :
Collection Date : 12/12/12 19:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Pest/PCBs Surrogates							
Decachlorobiphenyl	85.0		% Rec.		8081/8082	12/21/12	1
Tetrachloro-m-xylene	71.0		% Rec.		8081/8082	12/21/12	1
TCL Base/Neutral Extractables							
Acenaphthene	51.	38.	ug/kg		8270C	12/21/12	1
Acenaphthylene	BDL	38.	ug/kg		8270C	12/21/12	1
Acetophenone	BDL	380	ug/kg		8270C	12/21/12	1
Anthracene	160	38.	ug/kg		8270C	12/21/12	1
Atrazine	BDL	380	ug/kg		8270C	12/21/12	1
Benzaldehyde	BDL	380	ug/kg		8270C	12/21/12	1
Benzo(a)anthracene	230	38.	ug/kg		8270C	12/21/12	1
Benzo(b)fluoranthene	310	38.	ug/kg		8270C	12/21/12	1
Benzo(k)fluoranthene	67.	38.	ug/kg		8270C	12/21/12	1
Benzo(g,h,i)perylene	110	38.	ug/kg		8270C	12/21/12	1
Benzo(a)pyrene	230	38.	ug/kg		8270C	12/21/12	1
Biphenyl	BDL	380	ug/kg		8270C	12/21/12	1
Bis(2-chlorethoxy)methane	BDL	380	ug/kg		8270C	12/21/12	1
Bis(2-chloroethyl)ether	BDL	380	ug/kg		8270C	12/21/12	1
Bis(2-chloroisopropyl)ether	BDL	380	ug/kg		8270C	12/21/12	1
4-Bromophenyl-phenylether	BDL	380	ug/kg		8270C	12/21/12	1
Caprolactam	BDL	380	ug/kg		8270C	12/21/12	1
Carbazole	BDL	380	ug/kg		8270C	12/21/12	1
4-Chloroaniline	BDL	380	ug/kg		8270C	12/21/12	1
2-Chloronaphthalene	BDL	38.	ug/kg		8270C	12/21/12	1
4-Chlorophenyl-phenylether	BDL	380	ug/kg		8270C	12/21/12	1
Chrysene	220	38.	ug/kg		8270C	12/21/12	1
Dibenz(a,h)anthracene	46.	38.	ug/kg		8270C	12/21/12	1
Dibenzofuran	BDL	380	ug/kg		8270C	12/21/12	1
3,3-Dichlorobenzidine	BDL	380	ug/kg		8270C	12/21/12	1
2,4-Dinitrotoluene	BDL	380	ug/kg		8270C	12/21/12	1
2,6-Dinitrotoluene	BDL	380	ug/kg		8270C	12/21/12	1
Fluoranthene	500	38.	ug/kg		8270C	12/21/12	1
Fluorene	58.	38.	ug/kg		8270C	12/21/12	1
Hexachlorobenzene	BDL	380	ug/kg		8270C	12/21/12	1
Hexachloro-1,3-butadiene	BDL	380	ug/kg		8270C	12/21/12	1
Hexachlorocyclopentadiene	BDL	380	ug/kg		8270C	12/21/12	1
Hexachloroethane	BDL	380	ug/kg		8270C	12/21/12	1
Indeno(1,2,3-cd)pyrene	100	38.	ug/kg		8270C	12/21/12	1
Isophorone	BDL	380	ug/kg		8270C	12/21/12	1
2-Methylnaphthalene	BDL	38.	ug/kg		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ -0612, MN - 047-999-395, NY - 11742, NJ - TN002, WI - 998093910

Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-33

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-25

Project # : 210029

Collected By :
Collection Date : 12/12/12 19:30

Parameter	Dry Result	RDL	Units	Qualifier	Method	Date	Dil.
Naphthalene	BDL	38.	ug/kg		8270C	12/21/12	1
2-Nitroaniline	BDL	380	ug/kg		8270C	12/21/12	1
3-Nitroaniline	BDL	380	ug/kg		8270C	12/21/12	1
4-Nitroaniline	BDL	380	ug/kg		8270C	12/21/12	1
Nitrobenzene	BDL	380	ug/kg		8270C	12/21/12	1
n-Nitrosodiphenylamine	BDL	380	ug/kg		8270C	12/21/12	1
n-Nitrosodi-n-propylamine	BDL	380	ug/kg		8270C	12/21/12	1
Phenanthrene	480	38.	ug/kg		8270C	12/21/12	1
Benzylbutyl phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Bis(2-ethylhexyl)phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Di-n-butyl phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Diethyl phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Dimethyl phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Di-n-octyl phthalate	BDL	380	ug/kg		8270C	12/21/12	1
Pyrene	430	38.	ug/kg		8270C	12/21/12	1
1,2,4,5-Tetrachlorobenzene	BDL	380	ug/kg		8270C	12/21/12	1
TCL Acid Extractables							
4-Chloro-3-methylphenol	BDL	380	ug/kg		8270C	12/21/12	1
2-Chlorophenol	BDL	380	ug/kg		8270C	12/21/12	1
2-Methylphenol	BDL	380	ug/kg		8270C	12/21/12	1
3&4-Methyl Phenol	BDL	380	ug/kg		8270C	12/21/12	1
2,4-Dichlorophenol	BDL	380	ug/kg		8270C	12/21/12	1
2,4-Dimethylphenol	BDL	380	ug/kg		8270C	12/21/12	1
4,6-Dinitro-2-methylphenol	BDL	380	ug/kg		8270C	12/21/12	1
2,4-Dinitrophenol	BDL	380	ug/kg		8270C	12/21/12	1
2-Nitrophenol	BDL	380	ug/kg		8270C	12/21/12	1
4-Nitrophenol	BDL	380	ug/kg		8270C	12/21/12	1
Pentachlorophenol	BDL	380	ug/kg		8270C	12/21/12	1
Phenol	BDL	380	ug/kg		8270C	12/21/12	1
2,4,5-Trichlorophenol	BDL	380	ug/kg		8270C	12/21/12	1
2,4,6-Trichlorophenol	BDL	380	ug/kg		8270C	12/21/12	1
Surrogate Recovery							
Nitrobenzene-d5	88.3		% Rec.		8270C	12/21/12	1
2-Fluorobiphenyl	87.4		% Rec.		8270C	12/21/12	1
p-Terphenyl-d14	83.5		% Rec.		8270C	12/21/12	1
Phenol-d5	97.0		% Rec.		8270C	12/21/12	1
2-Fluorophenol	78.2		% Rec.		8270C	12/21/12	1
2,4,6-Tribromophenol	115.		% Rec.		8270C	12/21/12	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)

Laboratory Certification Numbers:
AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233
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Note:
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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-34

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-06

Project : 210029

Collected By :
Collection Date : 12/10/12 20:57

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	12/21/12 0957	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	12/21/12 1811	CCE	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	12/22/12 1143	WC	1
Barium	0.80	0.15	mg/l	100	6010B	12/22/12 1143	WC	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1143	WC	1
Chromium	BDL	0.050	mg/l	5.0	6010B	12/22/12 1143	WC	1
Lead	BDL	0.050	mg/l	5.0	6010B	12/22/12 1143	WC	1
Selenium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1143	WC	1
Silver	BDL	0.050	mg/l	5.0	6010B	12/22/12 1143	WC	1
TCLP ZHE Extraction	-				1311	12/21/12 0737	MVE	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1358	JMM	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	12/21/12 1358	JMM	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	12/21/12 1358	JMM	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	12/21/12 1358	JMM	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	12/21/12 1358	JMM	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1358	JMM	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	12/21/12 1358	JMM	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1358	JMM	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1358	JMM	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	12/21/12 1358	JMM	1
Surrogate Recovery								
Toluene-d8	96.1		% Rec.	114.	8260B	12/21/12 1358	JMM	1
Dibromofluoromethane	96.8		% Rec.	125.	8260B	12/21/12 1358	JMM	1
a,a,a-Trifluorotoluene	101.		% Rec.	114.	8260B	12/21/12 1358	JMM	1
4-Bromofluorobenzene	103.		% Rec.	128.	8260B	12/21/12 1358	JMM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	12/22/12 0628	ADF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0628	ADF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0628	ADF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	12/22/12 0628	ADF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	12/22/12 0628	ADF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	12/22/12 0628	ADF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	12/22/12 0628	ADF	1
3&4-Methyl Phenol	BDL	0.10	mg/l	400	8270C	12/22/12 0628	ADF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	12/22/12 0628	ADF	1

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Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-34

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-06

Project : 210029

Collected By :
Collection Date : 12/10/12 20:57

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	12/22/12 0628	ADF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	12/22/12 0628	ADF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	12/22/12 0628	ADF	1
Surrogate Recovery								
2-Fluorophenol	46.7		% Rec.	87.0	8270C	12/22/12 0628	ADF	1
Phenol-d5	35.3		% Rec.	67.0	8270C	12/22/12 0628	ADF	1
Nitrobenzene-d5	88.1		% Rec.	120.	8270C	12/22/12 0628	ADF	1
2-Fluorobiphenyl	101.		% Rec.	122.	8270C	12/22/12 0628	ADF	1
2,4,6-Tribromophenol	90.6		% Rec.	148.	8270C	12/22/12 0628	ADF	1
p-Terphenyl-d14	95.1		% Rec.	149.	8270C	12/22/12 0628	ADF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 12/27/12 16:36 Revised: 12/28/12 16:02

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-37

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-17

Project : 210029

Collected By :
Collection Date : 12/11/12 21:40

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	12/21/12 0735	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	12/21/12 1814	CCE	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	12/22/12 1146	WC	1
Barium	0.28	0.15	mg/l	100	6010B	12/22/12 1146	WC	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1146	WC	1
Chromium	BDL	0.050	mg/l	5.0	6010B	12/22/12 1146	WC	1
Lead	BDL	0.050	mg/l	5.0	6010B	12/22/12 1146	WC	1
Selenium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1146	WC	1
Silver	BDL	0.050	mg/l	5.0	6010B	12/22/12 1146	WC	1
TCLP ZHE Extraction	-				1311	12/21/12 0737	MVE	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1543	JMM	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	12/21/12 1543	JMM	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	12/21/12 1543	JMM	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	12/21/12 1543	JMM	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	12/21/12 1543	JMM	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1543	JMM	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	12/21/12 1543	JMM	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1543	JMM	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1543	JMM	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	12/21/12 1543	JMM	1
Surrogate Recovery								
Toluene-d8	96.1		% Rec.	114.	8260B	12/21/12 1543	JMM	1
Dibromofluoromethane	100.		% Rec.	125.	8260B	12/21/12 1543	JMM	1
a,a,a-Trifluorotoluene	101.		% Rec.	114.	8260B	12/21/12 1543	JMM	1
4-Bromofluorobenzene	102.		% Rec.	128.	8260B	12/21/12 1543	JMM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	12/22/12 0648	ADF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0648	ADF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0648	ADF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	12/22/12 0648	ADF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	12/22/12 0648	ADF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	12/22/12 0648	ADF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	12/22/12 0648	ADF	1
3&4-Methyl Phenol	BDL	0.10	mg/l	400	8270C	12/22/12 0648	ADF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	12/22/12 0648	ADF	1

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REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-37

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-17

Project : 210029

Collected By :
Collection Date : 12/11/12 21:40

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	12/22/12 0648	ADF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	12/22/12 0648	ADF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	12/22/12 0648	ADF	1
Surrogate Recovery								
2-Fluorophenol	33.3		% Rec.	87.0	8270C	12/22/12 0648	ADF	1
Phenol-d5	18.7		% Rec.	67.0	8270C	12/22/12 0648	ADF	1
Nitrobenzene-d5	75.9		% Rec.	120.	8270C	12/22/12 0648	ADF	1
2-Fluorobiphenyl	90.4		% Rec.	122.	8270C	12/22/12 0648	ADF	1
2,4,6-Tribromophenol	78.5		% Rec.	148.	8270C	12/22/12 0648	ADF	1
p-Terphenyl-d14	87.2		% Rec.	149.	8270C	12/22/12 0648	ADF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 12/27/12 16:36 Revised: 12/28/12 16:02

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REPORT OF ANALYSIS

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LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-38

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-22

Project : 210029

Collected By :
Collection Date : 12/12/12 17:30

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
TCLP Extraction	-				1311	12/21/12 0735	MVE	1
Mercury	BDL	0.0010	mg/l	0.20	7470A	12/21/12 1817	CCE	1
Arsenic	BDL	0.050	mg/l	5.0	6010B	12/22/12 1148	WC	1
Barium	0.72	0.15	mg/l	100	6010B	12/22/12 1148	WC	1
Cadmium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1148	WC	1
Chromium	BDL	0.050	mg/l	5.0	6010B	12/22/12 1148	WC	1
Lead	BDL	0.050	mg/l	5.0	6010B	12/22/12 1148	WC	1
Selenium	BDL	0.050	mg/l	1.0	6010B	12/22/12 1148	WC	1
Silver	BDL	0.050	mg/l	5.0	6010B	12/22/12 1148	WC	1
TCLP ZHE Extraction	-				1311	12/21/12 0737	MVE	1
TCLP Volatiles								
Benzene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1601	JMM	1
Carbon tetrachloride	BDL	0.050	mg/l	0.50	8260B	12/21/12 1601	JMM	1
Chlorobenzene	BDL	0.050	mg/l	100	8260B	12/21/12 1601	JMM	1
Chloroform	BDL	0.25	mg/l	6.0	8260B	12/21/12 1601	JMM	1
1,2-Dichloroethane	BDL	0.050	mg/l	0.50	8260B	12/21/12 1601	JMM	1
1,1-Dichloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1601	JMM	1
2-Butanone (MEK)	BDL	0.50	mg/l	200	8260B	12/21/12 1601	JMM	1
Tetrachloroethene	BDL	0.050	mg/l	0.70	8260B	12/21/12 1601	JMM	1
Trichloroethene	BDL	0.050	mg/l	0.50	8260B	12/21/12 1601	JMM	1
Vinyl chloride	BDL	0.050	mg/l	0.20	8260B	12/21/12 1601	JMM	1
Surrogate Recovery								
Toluene-d8	96.5		% Rec.	114.	8260B	12/21/12 1601	JMM	1
Dibromofluoromethane	95.8		% Rec.	125.	8260B	12/21/12 1601	JMM	1
a,a,a-Trifluorotoluene	101.		% Rec.	114.	8260B	12/21/12 1601	JMM	1
4-Bromofluorobenzene	101.		% Rec.	128.	8260B	12/21/12 1601	JMM	1
TCLP Semi-Volatiles								
1,4-Dichlorobenzene	BDL	0.10	mg/l	7.5	8270C	12/22/12 0709	ADF	1
2,4-Dinitrotoluene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0709	ADF	1
Hexachlorobenzene	BDL	0.10	mg/l	0.13	8270C	12/22/12 0709	ADF	1
Hexachloro-1,3-butadiene	BDL	0.10	mg/l	0.50	8270C	12/22/12 0709	ADF	1
Hexachloroethane	BDL	0.10	mg/l	3.0	8270C	12/22/12 0709	ADF	1
Nitrobenzene	BDL	0.10	mg/l	2.0	8270C	12/22/12 0709	ADF	1
Pyridine	BDL	0.10	mg/l	5.0	8270C	12/22/12 0709	ADF	1
3&4-Methyl Phenol	BDL	0.10	mg/l	400	8270C	12/22/12 0709	ADF	1
2-Methylphenol	BDL	0.10	mg/l	200	8270C	12/22/12 0709	ADF	1

ESC LAB SCIENCES
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Jason Jaskowiak
LaBella Associates, P.C.
300 State Street, Suite 201
Rochester, NY 14614

December 28,2012

ESC Sample # : L611973-38

Date Received : December 17, 2012
Description : Edison Tech.

Site ID :

Sample ID : ET-SB-22

Project : 210029

Collected By :
Collection Date : 12/12/12 17:30

Parameter	Result	Det. Limit	Units	Limit	Method	Date/Time	By	Dil
Pentachlorophenol	BDL	0.10	mg/l	100	8270C	12/22/12 0709	ADF	1
2,4,5-Trichlorophenol	BDL	0.10	mg/l	400	8270C	12/22/12 0709	ADF	1
2,4,6-Trichlorophenol	BDL	0.10	mg/l	2.0	8270C	12/22/12 0709	ADF	1
Surrogate Recovery								
2-Fluorophenol	43.8		% Rec.	87.0	8270C	12/22/12 0709	ADF	1
Phenol-d5	30.8		% Rec.	67.0	8270C	12/22/12 0709	ADF	1
Nitrobenzene-d5	71.1		% Rec.	120.	8270C	12/22/12 0709	ADF	1
2-Fluorobiphenyl	88.4		% Rec.	122.	8270C	12/22/12 0709	ADF	1
2,4,6-Tribromophenol	77.7		% Rec.	148.	8270C	12/22/12 0709	ADF	1
p-Terphenyl-d14	90.3		% Rec.	149.	8270C	12/22/12 0709	ADF	1

BDL - Below Detection Limit
Det. Limit - Estimated Quantitation Limit(EQL)
Limit - Maximum Contaminant Level as established by the US EPA
Note:
The reported analytical results relate only to the sample submitted.

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Reported: 12/27/12 16:36 Revised: 12/28/12 16:02

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L611973-01	WG629087	SAMP	4-Bromofluorobenzene	R2490237	J2
L611973-04	WG629087	SAMP	Acetone	R2490237	J6
	WG629087	SAMP	2-Butanone (MEK)	R2490237	J6
L611973-24	WG629034	SAMP	Mercury	R2488557	J5
	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
	WG629049	SAMP	Nitrobenzene-d5	R2489318	J7
	WG629049	SAMP	2-Fluorobiphenyl	R2489318	J7
	WG629049	SAMP	p-Terphenyl-d14	R2489318	J7
	WG629049	SAMP	Phenol-d5	R2489318	J7
	WG629049	SAMP	2-Fluorophenol	R2489318	J7
	WG629049	SAMP	2,4,6-Tribromophenol	R2489318	J7
L611973-25	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
	WG629049	SAMP	Acenaphthene	R2489318	O
	WG629049	SAMP	Acenaphthylene	R2489318	O
	WG629049	SAMP	Acetophenone	R2489318	O
	WG629049	SAMP	Anthracene	R2489318	O
	WG629049	SAMP	Atrazine	R2489318	O
	WG629049	SAMP	Benzaldehyde	R2489318	O
	WG629049	SAMP	Benzo(a)anthracene	R2489318	O
	WG629049	SAMP	Benzo(b)fluoranthene	R2489318	O
	WG629049	SAMP	Benzo(k)fluoranthene	R2489318	O
	WG629049	SAMP	Benzo(g,h,i)perylene	R2489318	O
	WG629049	SAMP	Benzo(a)pyrene	R2489318	O
	WG629049	SAMP	Biphenyl	R2489318	O
	WG629049	SAMP	Bis(2-chlorethoxy)methane	R2489318	O
	WG629049	SAMP	Bis(2-chloroethyl)ether	R2489318	O
	WG629049	SAMP	Bis(2-chloroisopropyl)ether	R2489318	O
	WG629049	SAMP	4-Bromophenyl-phenylether	R2489318	O
	WG629049	SAMP	Caprolactam	R2489318	O
	WG629049	SAMP	Carbazole	R2489318	O
	WG629049	SAMP	4-Chloroaniline	R2489318	O
	WG629049	SAMP	2-Chloronaphthalene	R2489318	O
	WG629049	SAMP	4-Chlorophenyl-phenylether	R2489318	O
	WG629049	SAMP	Chrysene	R2489318	O
	WG629049	SAMP	Dibenz(a,h)anthracene	R2489318	O
	WG629049	SAMP	Dibenzofuran	R2489318	O
	WG629049	SAMP	3,3-Dichlorobenzidine	R2489318	O
	WG629049	SAMP	2,4-Dinitrotoluene	R2489318	O
	WG629049	SAMP	2,6-Dinitrotoluene	R2489318	O
	WG629049	SAMP	Fluoranthene	R2489318	O
	WG629049	SAMP	Fluorene	R2489318	O
	WG629049	SAMP	Hexachlorobenzene	R2489318	O
	WG629049	SAMP	Hexachloro-1,3-butadiene	R2489318	O
	WG629049	SAMP	Hexachlorocyclopentadiene	R2489318	O
	WG629049	SAMP	Hexachloroethane	R2489318	O
	WG629049	SAMP	Indeno(1,2,3-cd)pyrene	R2489318	O
	WG629049	SAMP	Isophorone	R2489318	O
	WG629049	SAMP	2-Methylnaphthalene	R2489318	O
	WG629049	SAMP	Naphthalene	R2489318	O
	WG629049	SAMP	2-Nitroaniline	R2489318	O
	WG629049	SAMP	3-Nitroaniline	R2489318	O
	WG629049	SAMP	4-Nitroaniline	R2489318	O
	WG629049	SAMP	Nitrobenzene	R2489318	O
	WG629049	SAMP	n-Nitrosodiphenylamine	R2489318	O
	WG629049	SAMP	n-Nitrosodi-n-propylamine	R2489318	O
	WG629049	SAMP	Phenanthrene	R2489318	O
	WG629049	SAMP	Benzylbutyl phthalate	R2489318	O
	WG629049	SAMP	Bis(2-ethylhexyl)phthalate	R2489318	O
	WG629049	SAMP	Di-n-butyl phthalate	R2489318	O
	WG629049	SAMP	Diethyl phthalate	R2489318	O
	WG629049	SAMP	Dimethyl phthalate	R2489318	O
	WG629049	SAMP	Di-n-octyl phthalate	R2489318	O
	WG629049	SAMP	Pyrene	R2489318	O
	WG629049	SAMP	1,2,4,5-Tetrachlorobenzene	R2489318	O
	WG629049	SAMP	4-Chloro-3-methylphenol	R2489318	O
	WG629049	SAMP	2-Chlorophenol	R2489318	O
	WG629049	SAMP	2-Methylphenol	R2489318	O

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG629049	SAMP	3&4-Methyl Phenol	R2489318	O
	WG629049	SAMP	2,4-Dichlorophenol	R2489318	O
	WG629049	SAMP	2,4-Dimethylphenol	R2489318	O
	WG629049	SAMP	4,6-Dinitro-2-methylphenol	R2489318	O
	WG629049	SAMP	2,4-Dinitrophenol	R2489318	O
	WG629049	SAMP	2-Nitrophenol	R2489318	O
	WG629049	SAMP	4-Nitrophenol	R2489318	O
	WG629049	SAMP	Pentachlorophenol	R2489318	O
	WG629049	SAMP	Phenol	R2489318	O
	WG629049	SAMP	2,4,5-Trichlorophenol	R2489318	O
	WG629049	SAMP	2,4,6-Trichlorophenol	R2489318	O
L611973-26	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
	WG629049	SAMP	Nitrobenzene-d5	R2489318	J7
	WG629049	SAMP	2-Fluorobiphenyl	R2489318	J7
	WG629049	SAMP	p-Terphenyl-d14	R2489318	J7
	WG629049	SAMP	Phenol-d5	R2489318	J7
	WG629049	SAMP	2-Fluorophenol	R2489318	J7
	WG629049	SAMP	2,4,6-Tribromophenol	R2489318	J7
L611973-27	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-28	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-29	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-30	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-31	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-32	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3
L611973-33	WG629047	SAMP	PCB 1016	R2491882	J3
	WG629047	SAMP	PCB 1260	R2491882	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable "unless qualified as 'R' (Rejected)."

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
12/28/12 at 16:02:07

TSR Signing Reports: 364
R5 - Desired TAT

Sample: L611973-01 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-02 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-03 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-04 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-05 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-06 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-07 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-08 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-09 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-10 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-11 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-12 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-13 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-14 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-15 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-16 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-17 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-18 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-19 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-20 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-21 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-22 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-23 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-24 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-25 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-26 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-27 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-28 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-29 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-30 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-31 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-32 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-33 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-34 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-37 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

Sample: L611973-38 Account: LABRNY Received: 12/17/12 09:30 Due Date: 12/24/12 00:00 RPT Date: 12/27/12 16:36

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-01
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.2	No Change
				Gravel and Silt			
						0.3	
2		75%			0		
				Ash @ 3 ft Saturated @ 4	0		
	VOC @ 3 ft			ft			
						0.1	
4					0		
				Silty Clay	0		
						0.2	
6		80%			0		
				Refusal @ 7.3	0	0.2	
8					0		
10							
12							
16							
20							

DEPTH (FT) 7.3 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-02
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.2	No Change
				Gravel and Silt			
				Silt		0.2	
2		100%			0		
				Loamy Silt	0		
	VOC @ 3 ft					0.3	
4					0	0.4	
				Loamy Silt	0		
						0.2	
6		100%			0		
				Refusal @ 6.9 ft	0	0.1	
8							
10							
12							
16							
20							

DEPTH (FT) 6.9 ft

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-03
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.1	No Change
				Gravel and Silt			
				Silt		0.3	
2		75%			0		
				Trace Mix Cinders @ 3.5 to 4.5 ft	0		
	VOC & Full from 3.5 to 4.5 feet					0.4	
4					0	0.4	
				Silty Clay	0		
						0.1	
6		90%			0		
				Refusal @ 7.6 ft	0	0.2	
8							
10							
12							
16							
20							

DEPTH (FT) 7.6 ft

NOTES: 10 ft off wall
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-04
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.1	No Change
				Gravel and Silt			
				Silt		0.4	
2		60%			0		
				Silty Clay @ 3 ft	0		
						0.2	
4					0	0.1	
				Silt and gravel 4 ft	0		
						0.1	
6		85%			0		
				Saturated @ 7 ft Refusal @ 7.8 ft	0	0.1	
	VOC @ 7.5 ft						
8							
10							
12							
16							
20							

DEPTH (FT) 7.8 ft

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-05
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial

BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012 END DATE

DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.1	No Change
				Gravel and Silt			
				Sandy Silt 1 to 3 ft		0.1	
2		75%			0		
				Clayey Silt	0		
						0.1	
4					0	0.1	
				Trace Ash and Ciders from 4 to ~6 ft	0		
	VOC @ 4.5ft					0.1	
6		75%			0		
				Silty Clay	0	0.1	
8				Refusal @ 8.4 ft	0	0.1	
10							
12							
16							
20							

DEPTH (FT) 8.4 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-06
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.2	No Change
				Clayey Silt			
				Clayey Silt		0.1	
2		60%			0		
				Misc Ash @ ~ 3ft Trace Cinders	0		
	TCLP from 3 to 4.5 ft			@ from 3.5 to 4.5 ft		0.3	
4					0	0.2	
				Silt and gravel	0		
6		85%			0		
				Silty clay	0	0.1	
	VOC @ 7.5 ft						
8				Refusal @ 8 ft			
10							
12							
16							
20							

DEPTH (FT) 8 ft

NOTES: No GW
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-07
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.4	No Change
	Full (1/4)			Silt/ash/gravel/glass/cinders from ~1 to 4 ft			
						0.4	
2	Full (1/4)	40%			0		
	Full (1/4)				0	0.4	
4	Full (1/4)				0	0.1	
				Silt	0		
6	VOC @ 6 ft	35%			0		
				Silt	0	0.1	
					0		
8				Clayey Silt - Moist from 7 to 11.1 ft		0.1	
					0		
10				Refusal @ 11.1 ft	0	0.1	
12							
16							
20							

DEPTH (FT) 8 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-08
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.3	No Change
				Silt and gravel			
						0.4	
2	Full (1/4)	50%			0		
				Distinct layer of cinders/slag @ 3 ft to 4 ft	0		
						0.3	
4	Full (1/4)				0	0.3	
	VOC @ 4 ft			Trace silt/gravel/cinders from 4 ft to 6 ft	0		
6		75%			0		
				Clayey Silt 6 to 8 ft	0	0.2	
	Full (1/4)						
					0		
8				Trace silt/gravel/cinders from 8 ft to 9.6 ft			
				Refusal @ 9.6 ft		0.2	
	Full (1/4)	100%			0		
10							
12							
16							
20							

DEPTH (FT) 9.6 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-09
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.3	No Change
						0.3	
2		75%			0		
				Trace Silt/gravel/ash/cinder from 0.5 to 10 ft	0		
						0.3	
4					0	0.3	
					0		
6		100%			0		
					0	0.3	
					0		
8	VOC @ 8 ft					0.2	
					0		
10		60%					
				Clayey Silt from 10 to 12.6 ft	0	0.2	
12							
		100%		Refusal @ 12.6 ft	0	0.2	
16							
20							

DEPTH (FT) 12.6 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-10
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.3	No Change
				Silt and gravel			
				Crushed stone		0.2	
2		60%			0		
				Clayey Silt	0		
						0.2	
4						0.2	
	VOC @ 4.5 ft			Clayey Silt - PID hits around 4.5 feet	6		
					31		
					13.6		
6		85%			0		
				Silt and gravel	0	0.1	
8				Refusal @ 7.7 ft		0.1	
10							
12							
16							
20							

DEPTH (FT) 7.7 ft

NOTES: No GW
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-11
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.1	No Change
				Silty Clay and stone			
						0.1	
2		70%			0		
					0		
						0.1	
4					0	0.1	
					0		
6		90%			0		
					0	0.1	
8				Silty clay and stone - moist at 9 ft	0		
						0.1	
					0		
10		100%					
	VOC @ 11ft			Refusal @ 11.1 ft	0	0.1	
12							
16							
20							

DEPTH (FT) 11.1 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-12
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.1	No Change
				Silty and stone			
						0.2	
2		40%			0		
					0		
						0.1	
4					0	0.2	
					0		
6		25%			0		
					0	0.3	
					0		
8	VOC @ 8 ft			Silty and stone - moist at 8 ft		0.1	
					0		
10		90%		Refusal @ 10.7 ft	0	0.1	
12							
16							
20							

DEPTH (FT) 10.7 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-13
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial

BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012 END DATE

DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.4	No Change
	Full (1/4)			Trace Silt/ash/cinders to 5 ft			
						0.5	
2	Full (1/4)	80%			0		
					0		
	Full (1/4)					0.3	
4					0	0.4	
	Full (1/4)				0		
6	VOC @ 6 ft	80%			0		
				Silt 5 to 7 ft	0	0.3	
					0		
8				Silty clay 7 to 10.9 ft			
						0.3	
					0		
10		60%					
				Refusal @ 10.9 ft	0	0.3	
12							
16							
20							

DEPTH (FT) 10.9 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-14
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Grass	0	0	No Change
				Loamy Silt			
						0.2	
2		55%			0		
				Stone/silt/trace cinders from 2 to 4 ft	0		
						0.1	
4					0	0	
	VOC @ 4.5ft				0		
6		80%			0		
				clayey silt and stone	0	0	
8					0		
						0.2	
					0		
10		100%					
				Refusal @ 10.8 ft	0	0	
12							
16							
20							

DEPTH (FT) 10.8 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-15
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Grass	0	0.1	No Change
	Full (1/4)						
						0.2	
2		95%			0		
				Silt and stone with ash and trace cinders mixed sporatically from 0.5 to 10.5 ft	0		
						0.2	
4	Full (1/4)				0	0.1	
					0		
6		95%			0		
					0	0.1	
	Full (1/4)				0		
8							
						0.2	
	VOC @ 9.5ft				0		
10		95%					
				Clay @ 10.5 ft - moist just above the clay	0	0.2	
	Full (1/4)						
12							
				Refusal @ 11.6 ft	0	0.2	
16							
20							

DEPTH (FT) 11.6 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-16
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial

BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012 END DATE

DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.2	No Change
				Silt and gravel			
	Full (1/4)					0.2	
2		40%			0		
					0		
						0.3	
4	Full (1/4)				0	0.2	
				Saturated Silt @ 4 ft	0		
	VOC @ 5ft						
	Full (1/4)						
6		75%			0		
					0	0.2	
	Full (1/4)				0		
8				Refusal @ 7.1 ft			
						0.2	
					0		
10							
12							
16							
20							

DEPTH (FT) 7.1 ft

NOTES: GW @ 4ft
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-17
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
DATUM:
END DATE

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Grass	0	0.1	No Change
	VOC @ 1.5ft			Mostly silt with some gravel and trace cinders			
	TCLP 1.5 to 4					0.1	
2		95%			0		
					0		
						0.3	
4					0	0.3	
				Mostly silt with some gravel and trace cinders	0		
6		90%			0		
					0	0.2	
					0		
8				Refusal @ 7.7 ft			
						0.1	
					0		
10							
12							
16							
20							

DEPTH (FT) 7.7 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-18
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012
DATUM:
END DATE

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.1	No Change
				Silt and gravel			
						0.1	
2		80%			0		
					0		
						0.2	
4	VOC @ 4ft				0	0.2	
				Small amount of trace cinder @ 4 ft	0		
6		100%			0		
					0	0.2	
					0		
8				Refusal @ 6.4 ft		0.1	
					0		
10							
12							
16							
20							

DEPTH (FT) 6.4 ft

NOTES: No Moisture
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-19
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial

BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012 END DATE

DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.1	No Change
				Silt and gravel			
						0.1	
2		50%			0		
					0		
						0.2	
4	Full (1/4)				0	0.2	
				Clayey silt with trace cinders from 4 to 6 ft	0		
6	Full (1/4)	60%			0		
	VOC @ 6.5ft			Silt and gravel	0	0.3	
					0		
8	Full (1/4)			Silt and gravel			
						0.3	
	Full (1/4)				0		
						0.2	
10		100%		Refusal @ 9.1 ft			
12							
16							
20							

DEPTH (FT) 9.1 ft

NOTES: No moisture
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-20
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial

BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/11/2012 END DATE

DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push

DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Grass	0	0.1	No Change
				Gravel			
						0.1	
2	VOC @ 2ft	50%			0		
				Silt and stone from 1 to 9 ft	0		
						0.2	
4					0	0.2	
					0		
6		60%			0		
					0	0.1	
8				Trace cinders at approximately 9 ft	0		
						0.2	
					0		
						0.1	
10		100%		Clayey Silt @ 10 ft Refusal @ 10.5 ft			
12							
16							
20							

DEPTH (FT) 10.5 ft

NOTES: Moist @ 8 ft
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-21
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/12/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Grass	0	0.1	No Change
	Full (1/4)						
	Full (1/4)			Silt			
	Full (1/4)						
	Full (1/4)			Cinders ~ 1.5 ft		0.1	
2		50%			0		
				Misc trace cinders and silt from 2 to 6 ft	0		
						0.2	
4					0	0.2	
					0		
6		60%			0		
				Moist silt from 6 to 11.2 ft	0	0.3	
					0		
8	VOC @ 8 ft						
						0.1	
					0		
						0.1	
10		100%					
				Refusal @ 11.2 ft			
12							
16							
20							

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

DEPTH (FT) 11.2 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-22
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/12/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Concrete	0	0.1	No Change
				Silt with misc. stone			
						0.2	
2		25%			0		
					0		
						0.2	
4	VOC @ 4ft				0	0.2	
				Silt with misc. stone	0		
6	TCLP 4 to 8ft	55%			0		
					0	0.1	
					0		
8							
						0.1	
					0		
						0.2	
10		50%					
				Refusal @ 11.2 ft			
12							
16							
20							

DEPTH (FT) 11.2 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-23
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/12/2012 END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.2	No Change
				Silt and Gravel			
						0.2	
2		75%			0		
				Sand @ ~ 2.8 ft	0		
						0.2	
4					0	0.1	
				Refusal @ 3.2 ft	0		
6							
8							
10							
12							
16							
20							

DEPTH (FT) 3.2 ft

NOTES: No sample
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-24
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/12/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0	No Change
	Full (1/4)			Silt and gravel			
				Silt and trace cinders @ ~ 2ft to 8 ft		0	
2		60%			0		
					0		
	Full (1/4)					0.1	
4					0	0.2	
					0		
	Full (1/4)						
6		85%			0		
					0	0.1	
	Full (1/4)						
					0		
8	VOC @ 8 ft			Silt (moist) @ 8 ft			
						0.1	
					0		
						0.1	
10		50%		Refusal @ 8.5 ft			
12							
16							
20							

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

DEPTH (FT) 8.5 ft

NOTES:
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-25
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0	No Change
				Silt and gravel			
				Silt		0	
2		50%			0		
				Dark stained silt and gravel - PID @ ~ 3ft	1.3		
					7.8	0.2	
	Full @ 3ft				0.2		
4						0.2	
				Silt and stone	0		
6		100%			0		
					0	0.1	
8				Refusal @ 7.7 ft		0.2	
10							
12							
16							
20							

DEPTH (FT) 7.7 ft

NOTES: No GW
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LABELLA Associates, P.C.

300 STATE STREET, ROCHESTER, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

PROJECT
Edison Tech

BORING: ET-SB-26
SHEET 1 OF OF
JOB:
CHKD BY:

CONTRACTOR: LaBella
DRILLER: Trec
LABELLA REPRESENTATIVE: Jason Jaskowial
BORING LOCATION: Rochester, NY
GROUND SURFACE ELEVATION
START DATE: 12/10/2012
END DATE
DATUM:

TYPE OF DRILL RIG: Track Mount
AUGER SIZE AND TYPE:
OVERBURDEN SAMPING METHOD: Direct Push
DRIVE SAMPLER TYPE:
INSIDE DIAMETR:
OTHER:

DEPTH	SAMPLE DEPTH	SAMPLE NO. AND RECOVERY	STRATA CHANGE	VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	Radiation (uR/hr)	Gases (See notes)
0				Asphalt	0	0.1	No Change
				Silt and gravel			
				Silt		0.1	
2		50%			0		
				Dark stained silt and gravel @ ~ 3ft	0		
						0.2	
4						0.2	
				Silt and stone	0		
6		100%			0		
					0	0.1	
8				Refusal @ 8.1 ft		0.2	
10							
12							
16							
20							

DEPTH (FT) 8.1 ft

NOTES: No sample
CH4 = 0%
CO = 0 ppm
H2S = 0 ppm

WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED
DATE	TIME	ELASPED TIME			

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCURE DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE

BORING:

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

Attachment 6

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (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 certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is 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 investigative and remedial work activities. 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.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) 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 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, 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 ppm over background for the 15-minute average.

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

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/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 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/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 PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see Paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

SITE HEALTH AND SAFETY PLAN

Project Title:	Excavation & Fill Management Plan – Edison Technical School
Project Number:	
Project Location (Site):	655 Colfax Street
Project Manager:	
Team Leader	To Be Determined
Plan Approval Date:	_____
Plan Review Date:	_____
Site Safety Supervisor:	To Be Determined
Site Contact	To Be Determined
LaBella Safety Director	
Proposed Date(s) of Field Activities:	To Be Determined
Site Conditions:	Edison Technical School site at 655 Colfax Street, City of Rochester, New York (Located on a portion of the former Emerson Street Landfill)
Site Environmental Information Provided By:	Prior Environmental Guidance for Waste-Fill Management During Site Development – Former Emerson Street Landfill by H&A of New York, Inc.
Air Monitoring Provided By:	
Site Control Provided By:	

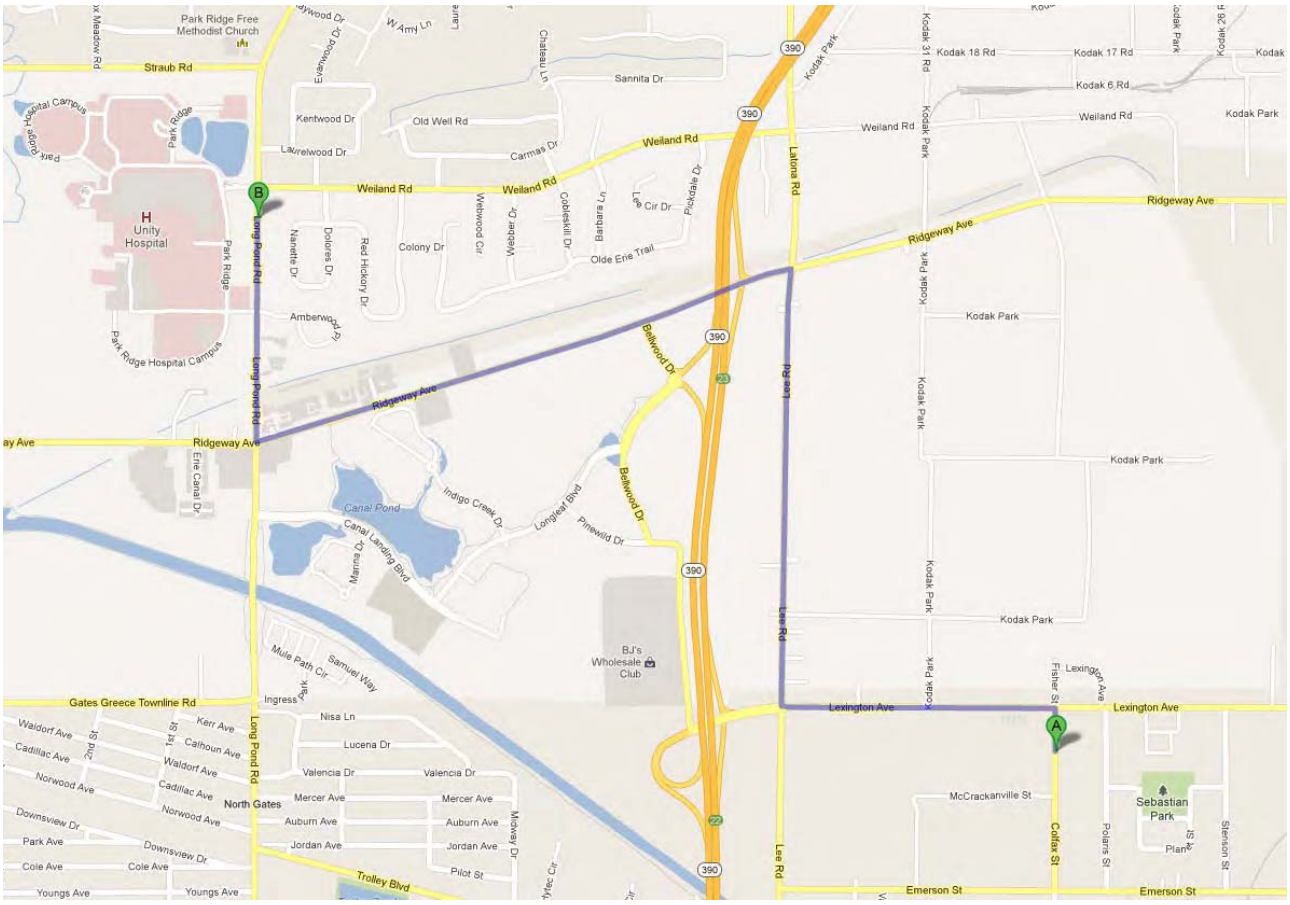
EMERGENCY CONTACTS

	Name	Phone Number
Ambulance:	As Per Emergency Service	911
Hospital Emergency:	Park Ridge Hospital	585-723-7000
Poison Control Center:	Finger Lakes Poison Control	585-275-3232
Police (local, state):	City of Rochester Police Department	911
Fire Department:	City of Rochester Fire Department	911
Site Contact:	To Be Determined	
Agency Contact:	Todd Caffoe	585-226-5350
Project Manager:		
Team Leader:	To Be Determined	
Site Safety Supervisor:	To Be Determined LaBella Associates, P.C.	Direct: 585- Cell: 585- Home: 585-
LaBella Associates Safety Director:		
City of Rochester Contact	Joseph Biondolillo	Direct: 585-482-6649 Cell: 585-314-1617
Rochester Joint Schools Construction Board	To Be Determined	Office 585- Cell: 585-

MAP AND DIRECTIONS TO THE MEDICAL FACILITY - UNITY HOSPITAL

Start: 655 Colfax Street, Rochester, New York

1. Head north on Colfax St toward Lexington Ave – <0.1 miles
2. Turn Left onto Lexington Ave – 0.5 miles
3. Turn Right onto Lee Rd – 0.9 miles
4. Turn Left onto Ridgeway Avenue – 1.1 miles
5. Turn Right onto Long Pond Rd, Unity Hospital will be on the left – 0.4 miles



LABELLA

1.0 Introduction

The purpose of this Health and Safety Plan (HASP) is it to provide guidelines for responding to potential health and safety issues that may be encountered during earthwork activities associated with the facility upgrades being completed through Facility Modernization Program (FMP) at the Edison Technical School located at 655 Colfax Street, City of Rochester, Monroe County, New York. The requirements of this HASP are applicable to all LaBella Associates personnel and their authorized visitors at the work site. This document's project specifications and air monitoring are to be consulted for guidance in preventing and quickly abating any threat to human safety or the environment. The provisions of the HASP do not replace or supersede any regulatory requirements of the United State Environmental Protection Agency (USEPA), New York State Department of Environmental Conservation (NYSDEC), and Occupational Safety and Health Administration (OSHA) or and other regulatory body.

2.0 Responsibilities

The HASP presents guidelines to minimize the risk of injury, to project personnel, and to provide rapid response in the event of injury. The LaBella Associates HASP is applicable only to activities of LaBella personnel and their authorized visitors. The LaBella Associates Project Manager shall implement the provisions of this HASP for the duration of the project. It is the responsibility of employees to follow the requirements of this HASP, and all applicable company safety procedures.

3.0 Activities Covered

The activities covered under this HASP are limited to the following:

- Excavation of soil during site grading
- Excavation of soil to accommodate foundation work area
- Environmental Monitoring;
- Collection of samples; and
- Handling of excavated soils

4.0 Work Area Access and Site Control

The contractor or LaBella will have primary responsibility for work area access and site control at 655 Colfax Street.

5.0 Potential Health and Safety Hazards

This section lists some potential health and safety hazards that project personnel may encounter at the project site and some actions to be implemented by LaBella Associates personnel to control and reduce the associated risk to health and safety. This is not intended to be a complete listing of any and all potential health and safety hazards. New or different hazards may be encountered as site environmental and site work conditions change.

The suggested actions to be taken under this plan are not to be substituted for good judgment on the part of project personnel. At all times the Site Safety Officer has responsibility for site safety and his or her instructions must be followed.

5.1 Hazards Due to Heavy Machinery

Potential Hazard:
Heavy machinery including trucks, excavators, backhoes, etc will be in operation at the site. The presence of such equipment presents the danger of being struck or crushed. Use caution when working near heavy machinery.

Protective Action:
Make sure that operators are aware of your activities, and heed operator's instructions and warnings. Wear bright colored clothing and walk safe distances from heavy equipment. A safety orange vest, hard hat, and steel toe shoes are required.

5.2 Excavation Hazards

Potential Hazard:
Excavations and trenches can collapse, causing injury or death. Edges of excavation can be unstable and collapse. Toxic and asphyxiant gases can accumulate in confined spaces and trenches.

Protective Action:
LaBella Associates personnel are not to enter excavations over four (4) feet in depth unless excavations are adequately sloped. LaBella Associates personnel must receive approval from the LaBella Project Manager to enter an excavation for any reason. Subsequently, LaBella personnel are to receive authorization for entry from the Site Safety Officer.

LaBella Associates personnel should exercise caution near all excavations at the site as it is expected that excavation sidewalls will be unstable.

5.3 Cuts, Punctures and Other Injuries

Potential Hazard:
In any excavation or construction work site there is the potential for the presence of sharp or jagged edges on rock, metal materials, and other sharp objects. Serious cuts and punctures can result in loss of blood and infection.

Protective Action:
The LaBella Associates Project Manager is responsible for making First Aid supplies available at the work site to treat minor injuries. The First Aid supplies will be kept on-Site with the Site Safety Officer. The Site Safety Officer is responsible for arranging the transportation of authorized on-site personnel to medical facilities when First Aid treatment in not sufficient. Do not move seriously injured workers. All injuries requiring treatment are to be reported to the LaBella Project Manager. Serious injuries are to be reported immediately.

5.4 Injury Due to Exposure to Chemical Hazards

Potential Hazards:
Volatile and semi-volatile vapors from landfilled materials (methane and or hydrogen sulfide), petroleum products or other chemicals may be encountered during excavation activities at the project work site. Inhalation of high concentrations of petroleum vapors can cause headache, stupor, drowsiness, confusion and other health effects. Skin contact with petroleum vapors can cause irritation, chemical burn, or dermatitis. Inhalation of high concentrations of methane can cause headache or dizziness, and eventually death through asphyxiation. Exposure to high concentrations of hydrogen sulfide can cause eye irritation, respiratory irritation, apnea, coma, convulsions, tears, dizziness, photophobia, headache, weakness, and irritability.

Protective Action:
The presence of petroleum vapors and hydrogen sulfide may be detected by monitoring instrumentation. LaBella Associates employees will not work in environments where hazardous concentrations of chemical vapors are present. Air monitoring performed by LaBella Associates (see Section 8.0) of the work area will be performed at least every 30 minutes or more often using a RAE Multi-RAE Plus multi-gas monitor. See table in Section 8 for Action Levels.

5.5 Injury Due to Explosion of Landfill Gas

Potential Hazards:
Landfill gas (methane) has a lower explosive limit (LEL) 5%. Above the LEL, there is the potential for explosion.

Protective Action:
The presence of methane may be detected by monitoring instrumentation. LaBella Associates employees will not work in environments where explosive concentrations of methane are present. Air monitoring performed by LaBella Associates (see Section 8.0) of the work area will be performed at least every 30 minutes or more often using the RAE Multi-RAE Plus multi-gas monitor. LaBella Associates personnel are to leave the work area whenever the level of combustible gas exceeds ten percent of LEL, (for methane, 0.5%, or 5000 ppm, for hydrogen sulfide, 0.4%, or 4000 ppm).

5.6 Injury Due to Exposure to Radiation Hazards

Potential Hazards:
During ground intrusive activities (e.g., test pitting or drilling), radioactive material could be encountered and pose an exposure risk to humans once encountered.

Protective Action:
The soil/fill material will be periodically screened with the Ludlum meter to check the level of radiation on the soil as compared to the Site background level of radiation. Should the level of radiation on the soil sample exceed 2 times the Site background level, then work should be halted at the specified location and Mr. Rick Rote of LaBella Associates, P.C. should be contacted immediately (see page ii Emergency Contacts).

6.0 Decontamination Procedures

Upon leaving the work area, LaBella Associates personnel shall decontaminate footwear as needed. Under normal work conditions detailed personal decontamination procedures will not be necessary. Work clothing may become contaminated in the event of an unexpected splash or spill or contact with a contaminated substance. Minor splashes on clothing and footwear can be rinsed with clean water. Heavily contaminated clothing should be removed if it cannot be rinsed with water. LaBella Associates personnel should be prepared with a change of clothing whenever on site.

LaBella will use the contractor's disposal container for disposal of PPE.

7.0 Personal Protective Equipment

Conditions requiring a level of protection greater than Level D may be encountered at this work site. Typical safety equipment identified in company safety and health procedures is required, i.e., hard hat, safety glasses, orange vest, rubber nitrile sampling gloves, splash resistant coveralls, construction grade boots, etc. Modified Level D PPE includes a half-face respirator equipped with organic vapor cartridges. Additional site-specific personal protective equipment is not necessary when working under the conditions of this plan.

8.0 Air Monitoring

The LaBella Associates representative/Environmental Monitor will utilize a RAE Multi-RAE Plus multi-gas monitor and a DusTrak Aerosol meter to screen the ambient air in the work areas (soil excavation areas, soil staging, and soil grading areas) for Oxygen, LEL, Hydrogen Sulfide, total VOCs, and dust levels. Work area ambient air will generally be monitored downwind of the soil sampling, excavation or earthwork area in the general breathing zone.

Air monitoring of the work areas will be performed at least every 30 minutes or more often using both PID and a DusTrak meters. LaBella Associates personnel are to leave the work area whenever VOC measurements of ambient air exceed 25-ppm consistently for a 5 minute period, whenever the level of combustible gas exceeds ten percent of LEL, (for methane, 0.5%, or 5000 ppm), whenever Oxygen is reduced below 19.5%, and/or if the aerosol levels exceeds 0.100 mg/m^3 above site background levels.

Monitor	Action Level	Response
LEL	4 %	Evacuate
Hydrogen Sulfide	20 ppm	Evacuate
Oxygen	Below 19.5%	Evacuate
VOCs	25 to 50 ppm	Evacuate, Modified Level D PPE
VOCs	50 ppm	Evacuate
Dust	0.100 mg/m^3	Evacuate, Modified Level D PPE
Radiation	2x background	Evacuate

LaBella personnel may re-enter the work areas wearing a ½ face respirator with organic vapor cartridges for an 8-hour duration when volatile organic vapor concentrations average between 25 to 50-ppm. Organic vapor cartridges are to be changed after each 8-hour of use. If PID readings are sustained at levels above 50-ppm for a 60 minute average, work will be stopped immediately until safe levels of volatile organic vapors are encountered.

At all times, the Site Safety Officer has authority over actions of LaBella Associates personnel and their guests at the site and his or her requests for evacuation are to be heeded without delay. Skin and clothing should be rinsed with clean water if chemical exposure has occurred as a result of splash or spill. Contaminated clothing must be removed; LaBella personnel should bring a change of clothes to the site. Water repellant suits will be provided to help prevent contamination of clothing. Medical attention should be provided if skin irritation has occurred. .

9.0 Emergency Action Plan

In the event of an emergency, employees are to turn off and shut down all powered equipment and leave the work areas immediately. Employees are to walk or drive out of the Site as quickly as possible and wait at the assigned 'safe area', which will be designated by the Site Safety Officer prior to beginning work at the Site. Follow the instructions of the Site Safety Officer.

LaBella Associates employees are not authorized or trained to provide rescue and medical efforts. Rescue and medical efforts will be provided by local authorities.

10.0 Medical Surveillance

LaBella Associates will provide medical surveillance to all LaBella employees who are injured due to overexposure from an emergency incident involving hazardous substances at this site.

11.0 Employee Training

LaBella personnel who are not familiar with this site plan will receive training on its entire content and organization before working at the Site.

Site Health and Safety Plan

Location:

Edison Technical School
655 Colfax Street
Rochester, New York

Prepared For:

Rochester Joint Schools Construction Board
Rochester, New York 14614

LaBella Project No. 212029

February 2013

Site Health and Safety Plan

Location:

Edison Technical School
655 Colfax Street
Rochester, New York

Prepared For:

Rochester Joint Schools Construction Board
Rochester, New York 14614

LaBella Project No. 212029

February 2013

LaBella Associates, P.C.
300 State Street
Rochester, New York 14614

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TABLE

Table 1
Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(c)(d)	TLV-TWA (ppm)(c)(d)	LEL (%)(e)	UEL (%)(f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Landfill Gases								
Methane			5.0	15.0				12.98
Hydrogen Sulfide	20	10	4.0	44	100	Rotten Eggs	0.0005	10.46
Petroleum-related Volatile Organic Compounds								
Gasoline		300	1.4	7.6				
Benzene	1	0.5	1.3	7.9	500	Aromatic		
Toluene	200	50	0.9	9.5	500	Sweet	2.1	8.82
Ethylbenzene	100	100	1.0	6.7	800	Aromatic		
Xylenes (m, o, & p)	100	100	1.1	7	900	Aromatic	1.1	8.56
Isopropylbenzene	50	50	0.9	6.5	900			
n-Propylbenzene			0.8	6.0				
1,3,5-Trimethylbenzene	NA	25	0.9	6.4		Aromatic		
tert-Butylbenzene			0.7	5.7				
1,2,4-Trimethylbenzene	NA	25	0.9	6.4		Aromatic		
sec-Butylbenzene			0.8	6.9				
p-Isopropyltoluene								
n-Butylbenzene			0.8	5.8				
Naphthalene	15	10	0.9	5.9	250	Mothballs	0.3	8.12
Methyl tert-Butyl Ether		50						
Petroleum-related Semi-Volatile Organic Compounds								
Coal Tar Pitch Volatiles	0.2-mg/m^3	0.2-mg/m^3	1.3	10	80-mg/m^3	Aromatic		
Diesel Fuel		100-mg/m^3						
Anthracene	0.2-mg/m^3							
Acenaphthene								
Acenaphthylene								
Benzo(a)anthracene								
Benzo(b)fluoranthene								
Benzo(k)fluoranthene								
Benzo(g,h,i)perylene								
Benzo(a)pyrene	0.2-mg/m^3							
Chrysene	0.2-mg/m^3		NA	NA				
Dibenz(a,h)anthracene								
Fluoranthene								
Fluorene	0.1-mg/m^3	1			25-mg/m^3			
Indeno(1,2,3-cd)pyrene		65						
Phenanthrene	0.2-mg/m^3				80-mg/m^3			
Pyrene								

Table 1 (continued)

Exposure Limits and Recognition Qualities

Compound	PEL-TWA (ppm)(c)(d)	TLV-TWA (ppm)(c)(d)	LEL (%)(e)	UEL (%)(f)	IDLH (ppm)(g)(d)	Odor	Odor Threshold (ppm)	Ionization Potential
Resource Conservation and Recovery Act (RCRA) Metals								
Arsenic	0.01	0.2	NA	NA	5-mg/m^3, Ca	Almond		NA
Barium	0.5	0.5	NA	NA	50-mg/m^3			NA
Cadmium	0.2	0.5	NA	NA	9-mg/m^3	Odorless	Not Applicable	NA
Chromium	1	0.5	NA	NA	250-mg/m^3	Odorless	Not Applicable	NA
Lead	0.05	0.015	NA	NA	100-mg/m^3	Odorless	Not Applicable	NA
Mercury	0.1-mg/m^3	0.025-mg/m^3	NA	NA	10-mg/m^3	Odorless	Not Applicable	NA
Selenium	0.2	0.2	NA	NA	1-mg/m^3	Odorless	Not Applicable	NA
Silver	0.01	0.1	NA	NA	10-mg/m^3	Odorless	Not Applicable	NA
Pesticides								
Aldrin	0.25-mg/m^3		NA	NA	25-mg/m^3	Chemical		
BHC	0.5-mg/m^3		NA	NA	50-mg/m^3	Musty		
Chlordane	0.5-mg/m^3	0.5-mg/m^3			500-mg/m^3	Chlorine-like		
4,4'-DDD								
4,4'-DDE								
4,4'-DDT	1-mg/m^3	1-mg/m^3	Unknown	Unknown	500-mg/m^3	Aromatic		
Dieldrin	0.25-mg/m^3	0.25-mg/m^3			50-mg/m^3	Chemical		
Endosulfan I	NA		NA	NA				
Endosulfan II								
Endosulfan Sulfate								
Endrin	0.1-mg/m^3	0.1-mg/m^3	NA	NA	2-mg/m^3	Chemical		
Endrin Aldehyde								
Heptachlor	0.5-mg/m^3	0.5-mg/m^3			35-mg/m^3	Camphor-like		
Heptachlor Epoxide		0.5-mg/m^3						
Methoxychlor	15-mg/m^3	10-mg/m^3	Unknown	Unknown	5,000-mg/m^3	Fruity		
Toxaphene	0.5-mg/m^3	0.5-mg/m^3				Pleasant-piney		
Chlorinated Solvents								
PCE	100		NA	NA	150	Chloroform	Not Listed	9.32
TCE	100		8	10.5	1,000	Chloroform	Not Listed	9.45
1,2-DCE	200		5.6	12.8	1,000	Chloroform	Not Listed	9.65
1,1-DCE	Not Listed		6.5	15.5	Not Listed	Chloroform	Not Listed	10.00
VC	1		3.6	33.0	Not Listed	Pleasant	Not Listed	9.99

(a) Skin = Skin Absorption
(b) OSHA-PEL Permissible Exposure Limit (flame weighted average, 8-hour): NIOSH Guide, June 1990
(c) ACGIH – 8 hour time weighted average from Threshold Limit Values and Biological Exposure Indices for 2003.
(d) Metal compounds in mg/m^3
(e) Lower Explosive Limit (%)
(f) Upper Explosive Limit (%)
(g) Immediately Dangerous to Life or Health Level: NIOSH Guide, June 1990.

Notes:
1. All values are given in parts per million (PPM) unless otherwise indicated.
2. Ca = Possible Human Carcinogen, no IDLH information.