SITE CHARACTERIZATION REPORT

Former Lehigh Valley Railroad Roundhouse
Site # 835018
Village of Manchester, Ontario County

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1.0 EXECUTIVE SUMMARY

The Former Lehigh Valley Railroad Roundhouse site is located on Merrick Circle in the Village of Manchester, Ontario County. This area is moderately developed with light industrial and residential uses. The surrounding property to the north is vacant undeveloped land. Properties to the east are predominantly residential. The adjoining property to the west is a manufacturer of insulated glass. Railroad tracks and undeveloped land border the site to the south. The subject site is generally flat. There are no known private or public water supply wells nearby.

The site was formerly owned and operated by the Lehigh Valley Railroad (LVRR) for the maintenance and repair of railroad cars and engines. The LVRR first arrived in Manchester in 1892. The existing roundhouse structure was built in 1916 and regular operations ceased at the LVRR Roundhouse site in 1970. Past operations of potential environmental concern identified at the site included the servicing of diesel engines and the use of petroleum storage and filling areas.

From 2003-2005, New York State Department of Environmental Conservation (DEC) performed a Site Characterization at the site. Samples were collected from 20 passive soil gas locations, 29 soil borings, 9 monitoring wells, and 1 surface water location. The results of the DEC investigation indicate widespread volatile organic compound (VOC), semivolatile organic compound (SVOC), and total petroleum hydrocarbon (TPH) contamination in subsurface soils, and to a lesser extent in groundwater at the site. VOCs were detected at total concentrations of up to 1,609 parts per million (ppm) in soil samples and up to 1.1 ppm in groundwater samples collected at the site. SVOCs were detected at total concentrations of up to 1,318 ppm in soil samples and up to 1.7 ppm in groundwater samples collected at the site. Several inches of free product fuel oil/diesel fuel has been identified on top of groundwater in the central area of the site (MW-3) near a former railcar turntable unit. While off-site migration through groundwater appears to be limited, storm sewers appear to be acting as a pathway for site-related contamination to reach Canandaigua Outlet.

The results of the Site Characterization indicate that the listing of this site in the New York State Registry of Inactive Hazardous Waste Disposal Sites is not appropriate at this time. Removal of existing petroleum storage tanks and prevention of off-site migration via storm sewers should be undertaken in the near future. A Remedial Investigation to fully define the nature and extent of contamination at the site and gather data necessary to evaluate remedial alternatives is appropriate. DEC will work with Ontario County and any other interested parties, as well as evaluate the use of Spill Fund monies, to perform additional investigation and remediation activities at the site.

2.0 SITE DESCRIPTION AND HISTORY

The former Lehigh Valley Railroad (LVRR) Roundhouse site is located on Merrick Circle in a light industrial/residential area of the Village of Manchester, Ontario County (see Figure 1). The site is comprised of two tax parcels of land totaling approximately 5.6 acres (see Figure 2). The larger 4.3 acre northern parcel contains the roundhouse structure, which is a horse shoe-shaped building with a footprint of approximately 44,000 square feet. A 3,000 square foot building adjoins the northern end of the roundhouse structure. The 1.3 acre southern parcel contains the former "Oil House" building, which has a footprint of approximately 3,600 square feet, and a smaller outbuilding with a footprint of approximately 1,500 square feet. The concrete foundation of a former water conditioning tank for steam engines is located adjacent to this outbuilding. The remainder of both parcels consist largely of overgrown unpaved land and abandoned railroad tracks and appurtenances.

The site was formerly owned and operated by the LVRR for the maintenance and repair of railroad cars and engines. Historical information regarding operations of the LVRR at this site was obtained from the following sources:

- Archer, Robert F. - *A History of the Lehigh Valley Railroad - The Route of the Black Diamond*, Heimburger House, 1977.
- Dann, Mary H. - *Upstate Odyssey - The Lehigh Valley Railroad in Western NY*, Railroad Research Publications, 1997.
- Lehigh Valley Railroad Historical Society, http://www.lvrrhs.org/index.htm
- Marcham, David - *Lehigh Valley Memories - A Tour of the Lehigh Valley Railroad in New York's Finger Lakes Region, 1941-1959*, DeWitt Historical Society of Tompkins County, 1998.
- Munn, Tim and Vitticore, Matt - *Images of America - Ontario County - The Golden Age of Railroads and Baseball*, Arcadia Publishing, 1999.

The LVRR first arrived in Manchester in 1892. The first roundhouse was built in 1892, apparently in the location of the existing structure, and subsequently burned to the ground. The existing roundhouse structure was built in 1916 and was the last of three that were built in Manchester. Around 1938, diesel locomotives had come into regular use and began to replace the older steam engines. The last steam operation was in 1951. Regular operations ceased at the LVRR Roundhouse site in 1970.

Specific areas of environmental concern that were identified through a review of historic information and during site inspections include the following:

- Several maintenance pits were present within the bays of the roundhouse structure where engine fluids and cleaning solvents may have routinely been spilled and had the potential to leak into the subsurface. These pits are no longer visible as the building floor has been resurfaced;

- A former railcar turntable unit is located outside the roundhouse structure, in the center of the horseshoe area, and its former operation likely involved significant quantities of petroleum lubricants that could have leaked into the subsurface.
- Three petroleum storage tanks with capacities of approximately 750 gallons, 6,000 gallons, and 8,000 gallons are present in the basement of the former Oil House building and are partially submerged under about two to three feet of standing water;
- Six concrete cradles, typically used to support aboveground storage tanks, are present southwest of the former Oil House building;
- Locomotive fueling (diesel after 1938) and sanding operations occurred at the site.

Subsequent to the shutdown of the facility, ownership of the northern Roundhouse parcel was acquired by the Springbrook Grain Company, which reportedly used the site for general storage purposes, including 55-gallon drums of tomato products (several empty drums labeled as such have been noted at the site). It was also temporarily used as a recycling center by Ontario County in the 1990s. Springbrook Grain Co. remains the owner of record but is in tax default status. This parcel is currently unoccupied. The smaller southern parcel was acquired by R.B. Crowell and Son, Inc. after railroad operations ceased in the 1970s and it was reportedly used for grain storage. It is also in tax default status and currently unoccupied.

A limited environmental investigation was performed at the site in 1998 on behalf of an adjacent property owner. The investigation consisted of five test pits that were excavated adjacent to the north and south of the roundhouse structure. Petroleum contamination was identified in two of the test pits located south of the roundhouse. This information is documented in a September 17, 1998 letter-report prepared by Buck Engineering. Spill No. 9807315 was generated for the site as a result of this investigation. No other environmental investigations are known to have been performed on the LVRR Roundhouse site.

In 2000, a Phase II Environmental Investigation was performed at the adjacent Rochester Insulated Glass property. As part of this investigation, several groundwater monitoring wells were installed adjacent to the western and southwestern property boundaries of the LVRR Roundhouse site. Three of these wells (SBG-3, SBG-5, and SBG-6) were identified and used during the Site Characterization investigation discussed in this report. Three other reported adjacent wells (SBG-1, SBG-2, and SBG-4) could not be found for use during this investigation. The locations of the existing and former monitoring wells adjacent to the LVRR site are shown on Figure 2. The Phase II investigation performed in 2000 identified petroleum contamination indicative of fuel oil in locations SBG-3, SBG-5, and SBG-6. The results of this previous investigation are documented in an October 2000 Phase II Environmental Investigation Report prepared by Sear Brown.

3.0 PURPOSE

The purpose of this Site Characterization (SC) was to obtain preliminary information regarding environmental contamination at the site. Specific objectives for this investigation were to:

- Perform a preliminary evaluation of environmental conditions at the site;
- Perform a preliminary assessment of the impact of the former LVRR operations on environmental quality at the site;
- Determine if this site should be listed in the NYS Registry of Inactive Hazardous Waste Disposal Sites; and
- Assess the appropriateness of further investigatory or remedial work.

3.1 Potential Sources of Contamination

Based on site history and visual observations, many areas of the site had the potential to contain sources of contamination. Particular areas of concern included:

- Former railcar servicing pits within the roundhouse building;
- The subsurface turntable structure;
- The existing petroleum storage tanks in the basement of the Oil House building;
- Former aboveground petroleum storage tanks indicated by the presence of concrete tank cradles;
- Former diesel fueling and sanding areas;
- Underground petroleum piping associated with the storage tanks and filling areas; and
- A concrete vault, for which the former use is unknown, located south of the western end of the roundhouse structure.

Sample locations were selected to evaluate the potential for these areas to be actual sources of contamination.

3.2 The NYS Registry of Inactive Hazardous Waste Disposal Sites

The New York State Department of Environmental Conservation is charged by ECL Section 27-1305 with maintaining a list of inactive hazardous waste disposal sites in a statewide Registry and updating it on an annual basis. The Division of Environmental Remediation (DER) is responsible for listing all sites in the Registry where it believes there is confirmed disposal of a consequential amount of waste which conform with the characteristics of a hazardous waste (as defined in 6 NYCRR Part 371.3) or listed hazardous wastes (as defined in 6 NYCRR Part 371.4). The results of this site characterization were evaluated to help determine if the disposal of a consequential amount of hazardous waste has occurred at the former Lehigh Valley Railroad Roundhouse site.

4.0 SCOPE OF WORK

The scope of work for this Site Characterization included the following tasks:

- Determine the extent of subsurface petroleum piping and the location of former fueling areas;
- Evaluate the potential for the concrete vault located south of the western end of the roundhouse structure to be a source of contamination;
- Complete a passive soil gas survey to identify additional potential source areas;
- Complete soil borings to collect and analyze soil samples as well as evaluate physical properties of soil and geologic conditions; and
- Install groundwater monitoring wells to collect and analyze groundwater samples as well as evaluate hydrogeologic conditions.

Prior to invasive fieldwork, an Underground Facilities Protective Organization (UFPO) stakeout was performed to document the position of underground public utilities at the site.

Details of the specific procedures used in performing each task are presented in the following sections.

4.1 Subsurface Piping/Fueling Area Evaluation

Subsurface piping, which appears to have been used to convey petroleum products, is evident at the site. Four exposed pipe ends were present at the ground surface adjacent to the tank cradles during preliminary site inspections. In addition, four sets of similar pipes were noted to protrude out of the southern basement wall of the Oil House building and extend into the adjacent ground surface. In August 2003, DEC personnel attempted to determine the extent of subsurface piping present at the site using an EM-31 Terrain Conductivity meter. However, this method proved unsuccessful due to widespread interference from miscellaneous buried metallic objects that are present throughout the site.

On September 10 and September 11, 2003, a rubber tire backhoe was used to excavate soils over subsurface piping lines that were evident at the ground surface in connection with the former Oil House building and tank cradles. Prior to beginning the excavation work, a total of 5 gallons of a mixture of petroleum and water was pumped out of the exposed ends of the piping near the tank cradles and was subsequently transported off-site for proper disposal.

The configuration of subsurface petroleum piping identified at the site though this task is shown on Figure 2. The four pipe ends near the tank cradles were determined to connect to two sets of pipes that lead into the basement of the Oil House building. Two other sets of pipes lead out of the basement of the Oil House building and extend to apparent former fueling areas to the northwest and southeast of the building (see Figure 2). Due to the presence of approximately three feet of standing water in the basement of this building, connection of this piping to the tanks that are present in the basement could not be confirmed. However, it appears that the former tanks that were present on the cradles were used to supplement the storage tanks in the basement for use in fueling diesel locomotives. The fueling area southeast of the building also appears to be the location of former

locomotive sanding operations based on the presence of well-sorted fine-grained sand at the ground surface. All exposed subsurface piping was covered with excavated soils and remains in place at the site.

4.2 Concrete Vault Evaluation

A concrete vault measuring approximately 13 feet by 15 feet is present on the northern roundhouse parcel, just south of the western end of the roundhouse structure (see Figure 2) and protrudes approximately 3 feet above the ground surface. The former use of this concrete vault could not be determined through the review of readily available historic information as described in Section 2.

On September 10, 2003, an attempt was made to remove the concrete lid of the vault using a backhoe. The edges of the lid were approximately four inches thick. However, it was determined that the majority of the lid has a thickness of 10 inches and the four inch thickness was only present along outer edges of the lid that rest on the vault walls. The lid was, therefore, much heavier than anticipated and was not able to be removed with the backhoe that was available at that time. Instead, a hammer drill was used to create 1.25-inch diameter holes in three locations through the walls and lid of the vault. The vault appears to filled with soil to the ground surface. No odors were noted upon drilling through the vault. A calibrated photoionization detector (PID) capable of detecting volatile organic vapors was placed in the drilled holes of the vault and no readings above background were recorded. Although the former use of this vault could not be determined at this time, there is no evidence that it represents a significant environmental concern based on the evaluation that was performed.

4.3 Passive Soil Gas Survey

A passive soil gas survey was completed at the site in September 2003. The purpose of this survey was to identify the presence, identity, and relative quantity of volatile compounds in shallow soil gas at the site. The data were used as a screening tool to identify potential source areas of contamination to be targeted for conventional soil and groundwater sampling.

The sampling was completed using an EMFLUX® Field Kit to deploy passive soil gas collectors at 20 locations spread throughout the site. These locations are shown on Figure 2 and in Appendix A, EMFLUX® Passive Soil-Gas Survey Report. The collectors were deployed on September 10, 2003 and retrieved on September 26, 2003, in accordance with the EMFLUX® Timing Model. The collectors were returned to BEACON Environmental Services, Inc. laboratory for analysis of nine individual volatile compounds that are commonly associated with petroleum products and industrial solvents, as well as Total Petroleum Hydrocarbons (TPH).

Petroleum compounds, such as benzene, toluene, ethylbenzene, and xylenes (BTEX) or TPH were detected in all 20 locations. Maps showing the distribution of total BTEX and TPH levels in shallow soil gas are provided in Appendix A, Figures 3 and 4, respectively. The highest levels were detected in and around the roundhouse structure.

Solvent compounds were detected in 10 of 20 locations. The solvent compound that was detected at highest levels was tetrachloroethene (PCE). Other solvent compounds identified in soil gas at the

site (trichloroethene (TCE) and 1,2-dichloroethene (DCE)) are commonly present as breakdown products of PCE. A map showing the distribution of PCE in soil gas is provided in Appendix A, Figure 2. The highest levels were detected under the central portion of the roundhouse structure (locations SG-2 and SG-3).

It should be noted that soil gas tends to reach equilibrium beneath an impermeable cap, such as a building floor, whereas it tends to attenuate more rapidly to the atmosphere in uncovered areas. Thus, higher soil gas levels may be expected under and around buildings.

4.4 Soil Borings, Sampling, and Analysis

Soil borings were utilized for this project to identify areas of contamination and evaluate the overburden materials. Specifically, the objectives of the soil borings were to:

- Obtain data concerning overburden contamination;
- Characterize the overburden material with respect to textural classifications; and
- Determine if there is a water bearing zone in the overburden.

A total of 20 soil borings were initially completed during this investigation between the dates of July 1 and July 12, 2004. Soil boring locations were initially selected based on:

- Locations of potential source areas, including petroleum storage and filling locations, former servicing pits within the building, and the turntable unit;
- Results of the Passive Soil Gas Survey;
- General site coverage; and
- Physical limitations such as the results of the UFPO stakeout and spatial limitations within the roundhouse building.

The initial soil boring locations are identified on Figure 2 as SB-1 through SB-5, GP-6, GP-7, SB-8, SB-9, SB-10, and GP-11 through GP-20. Soil borings with an SB designation were completed with a conventional drill rig, either for the purpose of installing groundwater monitoring wells or due to difficulties with subsurface obstructions such as the roundhouse floor. Soil boring locations with a GP designation were completed with a direct push Geoprobe® unit. The drill rig equipment was decontaminated by steam cleaning prior to each soil boring. The Geoprobe® equipment was decontaminated by three stage wash/rinse using Alconox detergent prior to each soil boring. Each soil boring extended to refusal, typically the bedrock surface, which was encountered at depths ranging from 6.5 feet below grade (SB-1) to 21.5 feet below grade (SB-5).

Nine supplemental soil borings (GP-21 through GP-29) were completed on November 29, 2005. Supplemental soil borings GP-21 through GP-26 were located in the vicinity of previously completed boring SB-9 to help determine if a source of chlorinated solvent material may be present in this area of the site. Possible solvent-like odors had been noted in soils extracted from boring SB-9 and low-levels of solvent compounds were detected in soil and groundwater samples from this location. Soil borings GP-21 through GP-24 were also located within an area containing circular impressions in the asphalt floor of the building that appear to have been caused by past storage of 55-gallon drums. Supplemental soil borings GP-27 through GP-29 were located in the vicinity of

previously completed boring SB-3 to help identify the extensiveness of free product petroleum that exists in this area of the site.

A qualified geologist described and logged the extracted subsurface soil materials from each split spoon (drill rig) or macro-core tube (Geoprobe® unit) with respect to their geologic character, features, and properties. Specific information provided on the logs include:

- A description of the soil using the Unified Soil Classification System (USCS);
- The number of blows required to advance the split spoon sampler each 6 inch interval when driven with a 140-lb. hammer falling freely over a 30 inch fall (where applicable); and
- PID screening results of soils recovered from each split spoon or macro-core tube.

In general, the stratigraphy encountered in soil borings at the site consisted of two to six feet of fill material (gravel, sand, cinders, ash) overlying native soils comprised primarily of sand, silt, and clay. Detailed descriptions of the stratigraphy encountered in each soil boring are included on the Soil Boring Logs in Appendix B. Wet to saturated soils, indicative of groundwater, were generally encountered at depths of six to ten feet below grade. Visual evidence of free phase petroleum product was present in soil borings SB-3 (8' - 10'), GP-16 (2' - 4'), and GP-27 (8' - 10').

Extracted soils were continuously screened for the presence of volatile organic vapors using a calibrated photoionization detector (PID). Specifically, portions of soil in each core were collected and placed in a dedicated resealable plastic bag. The vapors that accumulated within the headspace of the plastic bag were screened for the presence of VOCs using the PID. Results of the PID screening and visual classification of soils are included on the Soil Boring Logs in Appendix B.

For each soil boring, samples of soils exhibiting the highest PID reading were selected for laboratory analyses, except at supplemental soil borings GP-21, GP-22, GP-24, and GP-26, where no laboratory samples were collected due to the lack of evidence of contamination and the close proximity to adjacent sample locations. A total of 25 subsurface soil samples were collected for the following analyses:

- Seven soil samples (SB-1 through SB-5, SB-9, and GP-16) were submitted for analysis of full Target Compound List (TCL) organics (including VOCs, SVOCs, pesticides, and PCBs) and Target Analyte List (TAL) inorganics;
- Two subsurface soil samples (GP-23 and GP-25) were submitted for analysis of TCL VOCs only; and
- The remaining 16 subsurface soil samples were submitted for analysis of TCL VOCs and SVOCs.

Soil samples collected from the borings were placed into laboratory supplied containers, labeled, and placed into a chilled cooler. The samples selected for analysis were delivered to Severn Trent Laboratories, Inc. (STL), Buffalo, New York.

4.5 Monitoring Well Installation, Sampling, and Analysis

The monitoring well program implemented during this project was designed to evaluate groundwater quality and assist in the evaluation of hydrogeologic properties, including the direction of groundwater flow. Three existing one-inch diameter groundwater monitoring wells that are present

on immediately adjacent property to the west and southwest of the LVRR Roundhouse parcels were used during this project. These wells are identified on Figure 2 as SBG-3, SBG-5, and SBG-6.

4.5.1 Monitoring Well Installation

A total of six monitoring wells were installed during this project on the LVRR Roundhouse parcels. One assumed upgradient monitoring well, MW-1, was installed on the northern side of the roundhouse building. Wells MW-2 and MW-6 were installed inside the roundhouse building. Well MW-3 was installed in the vicinity of the former turntable unit, in an assumed downgradient location of the roundhouse building. Wells MW-4 and MW-5 were installed on southern portions of the site, also assumed to be downgradient of the roundhouse building. In addition, the wells were positioned to allow development of groundwater flow contours for the site. Monitoring well locations are shown on Figure 2.

The locations of monitoring wells MW-1 through MW-5 were pre-selected based on historical information, results of the soil gas survey, and the assumed southwesterly direction of groundwater flow. These wells were installed in corresponding soil borings SB-1 through SB-5, with supplemental bedrock coring where applicable as detailed below.

Soil borings intended for monitoring wells were advanced with 4-1/4-inch inside diameter (I.D.) hollow stem augers. Continuous 2-foot split spoon soil samples were collected to refusal at each of the monitoring well locations as described in section 4.3. Auger refusal occurred at the top of the bedrock surface in each of these borings, which varied from 6.5 feet below grade at MW-1 to 21.5 feet below grade at MW-5.

Due to the shallow depth to bedrock in the locations of monitoring wells MW-1, MW-2, and MW-4 bedrock was cored to the depth necessary to install a 10-foot length of well screen straddling the water table. The bedrock was cored for total lengths of 7.0 feet, 3.7 feet, and 5.5 feet in the locations of monitoring wells MW-1, MW-2, and MW-4, respectively. The extracted subsurface bedrock cores were described and logged by qualified geologist with respect to their geologic character, features, and properties. The carbonate bedrock generally exhibited multiple horizontal fractures and bedding planes. This information is included on the Soil Boring Logs in Appendix B.

Monitoring well MW-6 was installed in the location of soil boring SB-9 based on field evidence of contamination noted during this boring, including possible solvent-like odors. This well location is also situated just south of circular impressions noted in the asphalt floor in this area of the building that appear to have been caused by past storage of 55-gallon drums. Because this soil boring location was not initially intended to be converted to a monitoring well, installation of only a one-inch diameter well in the overburden was completed.

Each monitoring well was constructed with a 10-foot length of one-inch (MW-6) or two-inch (MW-1 through MW-5), 10 slot, schedule 40 PVC well screen and corresponding schedule 40 PVC riser to the ground surface. Monitoring well screens were installed to depths of 11.5 feet (MW-6), 12.5 feet (MW-4), 13 feet (MW-3), and 14 feet below grade (MW-2, MW-4 and MW-5). The annulus between the well materials and the surrounding soils was filled with #0 silica filter sand pack to one-half foot above the well screens with a bentonite seal (minimum one-foot thick) and grout to the ground surface. The monitoring wells were finished with a lockable stick-up protective steel casing (MW-1, MW-3, MW-4, and MW-5) or with a lockable cap within a flush-mounted steel curb box

(MW-2 and MW-6). Monitoring well construction details are summarized on the Soil Boring Logs provided in Appendix B.

4.5.2 Monitoring Well Development

Following installation, each well was developed by hand bailing until field parameters (temperature, conductivity, pH, and turbidity) were relatively stable. The total volume of water removed during bailing of each well was approximately 100 gallons from MW-1, 30 gallons from MW-2, 52 gallons from MW-3, 55 gallons from MW-4, 25 gallons from MW-5, and 3 gallons from MW-6 (due to very slow recharge in this one-inch overburden well). Following development, the wells were allowed to stabilize for a period of two weeks prior to collecting groundwater samples.

4.5.3 Monitoring Well and Surface Water Sampling

On July 27, 2004, static water levels were measured in each of the six newly installed monitoring wells at the LVRR Roundhouse site and in the three existing monitoring wells on the adjacent property in reference to the surveyed elevation of the top of the corresponding well casing. Monitoring well purging and sampling was performed from July 27 through July 29, 2004.

A three-inch product layer was recorded on top of groundwater in monitoring well MW-3 on July 27, 2004. Prior to purging this well on July 28, 2004 the product layer in well MW-3 was observed to have a thickness of seven inches and was sampled using a disposable polyethylene bailer. A very thin product layer (0.01 foot) was recorded on top of groundwater in well SBG-6 and a sheen (not recordable in thickness) was observed on top of groundwater in wells MW-4 and SBG-3. No product layer or sheen was observed in the remaining wells.

The wells were generally purged and sampled using low-flow techniques. A peristaltic pump was used to extract groundwater from each well at a rate that would cause minimal drawdown of the water table, thereby matching the pumping rate to the groundwater recharge rate and extracting formation water for sampling. Groundwater quality parameters (including temperature, conductivity, pH, dissolved oxygen, and turbidity) were monitored every five minutes during purging until three successive readings were within 0.1 unit for pH, 3% for conductivity, and 10% for temperature and dissolved oxygen. Turbidity levels of less than 50 NTUs were also attained. Groundwater samples were subsequently collected at the same pump rate used to purge the wells.

As an exception, low-flow purging and sampling techniques were not possible in monitoring wells MW-6 or SBG-6 due to extremely slow rates of recharge. Both wells were purged dry and continuous monitoring of stabilization parameters was not possible. Samples were collected from wells MW-6 and SB-6 following groundwater recharge.

On July 29, 2006 a sample of the standing water in the basement of the former oil house building was collected directly into laboratory-supplied glassware for analysis. Groundwater samples and the surface water and product sample were collected for the following analyses:

- Four groundwater samples (MW-1, MW-2, MW-3, and MW-5) were submitted for full TCL/TAL analyses.
- One groundwater sample (MW-6) was submitted for analysis of TCL VOCs, SVOCs, and PCBs.

- The remaining four groundwater samples (MW-4, SBG-3, SBG-5, and SBG-6) and the surface water sample (SW-1) were submitted for analysis of TCL VOCs and SVOCs.
- The product sample from monitoring well MW-3 was submitted for analysis of TCL VOCs, SVOCs, and PCBs as well as TPH.

On May 22, 2006, a second round of groundwater and product layer elevation measurements was obtained from each of the nine wells at and adjacent to the site. The depths to groundwater and the product layer (where present) in each monitoring well, as well as groundwater quality parameters recorded at the time of sampling, are included on Table 1. Groundwater elevations for all monitoring wells on July 27, 2004 and May 22, 2006 are shown on Table 1 and include a correction factor for free product where present. Figures 3A and 3B show groundwater contours for the July 27, 2004 and May 22, 2006 elevation data, respectively. All water/product samples were collected in laboratory-provided glassware, labeled, and placed into a chilled cooler. The samples were delivered to STL, Buffalo, New York.

5.0 SITE ASSESSMENT

5.1 Site Setting and Topography

The LVRR Roundhouse site is located in a moderately developed light industrial/residential area of the Village of Manchester. The surrounding property to the north is vacant undeveloped land. Properties to the east are predominantly residential. The adjoining property to the west is a manufacturer of insulated glass. Railroad tracks and undeveloped land border the site to the south. The subject site is generally flat. There are no known private or public water supply wells nearby.

5.2 Site Geology and Hydrology

Based on the soil borings completed during this investigation, the site consists of up to six feet of fill material overlying native overburden soils to depths of 6.5 to 21.5 feet below grade. Carbonate bedrock is present beneath the overburden. The fill material is comprised primarily of gravel, sand, cinders, and ash. The overburden soils consists primarily of sands, silts, and clays. The bedrock identified at the site is classified as limestone and dolostone; it is frequently fractured. Bedrock geology maps indicate the site is underlain by Akron Dolostone. Specific descriptions of the geologic conditions encountered in each soil boring are provided on the Soil Boring Logs in Appendix B.

Groundwater elevations at the site were measured on July 27, 2004 and May 22, 2006. The depths to groundwater identified in the monitoring wells ranged from approximately 4 feet (MW-1) to 8 feet below grade (MW-2 and MW-6). The groundwater elevations indicate that groundwater flow is primarily to the southwest in the northern portion of the site and to the north in the southern portion of the site, converging toward the former turntable area. Table 1 presents the groundwater elevation data for the site. Figures 3A and 3B present groundwater elevation contours based on the July 27, 2004 and May 22, 2006 data, respectively.

5.3 Contaminant Assessment

The following sections summarize the analytical data generated during the Site Characterization. The information is organized according to sample media and compounds of concern. Analytical data were compared to New York State environmental Standards, Criteria, and Guidance (SCGs). Groundwater SCGs for this site are based on the groundwater quality standards and guidance values contained in 6 NYCRR Part 703 and the DEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. Soil SCGs for this site are based on the DER Technical Assistance Guidance Memorandum (TAGM) 4046.

Sample locations are shown on Figure 2. The laboratory analytical data for samples collected as part of the Site Characterization are provided in Appendix C. All detected compounds are presented in data summary format in Tables 2A through 2D for soil samples and 3A through 3D for water and product samples.

5.3.1 Subsurface Soil

The results of soil borings completed during the Site Characterization identified the presence of VOCs, SVOCs, and metals that exceed SCGs in the subsurface soils at the Roundhouse site. PCBs

were not detected in subsurface soil at the site and pesticides were not detected at levels above SCGs. Total Petroleum Hydrocarbons were detected at elevated levels in several soil borings and there are no applicable SCGs for this analysis. The compounds or analytes identified in the following tables were detected at levels above SCGs (where applicable) in at least one subsurface soil sample:

VOCs	SCG (ppm)	No. of Samples Exceeding SCG	Maximum Concentration (ppm)
Benzene	0.06	1 of 25	0.27 (GP-29)
Ethylbenzene	5.5	1 of 25	44 (GP-13)
Isopropylbenzene	2.3	1 of 25	5 (GP-13)
Xylenes (total)	1.2	2 of 25	68 (GP-13)
Total TCL VOCs + TICs*	10	7 of 25	1,609 (GP-13)

SVOCs	SCG (ppm)	No. of Samples Exceeding SCG	Maximum Concentration (ppm)
Benzo(a)anthracene	0.224	2 of 23	1.3 (SB-10)
Benzo(a)pyrene	0.061	3 of 23	1.1 (SB-10)
Benzo(b)fluoranthene	0.220	2 of 23	1.0 (SB-10)
Benzo(k)fluoranthene	0.220	2 of 23	1.2 (GP-18)
Chrysene	0.400	2 of 23	1.2 (SB-10)
Dibenzo(a,h) anthracene	0.0143	3 of 23	0.29 (SB-10)
Indeno(1,2,3-c,d)pyrene	3.20	1 of 23	4.0 (GP-16)
2-Methylnaphthalene	36.4	2 of 23	110 (GP-28)
Total TCL SVOCs + TICs*	500	3 of 23	1,318 (SB-3)

Metals	SCG (ppm)	No. of Samples Exceeding SCG	Maximum Concentration (ppm)
Arsenic	12	1 of 7	18.5 (SB-5)
Calcium	35,000	5 of 7	72,100 (SB-4)
Copper	50	3 of 7	176 (SB-3)
Magnesium	5,000	6 of 7	30,000 (SB-4)
Zinc	50	1 of 7	51.2 (SB-3)

Total Petroleum Hydrocarbons	SCG (ppm)	No. of Samples Exceeding SCG	Maximum Concentration (ppm)
#2 Fuel Oil	NA	NA	10,000 (GP-16)
#6 Fuel Oil	NA	NA	86 (SB-10)

* Tentatively Identified Compounds - Sum of up to 10 VOC TICs or 25 SVOC TICs as listed on the analytical sheets

Sample locations are shown on Figure 2. Figure 4 presents a summary of total VOCs and SVOCs (including TICs) and TPH in subsurface soils at the site. As indicated, the highest total VOC, SVOC, and TPH concentrations in subsurface soils were detected in the areas of the former turntable unit and former petroleum storage and filling areas near the Oil House building. Metals were detected at relatively consistent concentrations across the site and within an order of magnitude of the SCGs. These metals are likely indicative of the local geology.

The detected compounds in subsurface soil samples collected at the site, including comparisons to SCGs, are summarized in Tables 2A through 2D. The analytical data from STL Laboratories are provided in Appendix C.

5.3.2 Surface Water

One "surface water" sample was collected at the site from water that had accumulated in the basement of the Oil House building. This sample, designated as SW-1 in the tables, was analyzed for TCL VOCs and SVOCs. There are no applicable SCGs for this media as it is not a classifiable water body or a point source discharge to groundwater. Only low levels of TICs were identified in this sample and are not considered significant. This data is summarized in Tables 3A and 3B. The analytical data from STL Laboratories are provided in Appendix C.

5.3.3 Free Product

One sample of light non-aqueous phase liquid (LNAPL) was collected from monitoring well MW-3 and analyzed for TCL VOCs, SVOCs, and PCBs, as well as TPH. This LNAPL sample contained significant levels of total VOCs (approximately 333 ppm including TICs) and SVOCs (approximately 37,228 ppm including TICs). The TPH results of the LNAPL sample identified it as entirely No. 4 Fuel Oil (1,200,000 ppm due to a high analytical margin of error associated with the dilution factor of 20). PCBs were not detected in the product sample. The detected compounds in the product sample are summarized in Tables 3A through 3C. The analytical data from STL Laboratories are provided in Appendix C.

5.3.4 Groundwater

The results of groundwater samples collected from the monitoring wells during the SC identified the presence of VOCs, SVOCs, pesticides, PCBs, and metals in groundwater at the Roundhouse site. The compounds identified in the following tables were detected at levels above SCGs in at least one groundwater sample:

VOCs	SCG (ppb)	No. of Samples Exceeding SCG	Maximum Concentration (ppb)
Benzene	1	1 of 9	13 (MW-3)
Isopropylbenzene	5	1 of 9	12 (MW-3)
Xylenes (total)	5	2 of 9	6 (MW-6)

SVOCs	SCG (ppb)	No. of Samples Exceeding SCG	Maximum Concentration (ppb)
Acenapthene	20	1 of 9	38 (SBG-6)
Dibenzofuran	5	1 of 9	6 (MW-4)
Fluorene	50	1 of 9	50 (SBG-6)
2-Methylnaphthalene	50	2 of 9	330 (MW-3)
Phenanthrene	50	1 of 9	180 (SBG-6)

Pesticides/PCBs	SCG (ppb)	No. of Samples Exceeding SCG	Maximum Concentration (ppb)
delta-BHC	0.04	1 of 4	0.05 (MW-5)
Dieldrin	0.004	1 of 4	0.026 (MW-5)
Endrin	ND	1 of 4	0.038 (MW-5)
PCB-1260	0.09	1 of 5	0.32 (MW-6)

Metals	SCG (ppb)	No. of Samples Exceeding SCG	Maximum Concentration (ppb)
Iron	300	4 of 4	6,970 (MW-3)
Manganese	300	1 of 4	370 (MW-1)
Sodium	20,000	3 of 4	171,000 (MW-1)

Sample locations are shown on Figure 2. Figure 5 presents a summary of total VOCs and SVOCs (including TICs) in groundwater at the site. As indicated, the highest total VOC and SVOC concentrations in groundwater were detected in monitoring well MW-3. Pesticide exceedances only occurred in wells MW-3 and MW-5 and total detected pesticides were less than 0.5 ppb in each well. There was a single PCB detection that exceeded the groundwater SCG in well MW-6 and it was less than 0.5 ppb. The only metals to exceed groundwater standards are iron, manganese, and sodium, which are likely indicative of the local geology.

Groundwater at the site is not used as a drinking water source. Residents and businesses in the area are served by a public water supply and there are no known private or public water supply wells nearby. The detected compounds in groundwater samples collected at the site, including comparisons to SCGs, are summarized in Tables 3A through 3D. The analytical data from STL Laboratories are provided in Appendix C.

5.3.5 Quality Assurance/Quality Control (QA/QC)

The QA/QC program implemented for this project included both field and analytical components. Field components included use of acceptable sample collection methods, use of clean equipment to minimize the potential for cross contamination, and the collection of a trip blank sample. Trip blanks consist of vials filled in the STL laboratory with uncontaminated water. These vials accompany sample collection personnel in the field and are treated identically to other water samples but are never opened. One trip blank sample was submitted during this investigation for VOC analysis as there was one shipment of groundwater samples. The trip blank results are provided in Appendix C; no compounds were detected in this sample.

Analytical components included instrument calibration, laboratory blanks, and MS/MSD samples. Laboratory case narratives identifying the results of the analytical QA/QC program are included in Appendix C. Analytical results that are included in Appendix C and the Tables have been flagged accordingly. Complete ASP Category B data packages are available in the DEC Region 8 office in Avon.

5.4 Off-Site Migration Concerns

In September 2005 during an environmental investigation for the planned upgrade of the nearby railroad crossing over State Route 21, petroleum odors and sheen were noted in the storm sewer that crosses under the roadway and eventually discharges to Canandaigua Outlet. On November 16, 2005, Watts Engineers performed followup testing of water that was present in storm sewer manholes located between the LVRR Roundhouse site and the Rt. 21 railroad crossing. These storm water samples were analyzed for Total Petroleum Hydrocarbons.

Results of the analytical testing and an aerial photograph showing the storm sewer manhole locations are provided in Appendix D. Results indicate that 14 ppm of No. 4 Fuel Oil was detected in sampling location Manhole 1, which is located within 40 feet south of the southwestern corner of the LVRR Roundhouse site. The location of this manhole is depicted on the attached aerial photograph in Appendix D in relation to the smaller outbuilding and foundation of the former water tank on the southern parcel of the LVRR Roundhouse site. Storm water samples collected from Manholes 2 and 3, further downstream from the LVRR Roundhouse site, had detections of 0.52 ppm and 0.50 ppm of No. 4 Fuel Oil, respectively. No storm sewer manholes were identified further upstream of Manhole 1.

It appears probable that the No. 4 Fuel Oil contamination present in this storm sewer system is emanating from the LVRR Roundhouse site. This is supported in part by a report that the turntable pit may drain into the storm sewer system. Other possible contributors to petroleum contamination identified in the storm sewer crossing Route 21 have not been ruled out. In particular, petroleum odors have been reported to this office from portions of the storm sewer along Main Street Extension (located southeast of the railroad crossing over Route 21). Sewer maps indicate that this location is upstream of the catch basins located along Route 21 where the petroleum odor and sheen was originally identified, and from the opposite direction as the LVRR Roundhouse site. The petroleum odors noted along Main Street Extension do not appear to be attributable to the LVRR Roundhouse site. It is, therefore, likely that separate contamination is entering other portions of the storm sewer and co-mingling with contamination that may be emanating from the LVRR Roundhouse site.

6.0 CONCLUSIONS

Based on the results of this Site Characterization, relative to project objectives, the following conclusions are provided.

6.1 Site Contaminants of Concern

This investigation was designed to provide a preliminary evaluation of environmental conditions at the site and assess the impact of past operations on the site environment. Contaminant classes of concern at this site include VOCs, SVOCs, and TPH as described in the following sections.

6.1.1 Volatile Organic Compounds

VOCs associated with petroleum contamination were detected at significant levels in subsurface soils and to a lesser extent in groundwater at the site. The maximum concentration of total VOCs (including TICs) detected in soil samples collected at the site was approximately 1,609 ppm (SB-3). For groundwater, the maximum concentration of total VOCs (including TICs) was approximately 1.1 ppm (MW-3).

The areal extent of petroleum-related VOC contamination in subsurface soil at the site has not been completely defined, but appears significant and may include more than one acre of land in the vicinity of the former turntable unit and former petroleum storage and filling areas associated with the Oil House building. The most significant petroleum-related VOC contamination in groundwater was identified at the location of well MW-3 (free product). To a lesser extent, the groundwater samples collected from monitoring wells MW-5 and MW-6 had low-level petroleum-related VOC detections, including slight exceedences of the SCG for total xylenes.

VOCs associated with chlorinated solvents, including PCE, TCE, and DCE, were detected in passive soil gas samples collected at the site, primarily in and around the roundhouse structure. Soil sampling and analysis performed in the areas of the highest chlorinated solvent detections in passive soil gas identified only low levels of these compounds (PCE up to 2 ppb (SB-2), TCE up to 4 ppb (GP-25), and cis-1,2-DCE up to 4 ppb (GP-25)) that are well below soil SCGs. Groundwater sampling and analysis performed in these areas detected only one low level hit of cis-1,2-DCE (3 ppb in MW-6), which is below the groundwater SCG of 5 ppb. No source areas of chlorinated solvent contamination were identified at the site during this investigation and it appears unlikely that a significant source is present at the site based on these low level detections.

6.1.2 Semi-Volatile Organic Compounds

SVOCs associated with petroleum contamination were detected at significant levels in subsurface soils and to a lesser extent in groundwater at the site. The maximum concentration of total SVOCs (plus TICs) detected in soil samples collected at the site was approximately 1,317 ppm (SB-3). For groundwater, the maximum total concentration of SVOCs (plus TICs) was approximately 1.7 ppm (MW-3).

The areal extent of SVOC contamination in soil at the site has not been completely defined, but appears to be similar to that discussed above for VOCs and may include more than one acre of land in the vicinity of the former turntable unit and former petroleum storage and filling areas associated

with the oil house building. The most significant groundwater SVOC concentrations were identified in the samples collected from wells MW-3 and SBG-6. To a lesser extent, the groundwater sample collected from monitoring well MW-4 had low-level petroleum-related SVOC detections, including a slight exceedence of the SCG for dibenzofuran.

6.1.3 Total Petroleum Hydrocarbons

Twenty soil samples and one sample of free product were analyzed for TPH during this project. Up to 10,000 ppm of No. 2 Fuel Oil was identified in site soils. Approximately three to seven inches of free product is present on top of groundwater in monitoring well MW-3. TPH Analysis of this product identified it as entirely No. 4 Fuel Oil. It is likely that both the No. 2 fuel oil identified in site soils and No. 4 Fuel Oil identified in free product are the result of weathered diesel fuel formerly used at the site. Due to differences in the weathering process in different site media, analytical TPH fingerprint detections may vary.

The areal extent of TPH contamination in soil at the site has not been completely defined, but appears to be similar to that discussed above for VOCs and SVOCs and may include more than one acre of land in the vicinity of the former turntable unit and former petroleum storage and filling areas associated with the Oil House building. Groundwater samples were not analyzed for TPH during this project; however, the weathered product in MW-3 appears to have relatively low solubility in groundwater based on the comparatively low levels of TCL and TIC VOCs in groundwater sample MW-3 and other monitoring wells at and adjacent to the site. A petroleum sheen and odors were noted in perimiter wells MW-4, SBG-3, and SBG-6. Although not analyzed for TPH and no VOCs or SVOCs exceeding SCGs were identified in these wells, this may be indicative of the outer limits of free product migration from source areas at the site.

6.1.4 Pesticides and PCBs

Several pesticide compounds and one PCB were detected at levels above SCGs in three of the groundwater samples collected at the site. Pesticides and PCBs were not detected at concentrations above SCGs in soils. These relatively low-level pesticide and PCB detections in groundwater (less than 0.5 ppb each) are not considered significant.

6.1.5 Inorganic Compounds

Inorganic compounds (metals) were occasionally detected at concentrations exceeding SCGs in soils and groundwater at the site. These detections, however, were within one order of magnitude of the SCGs and were fairly consistent across the site. Additional investigation is warranted, particularly in shallow fill soils which were not thoroughly evaluated as part of this investigation, to determine the significance of metal impacts at the site and more completely define its nature and extent.

6.2 Potential Sources of Contamination

The results of the investigation suggest that the source of the contamination at the site was the former LVRR operations. These operations included the use of significant quantities of petroleum products for locomotive fueling and maintenance. Elevated levels of site contaminants were

primarily detected in subsurface soils and groundwater in the vicinity of the roundhouse turntable, two former fueling areas, and former petroleum storage tank locations associated with the former Oil House building.

6.3 Groundwater Flow

Based on a two rounds of groundwater elevation measurements, the groundwater flow direction is primarily to the southwest in the northern portion of the site and to the north in the southern portion of the site, converging toward the former turntable area (see Figures 3A and 3B). It has been reported that the turntable pit may drain to the storm sewer located southeast of the site. This could be the cause of the convergent groundwater flow pattern identified at the site.

6.4 Offsite Migration

Offsite migration of site-related contamination via groundwater flow appears to be limited due in part to the low solubility of the remaining weathered fuel oil/diesel fuel (the primary site contaminant) that exists at the site as well as the convergent groundwater flow pattern toward the center of the site. Perimeter monitoring wells show relatively low levels of these contaminants; however, a petroleum sheen and odor were noted in perimeter wells MW-4, SBG-3, and SBG-6.

Offsite migration via a storm sewer that discharges to Canandaigua Outlet has been reported, including petroleum odors and sheen at the Rt. 21 railroad crossing. It has been reported that the turntable pit area of the site may drain to this storm sewer. Follow-up testing performed in storm sewers in association with a planned upgrade of the railroad crossing confirmed the detection of No. 4 fuel oil in the storm sewers that appears to be emanating from the former LVRR Roundhouse site. Other sources of petroleum contamination to the storm sewers have not been ruled out.

6.5 The NYS Listing of Inactive Hazardous Waste Disposal Sites

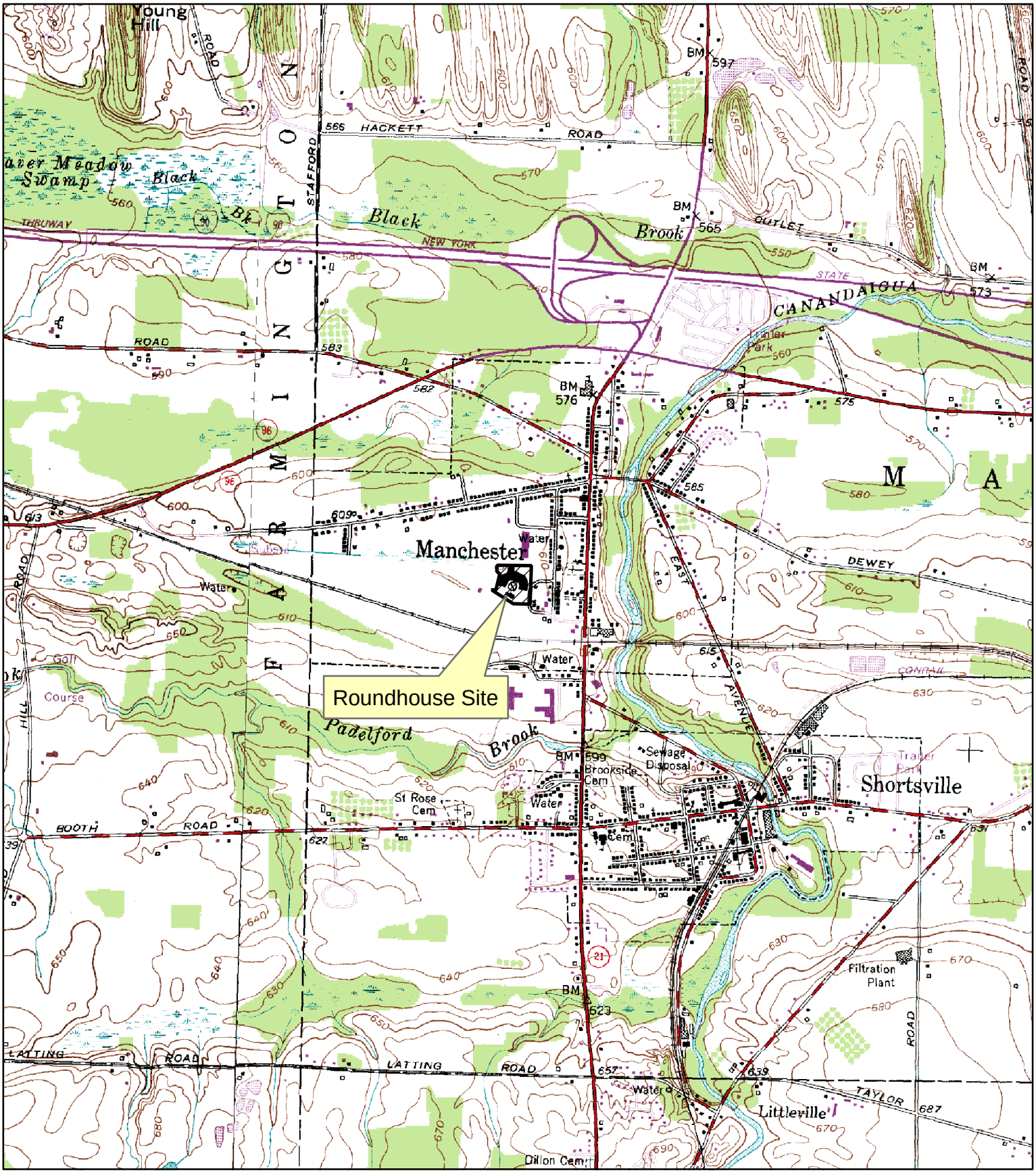
The results of this investigation have not confirmed the disposal of consequential amounts of hazardous wastes at the LVRR Roundhouse site. The bulk of the contamination at the site appears to be the result of petroleum contamination. Petroleum products are specifically exempt from hazardous waste regulations. Therefore, DEC does not intend to list the site in the NYS Registry of Inactive Hazardous Waste Disposal Sites at this time.

7.0 RECOMMENDATION

From 2003-2005, DEC performed a Site Characterization at the Former Lehigh Valley Railroad Roundhouse site. Samples were collected from 20 passive soil gas locations, 29 soil borings, 9 monitoring wells, and 1 surface water location. The results of the DEC investigation indicate widespread VOC, SVOC, and TPH contamination in subsurface soils and to a lesser extent in groundwater at the site. VOCs were detected at total concentrations of up to 1,609 parts per million (ppm) in soil samples and up to 1.1 ppm in groundwater samples collected at the site. SVOCs were detected at total concentrations of up to 1,318 ppm in soil samples and up to 1.7 ppm in groundwater samples collected at the site. Several inches of free product fuel oil/diesel fuel was identified on top of groundwater in the central area of the site (MW-3) near a former railcar turntable unit. While off-site migration through groundwater appears to be limited, storm sewers appear to be acting as a pathway for site-related contamination to reach Canandaigua Outlet.

The results of the Site Characterization indicate that the listing of this site in the New York State Registry of Inactive Hazardous Waste Disposal Sites is not appropriate at this time as described under Section 6.5. Removal of existing petroleum storage tanks and prevention of off-site migration via storm sewers should be undertaken in the near future. A Remedial Investigation to fully define the nature and extent of contamination at the site and gather data necessary to evaluate remedial alternatives is appropriate. DEC will work with Ontario County and any other interested parties, as well as evaluate the use of Spill Fund monies, to perform additional investigation and remediation activities at the site.

FIGURES



Source: USGS 7.5 Minute Topographic Map

Former Lehigh Valley Railroad Roundhouse Site

Site No. 8-35-018

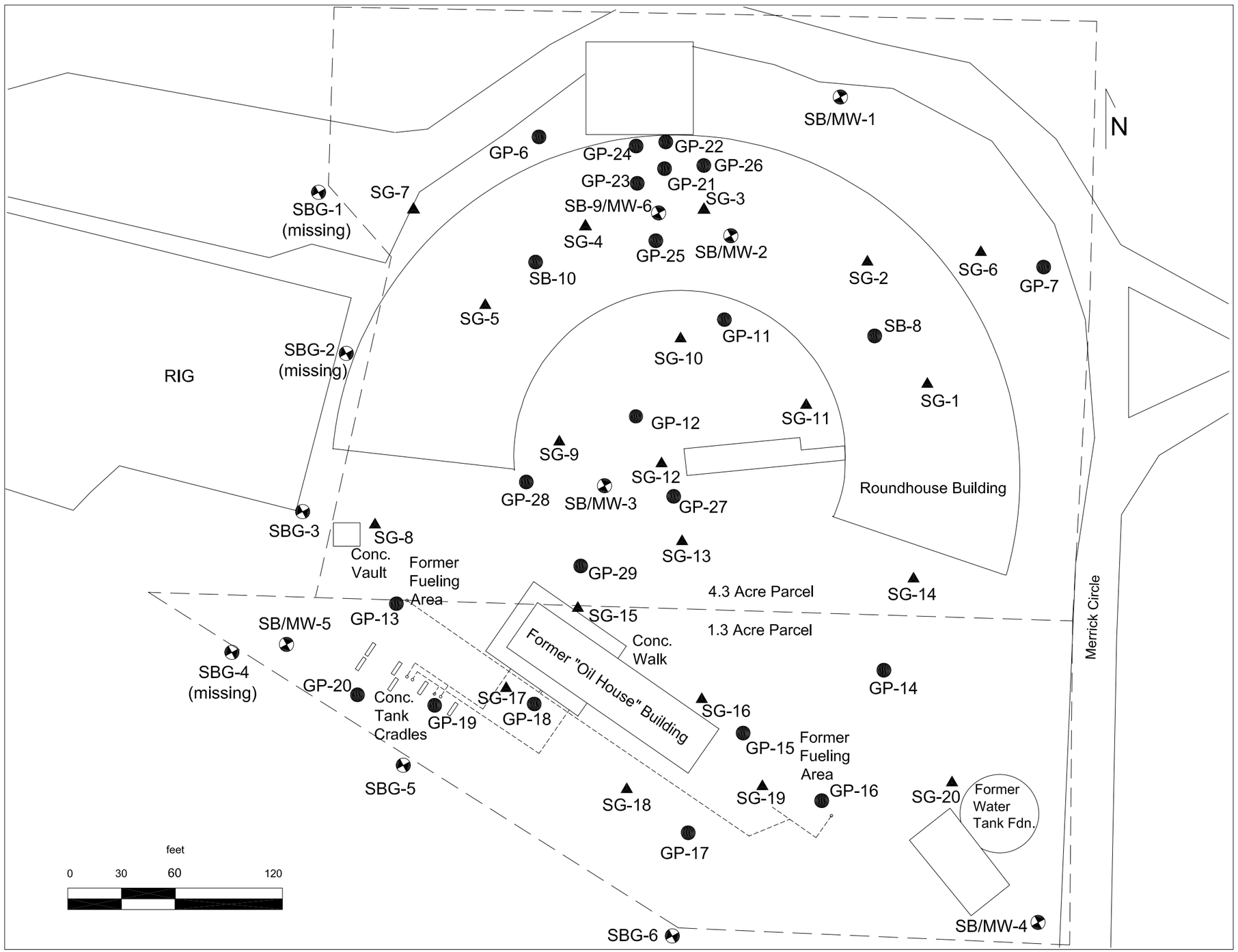
Site Charactrization Report

Figure 1 - Site Location Map

3

0 2,000 4,000 Feet

1 inch equals 2,000 feet



Property Tax Parcel Boudaries

Underground Petroleum Piping (approx. location)

▲ SG = Passive Soil Gas Sampling Location

GP = Geoprobe Soil Boring

SB = Soil Boring (drill rig)

MW = Monitoring Well

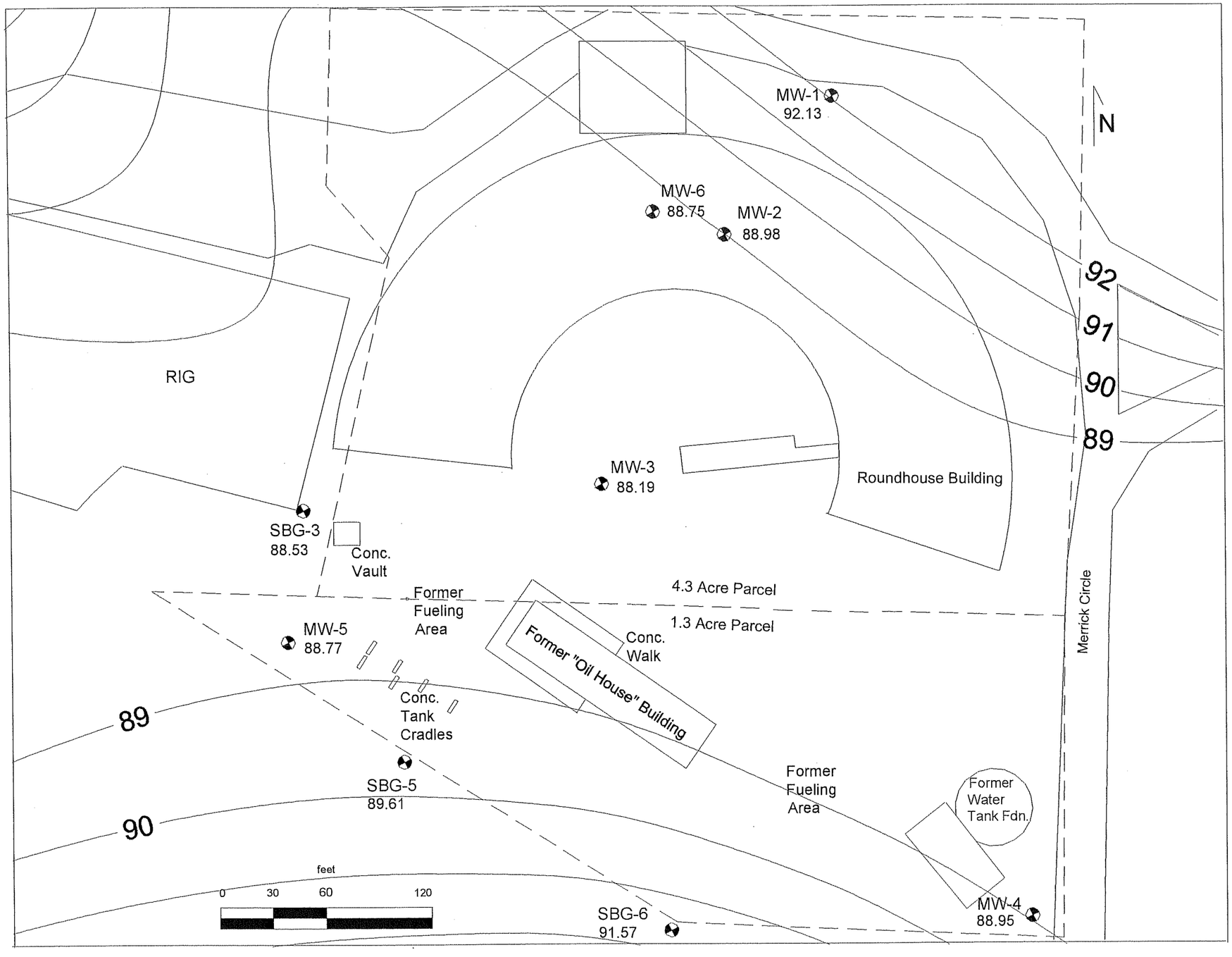
SBG = Sear Brown Geoprobe Well (located on adjacent RIG property)

New York State
Department of Environmental Conservation
Division of Environmental Remediation, Region 8

PROJECT NAME:
Former Lehigh Valley Roundhouse, 8-35-018

SCALE		Figure 2
1" = 60'		Site Map with
DRAFTED BY	DATE	Sample Location Points
GBM	May 2006	

Basemap by Nature's Way, Environmental Consultants & Contractors, Inc.



Property Tax Parcel Boudaries

MW = Monitoring Well

SBG = Sear Brown Geoprobe Well
(located on adjacent RIG property)

92.13 - Groundwater Elevation

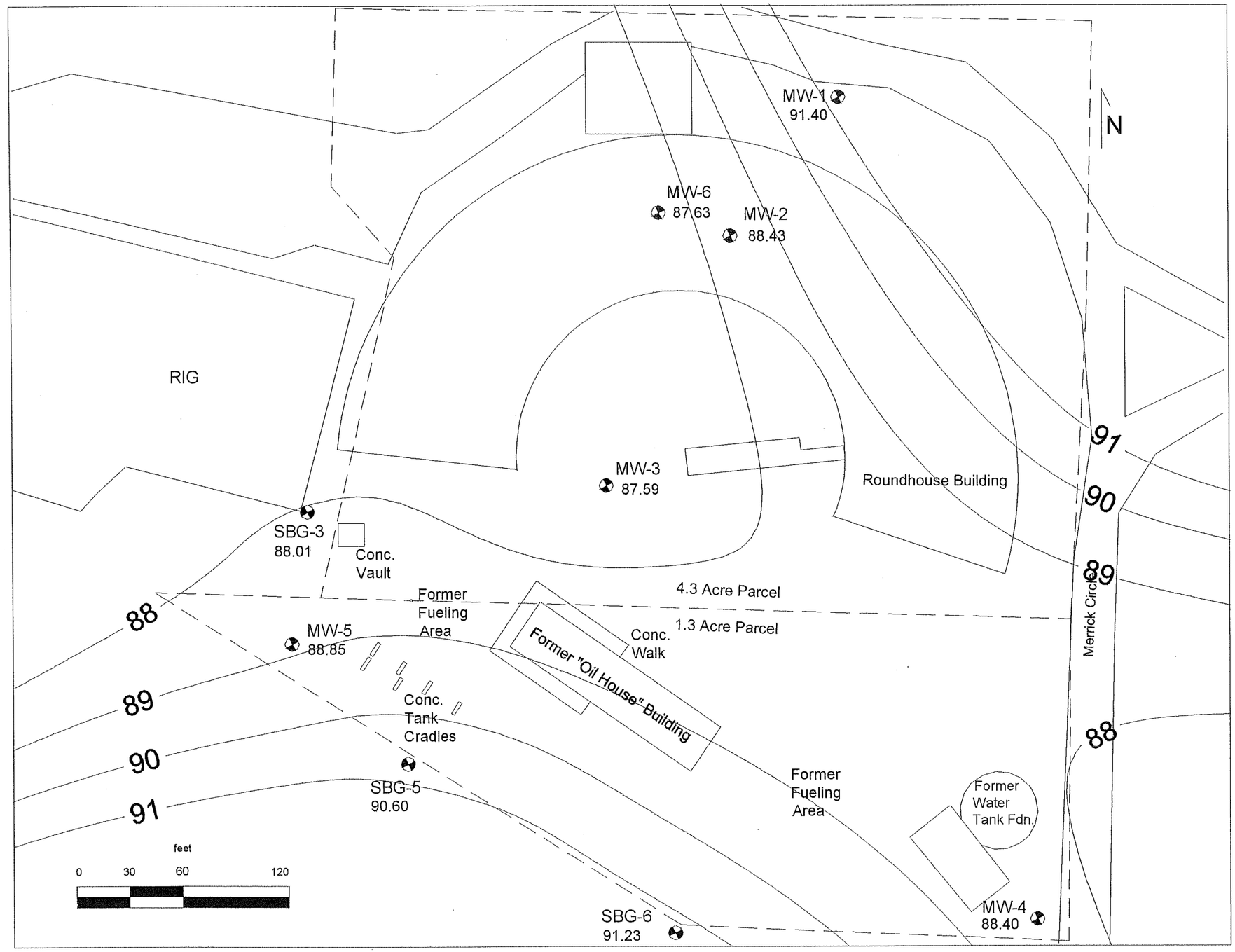
90 Groundwater Contour

New York State
Department of Environmental Conservation
Division of Environmental Remediation, Region 8

PROJECT NAME:
Former Lehigh Valley Roundhouse, 8-35-018

SCALE		Figure 3A
1" = 60'		Groundwater Contours
DRAFTED BY	DATE	July 27, 2004
GBM	May 2006	

Basemap by Nature's Way, Environmental Consultants & Contractors, Inc.

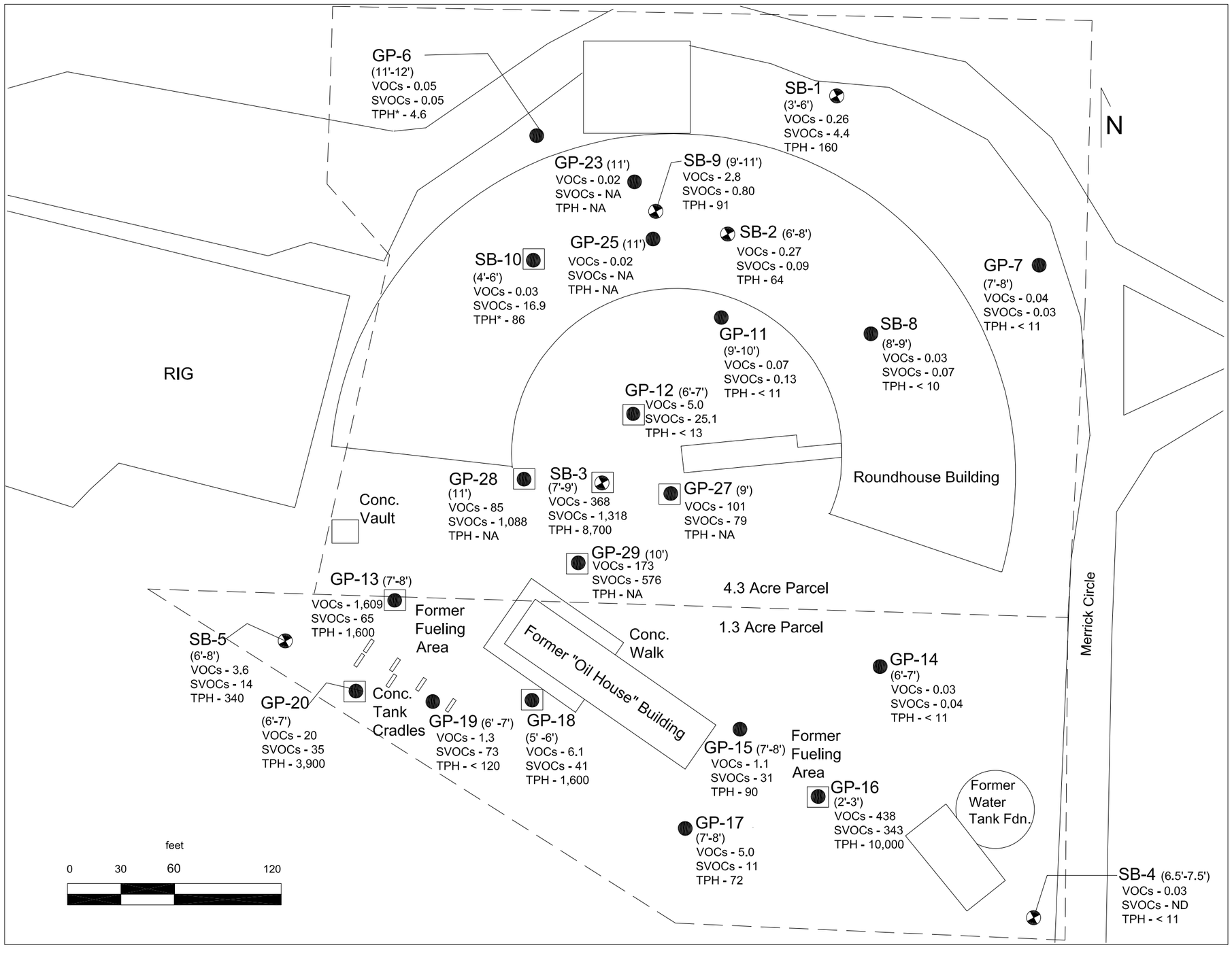


New York State
Department of Environmental Conservation
Division of Environmental Remediation, Region 8

PROJECT NAME:
Former Lehigh Valley Roundhouse, 8-35-018

SCALE	DRAFTED BY	DATE	
1" = 60'	GBM	May 2006	Figure 3B Groundwater Contours May 22, 2006

Basemap by Nature's Way, Environmental Consultants & Contractors, Inc.



Property Tax Parcel Boudaries

GP = Geoprobe Soil Boring

SB = Soil Boring (drill rig)

SB = Soil Boring that was converted to a monitoring well

Indicates a soil sample location with analytical data that exceeds SCGs for VOCs or SVOCs

VOCs = Total Volatile Organic Compounds, inlcuding TICs

SVOCs = Total Semivolatile Organic Compounds, including TICs

TICs = Tentatively Identified Compounds

TPH = Total Petroleum Hydrocarbons, No. 2 Fuel Oil

TPH* = Total Petroleum Hydrocarbons, No. 6 Fuel Oil

NA = Not Analyzed

ND = Non Detect

All units in parts per million (ppm)

New York State
Department of Environmental Conservation
Division of Environmental Remediation, Region 8

PROJECT NAME: Former Lehigh Valley Roundhouse, 8-35-018

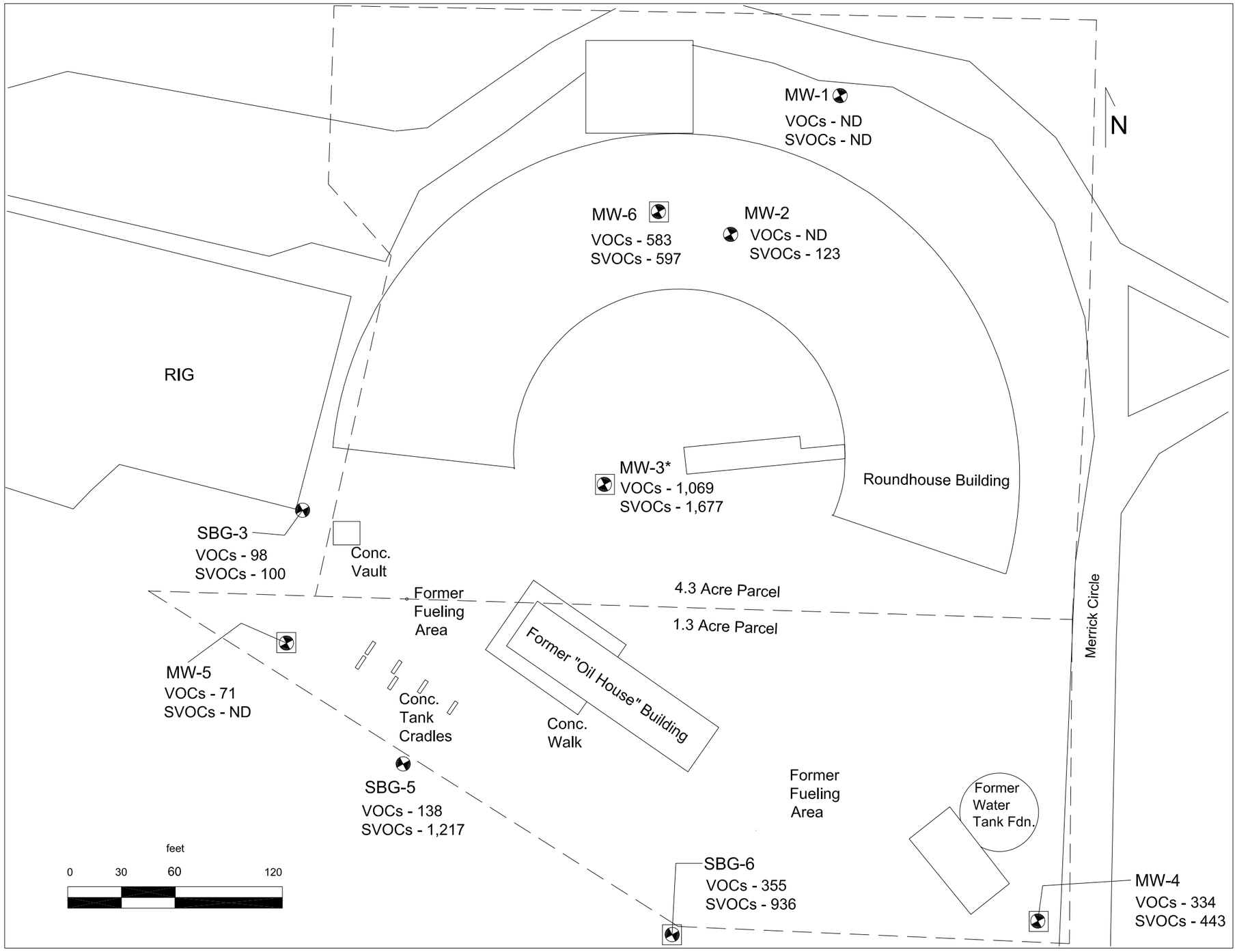
SCALE: 1" = 60'

DRAFTED BY: GBM

DATE: May 2006

Figure 4 - Soil Data
Total VOCs,
SVOCs, & TPH

Basemap by Nature's Way, Environmental Consultants & Contractors, Inc.



Property Tax Parcel Boudaries

MW = Monitoring Well

SBG = Sear Brown Geoprobe Well
(located on adjacent RIG property)

Indicates a groundwater sample location with analytical data that exceeds SCGs for VOCs or SVOCs

MW-3* - Three to seven inches of free product No. 4 Fuel Oil has been detected on top of groundwater in this well.

VOCs = Total Volatile Organic Compounds, inlcuding TICs

SVOCs = Total Semivolatile Organic Compounds, including TICs

TICs = Tentatively Identified Compounds

ND = Non Detect

All units in parts per billion (ppb)

New York State
Department of Environmental Conservation
Division of Environmental Remediation, Region 8

PROJECT NAME:
Former Lehigh Valley Roundhouse, 8-35-018

SCALE		Figure 5
1" = 60'		Groundwater Data
DRAFTED BY	DATE	Total VOCs & SVOCs
GBM	May 2006	

Basemap by Nature's Way, Environmental Consultants & Contractors, Inc.

TABLES

Former Lehigh Valley Railroad Roundhouse, Site No. 835018
Site Characterization Report
Manchester (V), Ontario (C)

TABLE 1
WELL CONSTRUCTION AND GROUNDWATER MONITORING SUMMARY

			MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	SBG-3	SBG-5	SBG-6
Well Construction Information [1,2,3]	Date Installed		7/7/2004	7/12/2004	7/9/2004	7/8/2004	7/9/2004	7/12/2004	8/25/2000	8/28/2000	8/28/2000
	Well Elevation (TOC)		97.88	97.24	99.72	98.35	100.36	96.78	96.93	99.17	99.43
	Screened Interval		3 - 13	4 - 14	4 - 14	2.5 - 12.5	4 - 14	1.5 - 11.5	5 - 15	6.7 - 11.7	7.3 - 12.3
	Depth to Bedrock		6.5	10.8	16.3	7.5	21.5	11.5	20	16	13
Well Gauging Information [4,5]	7/27/2004	Depth to Product	NA	NA	11.52	(sheen)	NA	NA	(sheen)	NA	7.86
		Depth to Groundwater	5.75	8.26	11.77	9.40	11.59	8.03	8.40	9.56	7.87
		Groundwater Elevation	92.13	88.98	88.19	88.95	88.77	88.75	88.53	89.61	91.57
	5/22/2006	Depth to Product	NA	NA	12.10	(sheen)	NA	NA	NA	NA	(sheen)
		Depth to Groundwater	6.48	8.81	12.75	9.95	11.51	9.15	8.92	8.57	8.20
		Groundwater Elevation	91.40	88.43	87.59	88.40	88.85	87.63	88.01	90.60	91.23
Field Monitoring Paramaters[6]	Temperature (^{o}C)		17.0	15.2	15.08	17.2	18.7	NA	17.3	14.9	NA
	pH		6.77	NA	6.69	NA	6.89	NA	6.37	6.49	NA
	Specific Conductivity (uS/cm)		1727	835	1102	1167	894.2	NA	955.8	1053	NA
	Dissolved Oxygen (mg/L)		1.1	NA	0.12	NA	0.98	NA	0.18	0.17	NA
	Turbidity (NTUs)		1.86	0.99	39	6.56	12.3	NA	17.8	4.7	NA

Notes

1. Well construction information for wells SBG-3, SBG-5, and SBG-6 obtained from October 2000 Phase II Environmental Investigation Report of 73 Merrick Circle, Prepared by Sear Brown.
2. Top of Casing elevations for MW-1 through MW-6 surveyed in reference to reported SBG-3 elevation by Sear Brown
3. Screened Interval and depth to bedrock measured in feet (±) below ground surface during well installation.
4. Depths to product and groundwater measured in feet below top of casing elevation on 7/27/04 and 5/22/06.
5. Groundwater elevation determined by subtracting depth to groundwater from the top of casing elevation and applying a correction factor for free product if present.
6. Field monitoring parameters were recorded at the time of groundwater sample collection on 7/27/04 - 7/29/04.

^{o}C = degrees Celcius

uS/cm = microSiemens per centimeter

mg/L = miligrams per liter

NTUs =nephelometric turbitity units

NA = Not applicable. Product not present or reading not taken at the time of sample collection.

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2A
SUMMARY OF DETECTED VOCs & TPH
IN SOIL SAMPLES

VOCs (µg/Kg)	Sample ID:	SB-1	SB-2	SB-3	SB-4	SB-5	GP-6	GP-7	SB-8	SB-9	SB-10	GP-11	GP-12	NYSDEC Soil Guidance Value (TAGM 4046)
	Lab ID:	D77613	D77619	D77618	D77616	D77617	D77602	D77601	D77608	D77620	D77615	D77603	D77612	
	Depth:	3' - 6'	6' - 8'	7' - 9'	6.5' - 7.5'	6' - 8'	11' - 12'	7' - 8'	8' - 9'	9' - 11'	4' - 6'	9' - 10'	6' - 7'	
	Date:	7/7/2004	7/12/2004	7/9/2004	7/8/2004	7/9/2004	7/1/2004	7/1/2004	7/2/2004	7/12/2004	7/8/2004	7/1/2004	7/2/2004	
Acetone		3 J	3 J	< 12,000	< 10	< 10	3 BJ	2 BJ	< 8	5 BJ	2 J	2 BJ	8 BJ	200
Benzene		< 9	< 9	< 12,000	< 10	8 J	< 15	< 11	< 8	1 J	< 12	< 9	< 30	60
Bromomethane		< 9	< 9	< 12,000	< 10	< 10	2 BJ	2 BJ	< 8	1 BJ	< 12	< 9	< 30	10,000
2-Butanone		< 9	< 9	< 12,000	< 10	< 10	< 15	< 11	< 8	< 8	< 12	< 9	< 30	300
Carbon disulfide		< 9	< 9	< 12,000	< 10	< 10	< 15	< 11	< 8	1 J	< 12	< 9	< 30	2,700
Cyclohexane		< 9	< 9	< 12,000	< 10	< 10	< 15	< 11	< 8	2 J	< 12	< 9	< 30	10,000
Dichlorodifluoromethane		< 9	< 9	< 12,000	< 10	< 10	< 15	1 J	< 8	< 8	< 12	< 9	6 J	10,000
cis-1,2-Dichloroethene		< 9	< 9	< 12,000	< 10	< 10	< 15	< 11	< 8	1 J	< 12	< 9	< 30	300
Ethylbenzene		< 9	< 9	< 12,000	< 10	5 J	< 15	< 11	< 8	3 J	< 12	< 9	< 30	5,500
Isopropylbenzene		< 9	< 9	< 12,000	< 10	44	< 15	< 11	< 8	8	< 12	< 9	< 30	2,300
Methylene chloride		9 B	14 B	< 12,000	12 B	< 10	18 B	12 B	9 B	15	11 BJ	10 B	19 BJ	100
Methylcyclohexane		< 9	< 9	< 12,000	< 10	300 E	< 15	< 11	< 8	8	< 12	< 9	< 30	10,000
Tetrachloroethene		< 9	3 J	< 12,000	< 10	< 10	< 15	< 11	< 8	< 8	< 12	< 9	< 30	1,400
Toluene		< 9	< 9	< 12,000	< 10	5 J	< 15	< 11	< 8	2 J	< 12	< 9	< 30	1,500
Trichloroethene		< 9	< 9	< 12,000	< 10	< 10	< 15	< 11	< 8	< 8	< 12	< 9	< 30	700
Xylenes (total)		< 9	3 J	< 12,000	< 10	120	< 15	< 11	< 8	10	< 12	< 9	< 30	1,200
Sum of Detected VOCs		12	17	ND	12	482	21	17	9	57	13	12	33	10,000
Total TICs		249	250	**368,000**	19	3,160	32	19	19	2,780	21	59	4,960	10,000
Detected VOCs + TICs		261	267	**368,000**	31	3,642	53	36	28	2,837	34	71	4,993	10,000
TPH Fingerprint (mg/Kg)														
#2 Fuel Oil		160	64	8,700	< 11	340	< 12	< 11	< 10	91	< 13	< 11	< 13	NS
#4 Fuel Oil		< 10	< 11	< 560	< 11	< 11	< 12	< 11	< 10	< 11	< 13	< 11	< 13	NS
#6 Fuel Oil		< 10	< 11	< 560	< 11	< 11	4.6 J	< 11	< 10	< 11	86	< 11	< 13	NS

Notes

VOCs = Volatile Organic Compounds. Analyzed by NYS Contract Laboratory Protocol ASP00.
TPH = Total Petroleum Hydrocabons. Analyzed by NYSDOH Method 310.13
µg/Kg = micrograms per kilogram; equivalent to parts per billion (ppb). mg/Kg = milligrams per kilogram; equivalent to parts per million (ppm)
Bold indicates that the detected concentration meets or exceeds the referenced Soil Guidance Value
TICs = Tentatively Identified Compounds (sum of up to 10 compounds listed on analytical sheets
ND = Non detect. NS = No standard or guidance value available for this compound.

Laboratory Organic Data Qualifiers

B - Analyte is found in the associated method blank.
J - The result is less than the sample quanitation limit and is an estimated value
D - Compound was detected at a secondary dilution factor
E - The result exceeds the calibration range and is an estimated value

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2A (Continued)
SUMMARY OF DETECTED VOCs & TPH
IN SOIL SAMPLES

VOCs (μg/Kg)	Sample ID:	GP-13	GP-14	GP-15	GP-16	GP-17	GP-18	GP-19	GP-20	GP-23	GP-25	GP-27	GP-28	GP-29	NYSDEC Soil Guidance Value (TAGM 4046)
	Lab ID:	D77604	D77611	D77605	D77610	D77609	D77608	D77607	D77606	GP-23	GP-25	GP-27	GP-28	GP-29	
	Depth:	7' - 8'	6' - 7'	7' - 8'	2' - 3'	7' - 8'	5' - 6'	6' - 7'	6' - 7'	11'	11'	9'	11'	10'	
	Date:	7/1/2004	7/2/2004	7/1/2004	7/2/2004	7/2/2004	7/2/2004	7/2/2004	7/2/2004	11/29/2005	11/29/2005	11/29/2005	11/29/2005	11/29/2005	
Acetone		< 10,000	3 BJ	3 BJ	< 4,300	6 BJ	14 B	5 BJ	17 BJ	< 10	2 BJ	< 1,000	< 900	< 950	200
Benzene		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	**270 J**	60
Bromomethane		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	10,000
2-Butanone		< 10,000	< 9	< 8	< 4,300	< 14	8 J	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	300
Carbon disulfide		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	2,700
Cyclohexane		< 10,000	< 9	1 J	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	210 J	10,000
Dichlorodifluoromethane		< 10,000	3 J	2 J	< 4,300	< 14	< 12	5 J	4 J	< 10	< 8	< 1,000	< 900	< 950	10,000
1,2-Dichloroethene (total)		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	4 J	< 1,000	< 900	< 950	300
Ethylbenzene		**44,000**	< 9	3 J	1,200 J	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	5,500
Isopropylbenzene		**5,000 J**	< 9	3 J	< 4,300	4 J	< 12	< 17	< 29	< 10	< 8	520 J	430 J	1,000	2,300
Methylene chloride		< 10,000	10 B	10 B	< 4,300	16 B	8 BJ	18 B	17 BJ	4 J	< 8	< 1,000	< 900	< 950	100
Methylcyclohexane		2,400 J	< 9	4 J	2,100 J	2 J	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	1,600	10,000
Tetrachloroethene		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	1,400
Toluene		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	1,500
Trichloroethene		< 10,000	< 9	< 8	< 4,300	< 14	< 12	< 17	< 29	< 10	4 J	< 1,000	< 900	< 950	700
Xylenes (total)		**68,000**	< 9	13	**4,300**	< 14	< 12	< 17	< 29	< 10	< 8	< 1,000	< 900	< 950	1,200
Sum of Detected VOCs		**119,400**	16	39	7,600	28	30	28	38	4	10	520	430	3,080	10,000
Total TICs		**1,490,000**	17	1,074	**430,000**	4,940	6,080	1,249	**20,000**	15	8	**100,800**	**85,000**	**170,000**	10,000
Detected VOCs + TICs		**1,609,400**	33	1,113	**437,600**	4,968	6,110	1,277	**20,038**	19	18	**101,320**	**85,430**	**173,080**	10,000

TPH Fingerprint (mg/Kg)

#2 Fuel Oil	1,600	< 11	90	10,000	72	1,600	< 120	3,900
#4 Fuel Oil	< 100	< 11	< 11	< 240	< 12	< 130	< 120	< 130
#6 Fuel Oil	< 100	< 11	< 11	< 240	< 12	< 130	< 120	< 130

Notes

VOCs = Volatile Organic Compounds. Analyzed by NYS Contract Laboratory Protocol ASP00.
TPH = Total Petroleum Hydrocabons. Analyzed by NYSDOH Method 310.13
μg/Kg = micrograms per kilogram; equivalent to parts per billion (ppb). mg/Kg = milligrams per kilogram; equivalent to parts per million (ppm)
Bold indicates that the detected concentration meets or exceeds the referenced Soil Guidance Value
TICs = Tentatively Identified Compounds (sum of up to 10 compounds listed on analytical sheets
ND = Non detect. NS = No standard or guidance value available for this compound.

Laboratory Organic Data Qualifiers

B - Analyte is found in the associated method blank.
J - The result is less than the sample quanitation limit and is an estimated value
D - Compound was detected at a secondary dilution factor
E - The result exceeds the calibration range and is an estimated value

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2B
SUMMARY OF DETECTED SVOCs
IN SOIL SAMPLES

SVOCs (μg/Kg)	Sample ID:	SB-1	SB-2	SB-3	SB-4	SB-5	GP-6	GP-7	SB-8	SB-9	SB-10	GP-11	GP-12	NYSDEC Soil Guidance Value (TAGM 4046)
	Lab ID:	D77613	D77619	D77618	D77616	D77617	D77602	D77601	D77608	D77620	D77615	D77603	D77612	
	Depth:	3' - 6'	6' - 8'	7' - 9'	6.5' - 7.5'	6' - 8'	11' - 12'	7' - 8'	8' - 9'	9' - 11'	4' - 6'	9' - 10'	6' - 7'	
	Date:	7/7/2004	7/12/2004	7/9/2004	7/8/2004	7/9/2004	7/1/2004	7/1/2004	7/2/2004	7/12/2004	7/8/2004	7/1/2004	7/2/2004	
Acenapthene		< 340	< 380	6,900 J	< 1,900	110 J	< 390	< 370	< 350	16 J	160 J	< 360	71 J	50,000
Acenapthylene		< 340	< 380	1,700 J	< 1,900	26 J	< 390	< 370	< 350	< 360	< 2,200	< 360	< 430	50,000
Anthracene		15 J	< 380	2,200 J	< 1,900	30 J	< 390	< 370	< 350	11 J	440 J	< 360	91 J	50,000
Benzo(a)anthracene		48 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**1,300 J**	< 360	200 J	224 or MDL
Benzo(a)pyrene		50 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**1,100 J**	< 360	**210 J**	61 or MDL
Benzo(b)fluoranthene		45 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**1,000 J**	< 360	210 J	220 or MDL
Benzo(g,h,i)perylene		37 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	830 J	< 360	88 J	50,000
Benzo(k)fluoranthene		36 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**790 J**	< 360	140 J	220 or MDL
Biphenyl		< 340	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	< 2,200	< 360	80 J	50,000
Carbazole		< 340	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	190 J	< 360	< 430	50,000
Chrysene		46 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**1,200 J**	< 360	200 J	400
Dibenzofuran		< 340	< 380	5,400 J	< 1,900	62 J	< 390	< 370	< 350	13 J	110 J	< 360	110 J	6,200
Dibenzo(a,h)anthracene		12 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	**290 J**	< 360	**40 J**	14.3 or MDL
bis(2-Ethylhexyl)phthalate		64 BJ	24 J	< 36,000	< 1,900	62 BJ	28 BJ	18 BJ	< 350	38 J	100 BJ	11 BJ	66 BJ	50,000
Fluoranthene		82 J	< 380	< 36,000	< 1,900	23 J	< 390	< 370	< 350	23 J	2,800	< 360	480	50,000
Fluorene		< 340	< 380	10,000 J	< 1,900	140 J	< 390	< 370	< 350	25 J	160 J	< 360	160 J	50,000
Indeno(1,2,3-c,d)pyrene		32 J	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	690 J	< 360	89 J	3,200
2-Methylnaphthalene		< 340	46 J	**96,000**	< 1,900	740	< 390	< 370	< 350	57 J	< 2,200	< 360	660	36,400
2-Methylphenol		< 340	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	< 2,200	< 360	< 430	100 or MDL
4-Methylphenol		< 340	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	< 2,200	< 360	< 430	900
Naphthalene		< 340	< 380	< 36,000	< 1,900	140 J	24 J	12 J	< 350	< 360	70 J	15 J	220 J	13,000
di-n-Octylphthalate		< 340	< 380	< 36,000	< 1,900	< 370	< 390	< 370	< 350	< 360	< 2,200	< 360	< 430	50,000
Phenanthrene		34 J	19 J	24,000 J	< 1,900	290 J	< 390	< 370	< 350	63 J	2,300	< 360	460	50,000
Pyrene		72 J	< 380	1,300 J	< 1,900	29 J	< 390	< 370	< 350	24 J	2,800	< 360	440	50,000
Sum of Detected SVOCs		573	89	147,500	ND	1,652	52	30	72	297	16,180	26	4,015	500,000
Total TICs		3,845	ND	**1,170,000**	ND	12,120	ND	ND	ND	500	730	100	21,100	500,000
Detected SVOCs + TICs		4,418	89	**1,317,500**	ND	13,772	52	30	72	797	16,910	126	25,115	500,000

Notes

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Bold indicates that the detected concentration meets or exceeds the referenced Soil Guidance Value
TICs = Tentatively Identified Compounds (sum of up to 25 compounds listed on analytical sheets)
ND = Non detect. NS = No standard or guidance value available for this compound.

Laboratory Organic Data Qualifiers

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FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2B (Continued)
SUMMARY OF DETECTED SVOCs
IN SOIL SAMPLES

SVOCs (µg/Kg)	Sample ID:	GP-13	GP-14	GP-15	GP-16	GP-17	GP-18	GP-19	GP-20	GP-27	GP-28	GP-29	NYSDEC Soil Guidance Value (TAGM 4046)
	Lab ID:	D77604	D77611	D77605	D77610	D77609	D77608	D77607	D77606	GP-27	GP-28	GP-29	
	Depth:	7' - 8'	6' - 7'	7' - 8'	2' - 3'	7' - 8'	5' - 6'	6' - 7'	6' - 7'	9'	11'	10'	
	Date:	7/1/2004	7/2/2004	7/1/2004	7/9/2004	7/2/2004	7/2/2004	7/2/2004	7/2/2004	11/29/2005	11/29/2005	11/29/2005	
Acenapthene		970	< 360	420	2,700 J	65 J	340 J	< 1,900	900	4,600 E	5,600 J	5,100 J	50,000
Acenapthylene		220 J	< 360	99 J	660 J	26 J	1,200	< 1,900	< 440	< 380	< 6,700	< 6,900	50,000
Anthracene		270 J	< 360	120 J	730 J	26 J	1,100	< 1,900	< 440	2,600	4,000 J	2,800 J	50,000
Benzo(a)anthracene		16 J	< 360	< 370	130 J	< 400	**860**	< 1,900	23 J	82 J	< 6,700	< 6,900	224 or MDL
Benzo(a)pyrene		< 340	< 360	< 370	< 3,800	< 400	**610**	< 1,900	< 440	30 J	< 6,700	< 6,900	61 or MDL
Benzo(b)fluoranthene		< 340	< 360	< 370	< 3,800	< 400	**980**	< 1,900	16 J	60 J	< 6,700	< 6,900	220 or MDL
Benzo(g,h,i)perylene		< 340	< 360	< 370	< 3,800	< 400	140 J	< 1,900	< 440	11 J	< 6,700	< 6,900	50,000
Benzo(k)fluoranthene		< 340	< 360	< 370	< 3,800	< 400	**1,200**	< 1,900	8 J	< 380	< 6,700	< 6,900	220 or MDL
Biphenyl		< 340	< 360	310 J	310 J	< 400	350 J	250 J	< 440	< 380	< 6,700	< 6,900	50,000
Carbazole		< 340	< 360	40 J	< 3,800	< 400	460	< 1,900	< 440	< 380	< 6,700	< 6,900	50,000
Chrysene		23 J	< 360	< 370	130 J	< 400	**720**	82 J	42 J	92 J	< 6,700	< 6,900	400
Dibenzofuran		780	< 360	370	2,000 J	82 J	1,100	410 J	< 440	< 380	5,100 J	3,700 J	6,200
Dibenzo(a,h)anthracene		< 340	< 360	< 370	< 3,800	< 400	**82 J**	< 1,900	< 440	< 380	< 6,700	< 6,900	14.3 or MDL
bis(2-Ethylhexyl)phthalate		22 BJ	21 BJ	26 BJ	110 BJ	34 BJ	62 BJ	51 BJ	56 BJ	210 BJ	< 6,700	< 6,900	50,000
Fluoranthene		110 J	< 360	48 J	530 J	< 400	1,900	90 J	210 J	830	800 J	< 6,900	50,000
Fluorene		1,200	< 360	610	< 3,800	120 J	1,600	320 J	1,100	5,900 E	10,000	7,000	50,000
Indeno(1,2,3-c,d)pyrene		< 340	< 360	< 370	**4,000**	< 400	170 J	< 1,900	< 440	< 380	< 6,700	< 6,900	3,200
2-Methylnaphthalene		8,000 D	< 360	6,100 D	30,000	45 J	1,500	2,800	620	24,000 E	**110,000 D**	35,000	36,400
2-Methylphenol		< 340	< 360	< 370	< 3,800	< 400	57 J	< 1,900	< 440	< 380	< 6,700	< 6,900	100 or MDL
4-Methylphenol		< 340	< 360	< 370	< 3,800	< 400	150 J	< 1,900	< 440	< 380	< 6,700	< 6,900	900
Naphthalene		3,600 E	20 J	570	1,800 J	27 J	6,100 DJ	840 J	460	< 380	< 6,700	< 6,900	13,000
di-n-Octylphthalate		< 340	< 360	< 370	< 3,800	11 J	26 J	< 1,900	19 J	< 380	< 6,700	< 6,900	50,000
Phenanthrene		3,000 E	< 360	1,400	8,000	190 J	5,600 DJ	720 J	< 440	14,000 D	27,000	18,000	50,000
Pyrene		200 J	< 360	91 J	870 J	12 J	1,100	300 J	330 J	640	1,700 J	1,300 J	50,000
Sum of Detected SVOCs		18,401	41	10,204	51,800	638	27,407	5,863	3,784	53,055	164,200	72,900	500,000
Total TICs		46,410	ND	20,360	291,200	9,940	13,980	67,080	31,500	26,360	**924,000**	**503,000**	500,000
Detected SVOCs + TICs		64,811	41	30,564	343,000	10,578	41,387	72,943	35,284	79,415	**1,088,200**	**575,900**	500,000

Notes

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FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2C
SUMMARY OF DETECTED PESTICIDES/PCBs
IN SOIL SAMPLES

Pesticides (μg/Kg)	Sample ID:	**SB-1**	**SB-2**	**SB-3**	**SB-4**	**SB-5**	**SB-9**	**GP-16**	**NYSDEC Soil Guidance Value (TAGM 4046)**
	Lab ID:	D77613	D77619	D77618	D77616	D77617	D77620	D77610	
	Depth:	3' - 6'	6' - 8'	7' - 9'	6.5' - 7.5'	6' - 8'	9' - 11'	2' - 3'	
	Date:	7/7/2004	7/12/2004	7/9/2004	7/8/2004	7/9/2004	7/12/2004	7/2/2004	
Aldrin		< 8.3	< 9.3	< 9.0	< 9.2	< 9.0	< 8.7	6.4 J	41
alpha-BHC		< 8.3	< 9.3	2.4 J	< 9.2	< 9.0	< 8.7	6.7 J	110
beta-BHC		< 8.3	< 9.3	0.94 J	< 9.2	< 9.0	< 8.7	1.7 J	200
delta-BHC		< 8.3	0.97 J	0.79 J	< 9.2	< 9.0	1.7 J	< 37	300
gamma-BHC (Lindane)		< 8.3	< 9.3	1.4 J	< 9.2	< 9.0	< 17	< 37	60
Chlordane (alpha & gamma)		< 42	< 46	< 45	< 46	< 45	< 44	10 J	540
4,4'-DDD		< 17	< 18	< 18	< 18	< 18	< 17	32 J	2,900
4,4'-DDE		< 17	< 18	< 18	< 18	< 18	< 17	26 J	2,100
4,4'-DDT		< 17	< 18	5.4 J	< 18	0.90 J	< 17	< 74	2,100
Dieldrin		< 17	< 18	< 18	< 18	< 18	< 17	2.0 J	44
Endosulfan sulfate		< 17	< 18	< 18	< 18	< 18	< 17	29 J	1,000
Endrin		< 17	< 18	2.0 J	0.76	2.2 J	< 17	< 74	100
Endrin aldehyde		< 33	< 37	< 36	< 37	< 36	< 35	8.1 J	NS
Endrin ketone		< 17	< 18	0.83 J	0.99 J	2.1 J	< 17	89	NS
Heptachlor		< 8.3	< 9.3	0.49 J	< 9.2	< 9.0	< 8.7	1.2 J	100
Sum of Detected Pesticides		ND	0.97	9.25	1.75	5.2	1.7	212.1	10,000

Notes
PCBs = Polychlorinated biphenyls. Pesticides and PCBs were analyzed by NYS Contract Laboratory Protocol ASP00. No PCBs were detected.
μg/Kg = micrograms per kilogram; equivalent to parts per billion (ppb)
ND = Non detect. NS = No standard or guidance value available for this compound.

Laboratory Organic Data Qualifiers
J - The result is less than the sample quanitation limit and is an estimated value

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 2D
SUMMARY OF DETECTED METALS
IN SOIL SAMPLES

Metals (mg/Kg)	Sample ID:	SB-1	SB-2	SB-3	SB-4	SB-5	B-9	GP-16	NYSDEC Soil Guidance Value** (TAGM 4046)
	Lab ID:	D77613	D77619	D77618	D77616	D77617	D77620	D77610	
	Depth:	3' - 6'	6' - 8'	7' - 9'	6.5' - 7.5'	6' - 8'	9' - 11'	2' - 3'	
	Date:	7/7/2004	7/12/2004	7/9/2004	7/8/2004	7/9/2004	7/12/2004	7/2/2004	
Aluminum		5,500	5,660	3,490	7,940	7,710	3,310	2,170	SB (33,000)
Antimony		0.42 B	< 0.44	1.4 B	0.52 B	< 0.43	< 0.42	3.1 B	SB (NA)
Arsenic		4.4	1.7	10.2	3.7	**18.5**	1.3	10	7.5 or SB (3 -12)
Barium		32.8	46.9	44.5	90.6	88.3	28.8	45.1	300 or SB (15 - 600)
Beryllium		0.37 B	0.32 B	0.44 B	0.44 B	0.26 B	0.18 B	0.38 B	0.16 or SB (0 - 1.75)
Cadmium		< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.14 B	0.06 B	10 or SB (0.1 - 1)
Calcium		**59,600**	**63,800**	**64,800**	**72,100**	3,360	**64,900**	2,220	SB (130 - 35,000)
Chromium		15.7	7.6	7.3	10.2	9.4	5.1	14.9	50 or SB (1.5 - 40)
Cobalt		9.6	3.8 B	9.3	6.7	2.8 B	3.1 B	5.1 B	30 or SB (2.5 - 60)
Copper		**50**	13.4	**176**	15.5	12	7.3	**51.8**	25 or SB (1 - 50)
Iron		19,200	10,400	20,500	12,100	11,600	7,450	14,500	2,000 or SB (2,000 - 550,000)
Lead		6.6	5.2	72.6	7	8.2	13.8	157	SB (200 - 500 – suburban)
Magnesium		**21,200**	**24,800**	**25,000**	**30,300**	1,720	**27,800**	175 B	SB (100 - 5,000)
Manganese		498	361	505	404	59.3	341	72.1	SB (50 - 5,000)
Mercury		0.011 B	0.010 B	<0.007	0.023	0.036	< 0.004	0.056	0.1 (0.001 - 0.2)
Nickel		13.3	8.8	14.9	13.7	6.8	5.9	10.2	13 or SB (0.5 - 25)
Potassium		1,440	1,730	741	2,520	785	1,020	224 B	SB (8,500 - 43,000)
Selenium		< 0.51	< 0.56	< 0.55	< 0.56	1.0 B	< 0.53	2.7 B	2 or SB (0.1 - 3.9)
Silver		< 0.12	< 0.14	0.19 B	< 0.14	0.14 B	< 0.13	0.15 B	SB (NA)
Sodium		108 B	287 B	97.3 B	181 B	46.5 B	126 B	39.1 B	SB (6,000 - 8,000)
Vanadium		53.3	14	10.1	14.6	15.9	7.8	9.7	150 or SB (1 - 300)
Zinc		30.1	49.3	**51.2**	33.9	28.4	36.3	10.2	20 or SB (9 - 50)

Notes
Target Analyte List (TAL) metals were analyzed by NYS Contract Laboratory Protocol ASP00.
SB = Site background
** Eastern US Background Values per TAGM 4046 shown in parentheses
mg/Kg = milligrams per killogram; equivalent to parts per million (ppm)
Bold indicates that the detected concentration meets or exceeds the referenced Soil Guidance Value and/or Eastern US Background Values

Laboratory Inorganic Data Qualifiers
B - The value is less than the contract required detection limit.

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 3A
SUMMARY OF DETECTED VOCs & TPH
IN WATER/PRODUCT SAMPLES

VOCs	Sample ID: / Lab ID: / Date:	MW-1 (μg/L) D77601 7/27/2004	MW-2 (μg/L) D77602 7/27/2004	MW-3 (μg/L) D77607 7/28/2004	MW-3 Product[1] (μg/Kg) D77606 7/28/2004	MW-4 (μg/L) D77603 7/27/2004	MW-5 (μg/L) D77605 7/28/2004	MW-6 (μg/L) D77604 7/27/2004	SBG-3 (μg/L) D77608 7/29/2004	SBG-5 (μg/L) D77610 7/29/2004	SBG-6 (μg/L) D77609 7/29/2004	SW-1[2] (μg/L) D77611 7/29/2004	NYSDEC Groundwater Standard/ Guidance Value
Acetone		< 10	< 10	< 10	< 980	< 10	< 10	< 10	< 10	< 10	6 J	< 10	50
Benzene		< 10	< 10	**13**	< 980	< 10	< 10	< 10	< 10	< 10	< 10	< 10	1
Ethylbenzene		< 10	< 10	< 10	< 980	< 10	2 J	2 J	< 10	< 10	< 10	< 10	5
Toluene		< 10	< 10	< 10	< 980	< 10	< 10	2 J	< 10	< 10	< 10	< 10	5
Xylenes (total)		< 10	< 10	< 10	310 J	< 10	**5 J**	**6 J**	< 10	< 10	< 10	< 10	5
Cyclohexane		< 10	< 10	< 10	700 J	< 10	< 10	< 10	< 10	< 10	< 10	< 10	NS
Methylcyclohexane		< 10	< 10	3 J	3,900	2 J	< 10	< 10	< 10	< 10	< 10	< 10	NS
cis-1,2-Dichloroethene		< 10	< 10	< 10	< 980	< 10	< 10	3 J	< 10	< 10	< 10	< 10	5
Isopropylbenzene		< 10	< 10	**12**	3,000	4 J	< 10	2 J	< 10	< 10	2 J	< 10	5
Sum of Detected VOCs		ND	ND	28	7,910	6	7	15	ND	ND	8	ND	NS
Total TICs		ND	ND	1,041	325,000	328	64	568	98	138	347	7	NS
Detected VOCs + TICs		ND	ND	1,069	332,910	334	71	583	98	138	355	7	NS
TPH Fingerprint					(μg/g)								
#4 Fuel Oil		NA	NA	NA	1,200,000	NA	NA	NA	NA	NA	NA	NA	NS

Notes

VOCs = Volatile Organic Compounds. Analyzed by NYS Contract Laboratory Protocol ASP00.
TPH = Total Petroleum Hydrocabons. Analyzed by NYSDOH Method 310.13
1 - There are no applicable SCGs for the Product Sample.
2 - SW-1 was collected from surface water in the basement of the former "Oil House" Building; it is not clear if this water is in communication with groundwater. No applicable SCGs.
μg/L = micrograms per liter; equivalent to parts per billion (ppb). μg/Kg = micrograms per kilogram, equivalent to parts per billion (ppb). μg/g = micrograms per gram; equivalent to parts per million (ppm).
Bold indicates that the detected concentration meets or exceeds the referenced groundwater standard or guidance value.
TICs = Tentatively Identified Compounds (sum of up to 10 compounds listed on analytical sheets)
NS = No standard or guidance value available for this compound
ND = Non detect

Laboratory Organic Data Qualifiers

J - The result is less than the sample quanitation limit and is an estimated value

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 3B
SUMMARY OF DETECTED SVOCs
IN WATER/PRODUCT SAMPLES

SVOCs	Sample ID: / Lab ID: / Date:	MW-1 (μg/L) D77601 7/27/2004	MW-2 (μg/L) D77602 7/27/2004	MW-3 (μg/L) D77607 7/28/2004	MW-3 Product[1] (μg/Kg) D77606 7/28/2004	MW-4 (μg/L) D77603 7/27/2004	MW-5 (μg/L) D77605 7/28/2004	MW-6 (μg/L) D77604 7/27/2004	SBG-3 (μg/L) D77608 7/29/2004	SBG-5 (μg/L) D77610 7/29/2004	SBG-6 (μg/L) D77609 7/29/2004	SW-1[2] (μg/L) D77611 7/29/2004	NYSDEC Groundwater Standard/ Guidance Value
Acenapthene		< 10	< 9	18 J	77,000	7 J	< 9	< 94	< 9	< 94	**38**	< 9	20
Anthracene		< 10	< 9	< 47	250,000 D	< 9	< 9	< 94	< 9	< 94	13	< 9	50
Benzo(a)anthracene		< 10	< 9	< 47	8,900 J	< 9	< 9	< 94	< 9	< 94	< 9	< 9	0.002
Carbazole		< 10	< 9	< 47	75,000 J	< 9	< 9	< 94	< 9	< 94	< 9	< 9	NS
Chrysene		< 10	< 9	< 47	13,000 J	< 9	< 9	< 94	< 9	< 94	< 9	< 9	0.002
Dibenzofuran		< 10	< 9	< 47	640,000	**6 J**	< 9	< 94	< 9	< 94	< 9	< 9	5
bis(2-Ethylhexyl)phthalate		< 10	< 9	< 47	33,000 J	< 9	< 9	< 94	< 9	< 94	< 9	< 9	5
Fluoranthene		< 10	< 9	< 47	84,000 J	< 9	< 9	< 94	< 9	< 94	8 J	< 9	50
Fluorene		< 10	< 9	22 J	960,000	8 J	< 9	< 94	< 9	< 94	**50**	< 9	50
2-Methylnaphthalene		< 10	< 9	**330**	12,000,000 D	23	< 9	< 94	< 9	27 J	**150 D**	< 9	50
Naphthalene		< 10	< 9	< 47	57,000 J	< 9	< 9	< 94	< 9	< 94	< 9	< 9	10
Phenanthrene		< 10	< 9	36 J	2,900,000 DJ	8 J	< 9	< 94	< 9	< 94	**180 D**	< 9	50
Pyrene		< 10	< 9	< 47	140,000 J	< 9	< 9	< 94	< 9	< 94	8 J	< 9	50
Sum of Detected SVOCs		ND	ND	406	17,237,900	52	ND	ND	ND	27	418	ND	NS
Total TICs		ND	123	1,271	19,990,000	391	ND	597	100	1,190	518	51	NS
Detected SVOCs + TICs		ND	123	1,677	37,227,900	443	ND	597	100	1,217	936	51	NS

Notes

SVOCs = Semivolatile Organic Compounds. Analyzed by NYS Contract Laboratory Protocol ASP00.

1 - There are no applicable SCGs for the Product Sample.

2 - SW-1 was collected from surface water in the basement of the former "Oil House" Building; it is not clear if this water is in communication with groundwater. No applicable SCGs.

μg/L = micrograms per liter; equivalent to parts per billion (ppb). μg/Kg = micrograms per kilogram, equivalent to parts per billion (ppb).

Bold indicates that the detected concentration meets or exceeds the referenced groundwater standard or guidance value.

TICs = Tentatively Identified Compounds (sum of up to 25 compounds listed on analytical sheets)

NS = No standard or guidance value available for this compound

ND = Non detect

Laboratory Organic Data Qualifiers

D - Compound is detected at a secondary dilution factor.

J - The result is less than the sample quanitation limit and is an estimated value.

FORMER LEHIGH VALLEY RAILROAD ROUNDHOUSE, SITE NO. 835018
SITE CHARACTERIZATION REPORT
MANCHESTER (V), ONTARIO (C)

TABLE 3C
SUMMARY OF DETECTED PESTICIDES/PCBs
IN WATER/PRODUCT SAMPLES

Pesticides	Sample ID: / Lab ID: / Date:	**MW-1** (μg/L) D77601 7/27/2004	**MW-2** (μg/L) D77602 7/27/2004	**MW-3** (μg/L) D77607 7/28/2004	**MW-3 Product**[1] (μg/Kg) D77606 7/28/2004	**MW-5** (μg/L) D77605 7/28/2004	**MW-6** (μg/L) D77604 7/27/2004	NYSDEC Groundwater Standard/ Guidance Value
delta-BHC		< 0.05	< 0.047	**0.047**	NA	**0.05**	NA	0.04
gamma-BHC		< 0.05	< 0.047	**0.084**	NA	<0.047	NA	0.05
Chlordane (alpha & gamma)		< 0.05	< 0.047	**0.058**	NA	< 0.047	NA	0.05
Dieldrin		< 0.10	< 0.094	< 0.094	NA	**0.026 J**	NA	0.004
4,4'-DDD		< 0.10	< 0.094	< 0.094	NA	0.028 J	NA	0.3
4,4'-DDT		< 0.10	< 0.094	< 0.094	NA	0.043 J	NA	0.2
Endrin		<0.10	< 0.094	< 0.094	NA	**0.038 J**	NA	ND
Heptachlor		< 0.05	< 0.047	**0.14**	NA	< 0.047	NA	0.04
Sum of Detected Pesticides		ND	ND	0.329	NA	0.185	NA	NS
PCBs								
Aroclor-1260		<0.5	<0.5	<0.5	< 0.85	< 0.5	**0.32 J**	0.09

Notes

PCBs = Polychlorinated biphenyls. Pesticides and PCBs were analyzed by NYS Contract Laboratory Protocol ASP00.
1 - There are no applicable SCGs for the Product Sample.
μg/L = micrograms per liter; equivalent to parts per billion (ppb). μg/Kg = micrograms per kilogram, equivalent to parts per billion (ppb).
Bold indicates that the detected concentration meets or exceeds the referenced groundwater standard or guidance value.
NA = Sample not analyzed for this compound
NS = No standard or guidance value available for this compound
ND = Non detect

Laboratory Organic Data Qualifiers

J - The result is less than the sample quanitation limit and is an estimated value.

TABLE 3D
SUMMARY OF DETECTED METALS
IN WATER SAMPLES

Metals	Sample ID:	**MW-1**	**MW-2**	**MW-3**	**MW-5**	NYSDEC Groundwater
		(μg/L)	(μg/L)	(μg/L)	(μg/L)	
	Lab ID:	D77601	D77602	D77607	D77605	Standard/
	Date:	7/27/2004	7/27/2004	7/28/2004	7/28/2004	Guidance Value
Aluminum		< 21.9	< 21.9	69.4 B	140 B	NS
Barium		177 B	50.8 B	146 B	86.6 B	1,000
Beryllium		< 0.24	< 0.24	0.24 B	< 0.24	3
Cadmium		< 0.35	< 0.35	< 0.35	2.0 B	5
Calcium		136,000	127,000	176,000	143,000	NS
Cobalt		<0.93	10.1 B	< 0.93	< 0.93	NS
Iron		**2,080**	**317**	**6,970**	**2,590**	300
Magnesium		25,000	32,200	33,800	20,400	35,000
Manganese		**370**	192	276	198	300
Nickel		< 1.4	8.1 B	< 1.4	1.8 B	100
Potassium		3,810 B	7,670	4,410 B	4,830 B	NS
Sodium		**171,000**	**72,900**	13,000	**25,700**	20,000
Zinc		3.1 B	11.7 B	10.5 B	17.9 B	2,000

Notes

Target Analyte List (TAL) metals were analyzed by NYS Contract Laboratory Protocols ASP00.

μg/L = micrograms per liter; equivalent to parts per billion (ppb)

Bold indicates that the detected concentration meets or exceeds the referenced groundwater standard or guidance value.

NS = No standard or guidance value available for this analyte.

Laboratory Inorganic Data Qualifiers

B - The value is less than the contract required detection limit.

APPENDIX A

EMFLUX® PASSIVE SOIL-GAS SURVEY REPORT

BEACON Report No. EM1605

EMFLUX® Passive Soil-Gas Survey

FORMER LEHIGH VALLEY ROUNDHOUSE MANCHESTER, NY

Prepared for

Nature's Way Environmental Consultants & Contractors, Inc.
600 Victor-Egypt Road
Victor, NY 14564

by

Beacon Environmental Services, Inc.
323 Williams Street
Suite D
Bel Air, MD 21014

October 15, 2003

Applying Results from Soil-Gas Surveys

The utility of soil-gas surveys is directly proportional to their accuracy in reflecting and representing changes in the subsurface concentrations of source compounds. Passive soil-gas survey results are the mass collected from the vapor-phase emanating from the source. The vapor-phase is merely a fractional trace of the source, so, as a matter of convenience, the units used in reporting detection values from EMFLUX® surveys are smaller than those employed for source-compound concentrations.

The critical fact is that, whatever the relative concentrations of source and associated soil gas, best results are realized when the ratio of soil-gas measurements to actual subsurface concentrations remains as close to constant as the real world permits. It is the reliability and consistency of this ratio, not the particular units of mass (*e.g.*, nanograms) that determine usefulness. Thus, BEACON emphasizes the necessity of conducting — at minimum — follow-on intrusive sampling at one or two points which show relatively high EMFLUX® values to obtain corresponding concentrations of soil and groundwater contaminants. These correspondent values furnish the basis for approximating the required ratio. Once that ratio is established, it can be used in conjunction with EMFLUX® measurements (regardless of the units adopted) to estimate subsurface contaminant concentrations across the survey field. It is important to keep in mind, however, that specific conditions at individual sample points, including soil porosity and permeability, depth to contamination, and perched ground water, can have significant impact on soil-gas measurements at those locations.

When EMFLUX® Surveys are handled in this way, the data provide information that can yield substantial savings in drilling costs and in time. They furnish, among other things, a checklist of compounds expected at each survey location and help to determine how and where drilling budgets can most effectively be spent.

EMFLUX® Survey Number: EM1605

Former Lehigh Valley Roundhouse
Manchester, NY

This EMFLUX® Soil-Gas Survey Report has been prepared for Nature's Way Environmental Consultants & Contractors, Inc. (NATURE'S WAY) by Beacon Environmental Services, Inc. (BEACON) in accordance with the terms of Purchase Order Number R0182, dated September 8, 2003. BEACON's principal technical contact at NATURE'S WAY for this project has been Mr. David Dake.

1. Objectives

Soil-gas samples were collected to determine the presence, identity, and relative strength of targeted contaminants in soil and/or ground water at the Former Lehigh Valley Roundhouse site. Survey results will be used to identify source areas and delineate the lateral extent of contamination.

2. Target Compounds

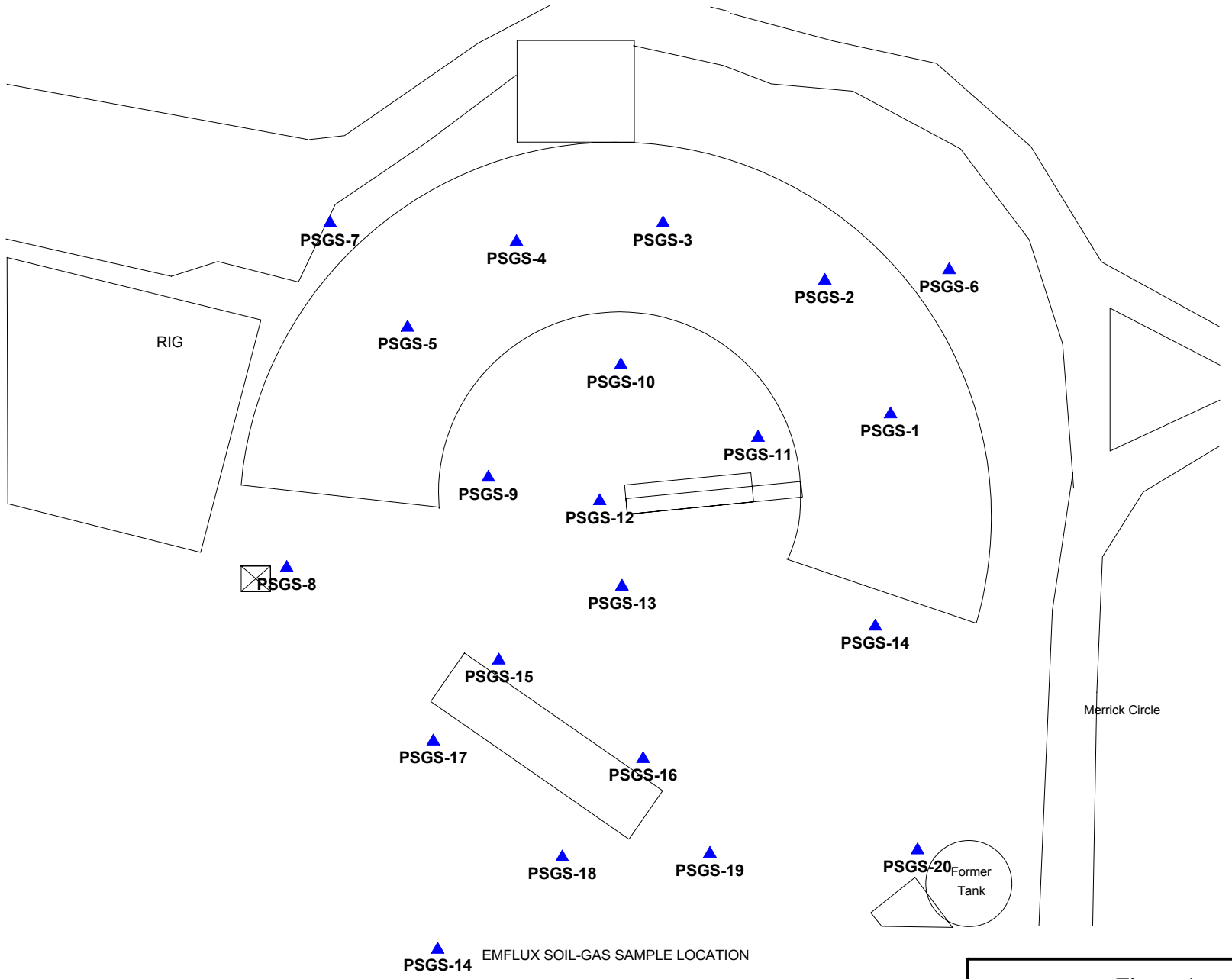
This survey targeted the 22 compounds listed in **Attachment 1**, which supplies the resulting laboratory data in nanograms (ng) of specific compound per cartridge. **Table 1** provides the data for those compounds detected at one or more locations.

3. Survey Description

- No. of Field Sample Points: 20
- No. of Duplicate Field Samples: 1
- No. of Trip Blanks: 1
- Total No. of EMFLUX® Samples: 22
- Field sample locations are shown on **Figure 1**.

4. Field Work

NATURE'S WAY was provided an EMFLUX® Field Kit with the equipment needed to conduct a 20-point EMFLUX® Soil-Gas Survey. Collectors were deployed on September 10, 2003, and were retrieved on September 26, 2003, in accordance with the EMFLUX® Timing Model. **Attachment 2** describes the field procedures used. Individual deployment and retrieval times will be found in the Field Deployment Report (**Attachment 3**).



BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510
Beacon Project No. EM1605, October 2003

Figure 1
EMFLUX Soil-Gas Sample Locations

Former Lehigh Valley Roundhouse
Manchester, NY

5. Analysis and Reporting Dates

- BEACON's laboratory received 22 samples for analysis on September 30, 2003.
- BEACON's laboratory analyzed the samples for the specified compounds, using thermal desorption and a capillary-column gas chromatograph (GC) with a photoionization detector (PID), a dry electrolytic conductivity detector (DELCD), and a flame ionization detector (FID) in accordance with EPA Method 8015B/8021 (Modified), as described in **Attachment 4**.
- Analysis was completed on October 1, 2003. Following a laboratory review, results were provided to NATURE'S WAY on October 3, 2003.

6. Report Notes and Quality Assurance/Quality Control Factors

- **Table 1** provides survey results in nanograms per cartridge by sample-point number and compound name. The quantitation levels represent values above which quantitative laboratory results can be achieved within specified limits of precision and with a high degree of confidence. The quantitation level for each compound, therefore, provides a reliable basis for comparing the relative strength of any detection of that compound.

- **Data Compatibility**. It is important to note that when sample locations are covered with or near the edge of an artificial surface (*e.g.*, asphalt or concrete), sample measurements are often distorted (increased) significantly. Such distortion can be attributed to the fact that gas rising from sources beneath impermeable caps tends to reach equilibrium underneath the cap. Thus, a reading taken below or near an impermeable surface is much higher than it would be in the absence of such a cap.

- The **Chain-of-Custody** form, which was shipped with the samples for this survey, is supplied as **Attachment 5**.

- **Laboratory QA/QC procedures** consist of control blanks and verifications, as well as system calibration, as specified for EPA Method 8015B/8021. Laboratory personnel conducted internal control blanks and internal control verification analyses daily to ensure that the system was contaminant free and properly calibrated. The system was calibrated using external-standard procedures to at least three different concentrations for each compound targeted. Internal control verification and continuing control verification were performed daily.

- **QA/QC Contaminant Corrections.** Following EPA guidelines, EMFLUX® laboratory data is not corrected for method blank or trip blank sample contamination values; any contamination detected on QA/QC samples is reported in **Attachment 1**.

- **Laboratory method blanks** are run each day with project samples to identify contamination present in the laboratory. If contamination is detected on a method blank, measurements of identical compounds on samples analyzed the same day are considered to be suspect and are flagged in the laboratory report. The laboratory method blanks analyzed in connection with the present samples revealed no contamination.

- The **trip blank** is an EMFLUX® cartridge prepared, transported, and analyzed with other samples but intentionally not exposed. Any target compounds identified on the trip blanks are reported in the laboratory data. The analysis of the trip blank (labeled Trip-1 in **Attachment 1**) reported 360 nanograms (ng) of Total Petroleum Hydrocarbons (TPH). No other compounds were identified on the trip blank, indicating that except for the lower level detections of TPH, the survey site itself is the source of detected contamination.

- **Duplicates.** EMFLUX® sample collectors are prepared with two cartridges for subsequent duplicate or confirmatory sample analysis. At NATURE'S WAY's request, duplicate analysis was performed for sample PSGS-11, designated PSGS-11D. Because of finite differences between the cartridges, and the random nature of diffusive particle movement, comparisons between duplicates and primary samples should be made on a qualitative basis, as quantitative results may be subject to random distortions. In general, a duplicate correspondence should be defined as a difference of 50% or less between contaminant data for base and duplicate samples. Also, for the purpose of calculating correspondences, all non-detections should be assigned, as a baseline value, the quantitation level for the specific contaminant. Based on these assumptions, a 96% correlation was found between the duplicate sample and its base sample.

- **Survey findings** are relative exclusively to this project and should not routinely be compared with results of other EMFLUX® Surveys. *To establish a relationship between reported soil-gas measurements and actual subsurface contaminant concentrations, which will indicate those detections representing significant subsurface contamination, BEACON recommends the guidelines on the inside front cover of this report.*

- At the request of NATURE'S WAY, the following compound distribution maps have been provided:

  Figure 2 — Tetrachloroethene
  Figure 3 — Total BTEX
  Figure 4 — Total Petroleum Hydrocarbons (TPH)

- The following **Attachments** are included:

  -1- Laboratory Report
  -2- EMFLUX® Field Procedures
  -3- Field Deployment Report
  -4- Laboratory Procedures
  -5- Chain-of-Custody Form
  -6- TPH Chromatograms

Table 1

EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-1	PSGS-2	PSGS-3	PSGS-4	PSGS-5	PSGS-6
COMPOUNDS						
trans-1,2-Dichloroethene	<25	<25	**100**	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	**400**	<25	<25	<25
Trichloroethene	<25	**45**	**260**	<25	<25	<25
Tetrachloroethene	<25	**1,500**	**1,200**	<25	**43**	<25
MTBE	<25	<25	<25	<25	<25	<25
Benzene	<25	**47**	<25	<25	<25	<25
Toluene	**43**	**100**	**120**	**66**	<25	**110**
Ethylbenzene	<25	<25	**41**	**47**	<25	**42**
Xylenes (total)	**140**	**240**	**440**	**360**	**35**	**300**
Total BTEX	**183**	**387**	**601**	**473**	**35**	**452**
Total Petroleum Hydrocarbons	**4,100**	**13,000**	**35,000**	**23,000**	**2,500**	**26,000**

SAMPLE NO.	PSGS-7	PSGS-8	PSGS-9	PSGS-10	PSGS-11	PSGS-11D
COMPOUNDS						
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	**310**	**61**	**30**
MTBE	**72**	<25	<25	<25	<25	<25
Benzene	**100**	<25	<25	<25	<25	<25
Toluene	**93**	**60**	**37**	**52**	**41**	**25**
Ethylbenzene	<25	<25	<25	<25	<25	<25
Xylenes (total)	**200**	**76**	**38**	**97**	**97**	**58**
Total BTEX	**393**	**136**	**75**	**149**	**138**	**83**
Total Petroleum Hydrocarbons	**9,000**	**1,400**	**1,300**	**1,200**	**1,300**	**820**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms

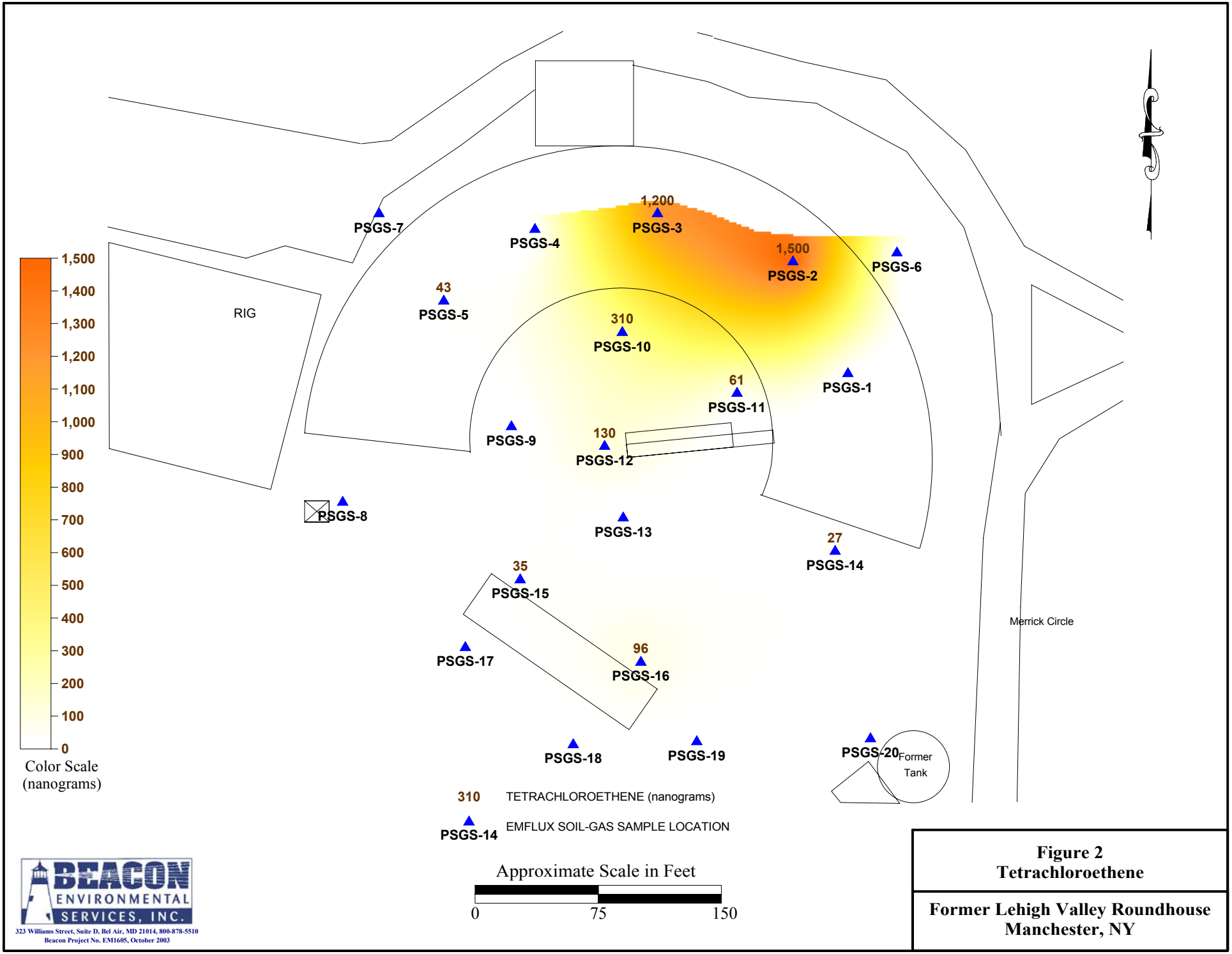
Table 1
(continued)
EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-12	PSGS-13	PSGS-14	PSGS-15	PSGS-16	PSGS-17
COMPOUNDS						
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
Tetrachloroethene	**130**	<25	**27**	**35**	**96**	<25
MTBE	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Toluene	<25	**89**	<25	**60**	**43**	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
Xylenes (total)	<25	**150**	<25	**110**	**29**	**26**
Total BTEX	<25	**239**	<25	**170**	**72**	**26**
Total Petroleum Hydrocarbons	<260	**3,600**	**740**	**3,600**	**2,600**	**1,200**

SAMPLE NO.	PSGS-18	PSGS-19	PSGS-20	Trip-1
COMPOUNDS				
trans-1,2-Dichloroethene	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25
MTBE	<25	<25	<25	<25
Benzene	<25	<25	<25	<25
Toluene	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25
Xylenes (total)	<25	**43**	**37**	<25
Total BTEX	<25	**43**	**37**	<25
Total Petroleum Hydrocarbons	**370**	**1,200**	**1,800**	**360**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms



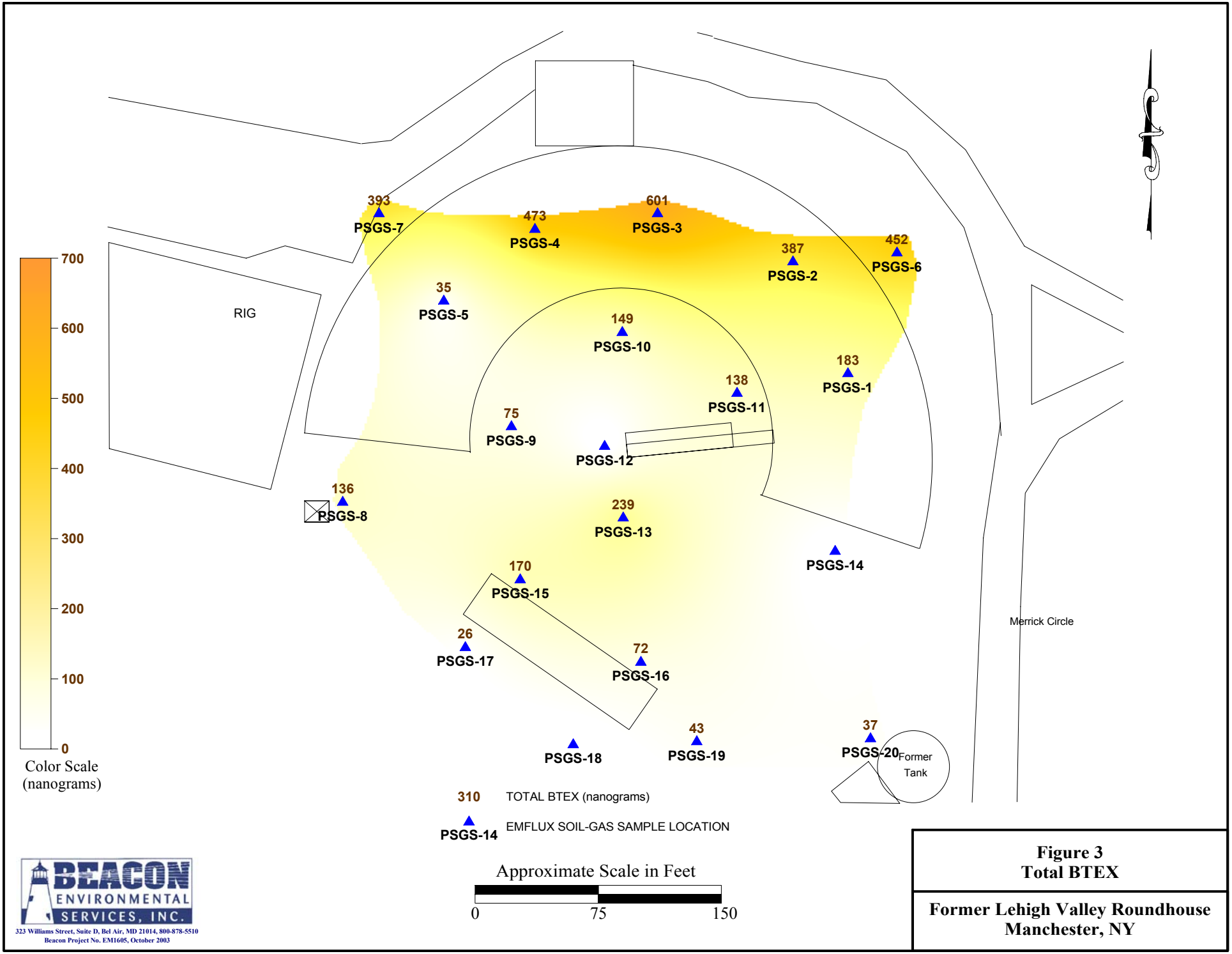
BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Beacon Project No. EM1605, October 2003

Figure 2
Tetrachloroethene

Former Lehigh Valley Roundhouse
Manchester, NY



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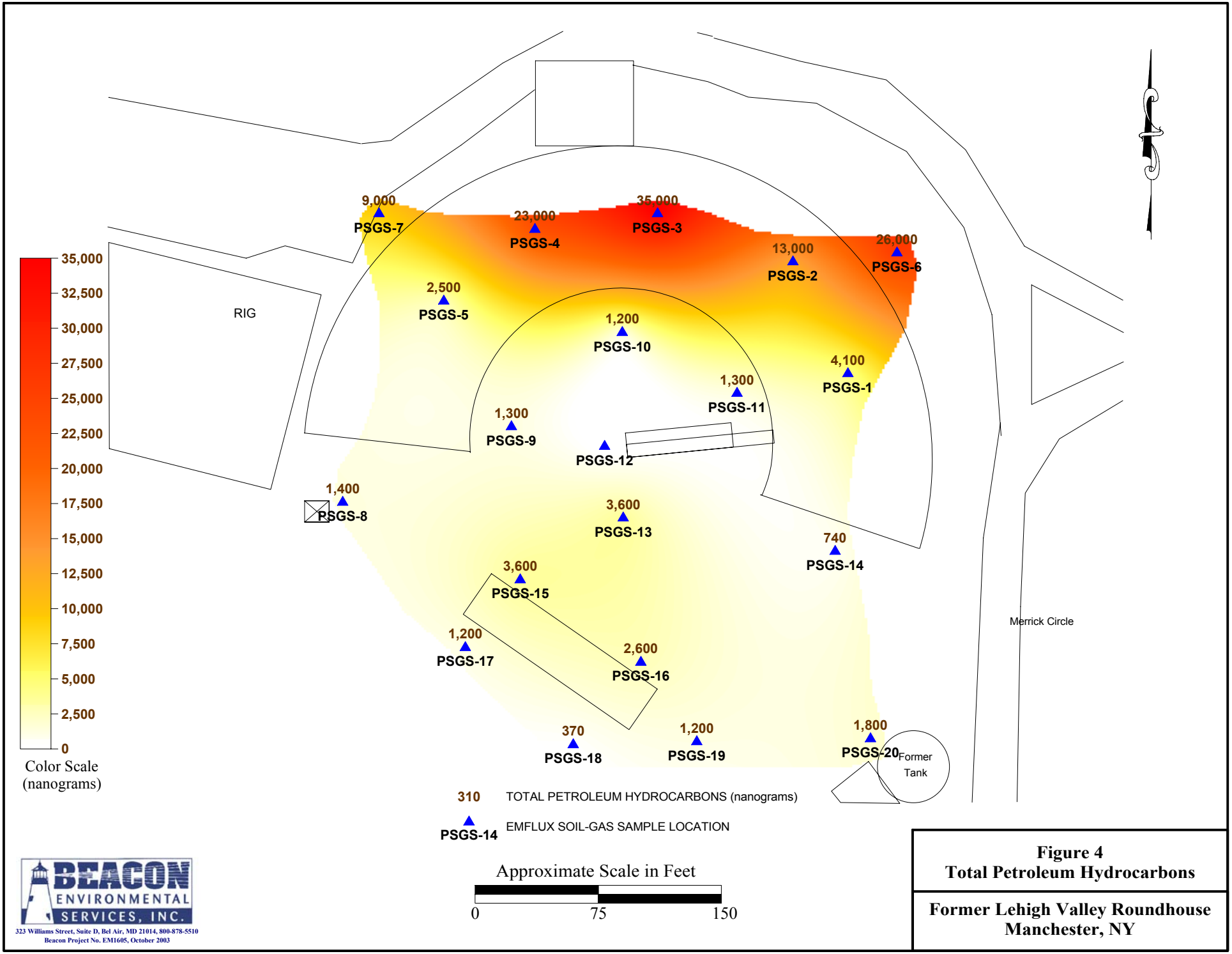
Beacon Project No. EM1605, October 2003

Figure 3
Total BTEX

Former Lehigh Valley Roundhouse
Manchester, NY



BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510
Beacon Project No. EM1605, October 2003

Figure 4
Total Petroleum Hydrocarbons

Former Lehigh Valley Roundhouse
Manchester, NY

Attachment 1

Laboratory Report

Attachment 1

EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-1	PSGS-2	PSGS-3	PSGS-4	PSGS-5	PSGS-6
COMPOUNDS						
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	**100**	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	**400**	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	**45**	**260**	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	**1,500**	**1,200**	<25	**43**	<25
Ethylene Dibromide	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
MTBE	<25	<25	<25	<25	<25	<25
Benzene	<25	**47**	<25	<25	<25	<25
Toluene	**43**	**100**	**120**	**66**	<25	**110**
Ethylbenzene	<25	<25	**41**	**47**	<25	**42**
Xylenes (total)	**140**	**240**	**440**	**360**	**35**	**300**
Total BTEX	**183**	**387**	**601**	**473**	**35**	**452**
Total Petroleum Hydrocarbons	**4,100**	**13,000**	**35,000**	**23,000**	**2,500**	**26,000**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms

Attachment 1
(continued)
EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-7	PSGS-8	PSGS-9	PSGS-10	PSGS-11	PSGS-11D
COMPOUNDS						
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	**310**	**61**	**30**
Ethylene Dibromide	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
MTBE	**72**	<25	<25	<25	<25	<25
Benzene	**100**	<25	<25	<25	<25	<25
Toluene	**93**	**60**	**37**	**52**	**41**	**25**
Ethylbenzene	<25	<25	<25	<25	<25	<25
Xylenes (total)	**200**	**76**	**38**	**97**	**97**	**58**
Total BTEX	**393**	**136**	**75**	**149**	**138**	**83**
Total Petroleum Hydrocarbons	**9,000**	**1,400**	**1,300**	**1,200**	**1,300**	**820**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms

Attachment 1
(continued)
EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-12	PSGS-13	PSGS-14	PSGS-15	PSGS-16	PSGS-17
COMPOUNDS						
1,1-Dichloroethene	<25	<25	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25	<25	<25
Tetrachloroethene	**130**	<25	**27**	**35**	**96**	<25
Ethylene Dibromide	<25	<25	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25	<25	<25
MTBE	<25	<25	<25	<25	<25	<25
Benzene	<25	<25	<25	<25	<25	<25
Toluene	<25	**89**	<25	**60**	**43**	<25
Ethylbenzene	<25	<25	<25	<25	<25	<25
Xylenes (total)	<25	**150**	<25	**110**	**29**	**26**
Total BTEX	<25	**239**	<25	**170**	**72**	**26**
Total Petroleum Hydrocarbons	<260	**3,600**	**740**	**3,600**	**2,600**	**1,200**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms

Attachment 1
(continued)
EMFLUX Passive Soil-Gas Survey
Former Lehigh Valley Roundhouse
Manchester, NY

Results in Nanograms (ng)
Analytical Method: EPA Method 8015B/8021
Analysis Completed: October 1, 2003

SAMPLE NO.	PSGS-18	PSGS-19	PSGS-20	Trip-1
COMPOUNDS				
1,1-Dichloroethene	<25	<25	<25	<25
Methylene Chloride	<25	<25	<25	<25
trans-1,2-Dichloroethene	<25	<25	<25	<25
1,1-Dichloroethane	<25	<25	<25	<25
cis-1,2-Dichloroethene	<25	<25	<25	<25
Chloroform	<25	<25	<25	<25
1,1,1-Trichloroethane	<25	<25	<25	<25
Carbon Tetrachloride	<25	<25	<25	<25
1,2-Dichloroethane	<25	<25	<25	<25
Trichloroethene	<25	<25	<25	<25
1,1,2-Trichloroethane	<25	<25	<25	<25
Tetrachloroethene	<25	<25	<25	<25
Ethylene Dibromide	<25	<25	<25	<25
Chlorobenzene	<25	<25	<25	<25
Bromoform	<25	<25	<25	<25
1,1,2,2-Tetrachloroethane	<25	<25	<25	<25
MTBE	<25	<25	<25	<25
Benzene	<25	<25	<25	<25
Toluene	<25	<25	<25	<25
Ethylbenzene	<25	<25	<25	<25
Xylenes (total)	<25	**43**	**37**	<25
Total BTEX	<25	**43**	**37**	<25
Total Petroleum Hydrocarbons	**370**	**1,200**	**1,800**	**360**

Reported Quantitation Level = 25 nanograms
Reported Quantitation Level for Total Petroleum Hydrocarbons = 260 nanograms

Attachment 2

FIELD PROCEDURES FOR EMFLUX® SOIL-GAS SURVEYS

The following field procedures are routinely used during EMFLUX® Soil-Gas Surveys. Modifications can be and are incorporated from time to time in response to individual project requirements. In all instances, BEACON adheres to EPA-approved Quality Assurance and Quality Control practices.

A. Field personnel carry EMFLUX® system components and support equipment to the site and deploy the EMFLUX® Collectors in a prearranged survey pattern. An EMFLUX® Collector consists of a glass vial containing hydrophobic adsorbent cartridges with a length of wire attached to the vial for retrieval. Although EMFLUX® Collectors require only one person for emplacement and retrieval, the specific number of field personnel required depends upon the scope and schedule of the project. Each Collector emplacement generally takes less than two minutes.

B. For those sample locations covered with soils or vegetation, a field technician clears vegetation and debris exposing the ground surface. Using a hammer and a ¾″-diameter pointed metal stake, the technician creates a hole approximately three inches deep. For those locations covered with an asphalt or concrete cap, the field technician drills a 1½″-diameter hole through the cap to the soils beneath. (If necessary, the Collector can be sleeved with a ¾″ i.d. copper pipe for either capped or uncapped locations).

C. The technician then removes the solid plastic cap from an EMFLUX® Collector and replaces it with a Sampling Cap (a plastic cap with a hole covered by screen meshing). The technician inserts the Collector, with the Sampling Cap end facing down, into the hole (**see attached figure**). The Collector is then covered with either local soils for uncapped locations or, for capped locations, aluminum foil and a concrete patch. The Collector's location, time and date of emplacement, and other relevant information are recorded on the Field Deployment Form.

D. One or more trip blanks are included as part of the quality-control procedures.

E. Once all EMFLUX® Collectors have been deployed, field personnel schedule Collector recovery and depart, taking all other equipment and materials with them.

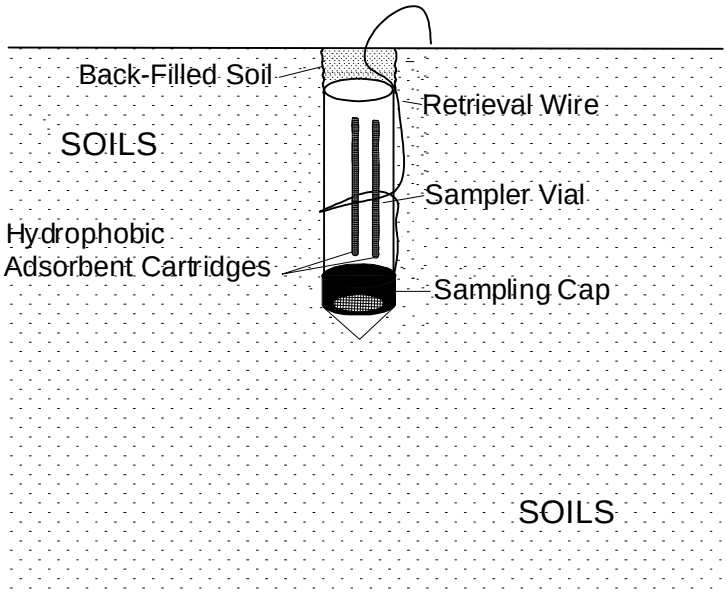
F. Field personnel retrieve the Collectors at the end of the exposure period. At each location, a field technician withdraws the Collector from its hole, removes the retrieval wire, and wipes the outside of the vial clean using gauze cloth; following removal of the Sampling Cap, the threads of the vial are also cleaned. A solid plastic cap is screwed onto the vial and the sample location number is written on the label. The technician then records sample-point location, date, time, etc. on the Field Deployment Form.

G. Sampling holes are refilled with soil, sand, or other suitable material. If Collectors have been installed through asphalt or concrete, the hole is filled to grade with a plug of cold patch or cement.

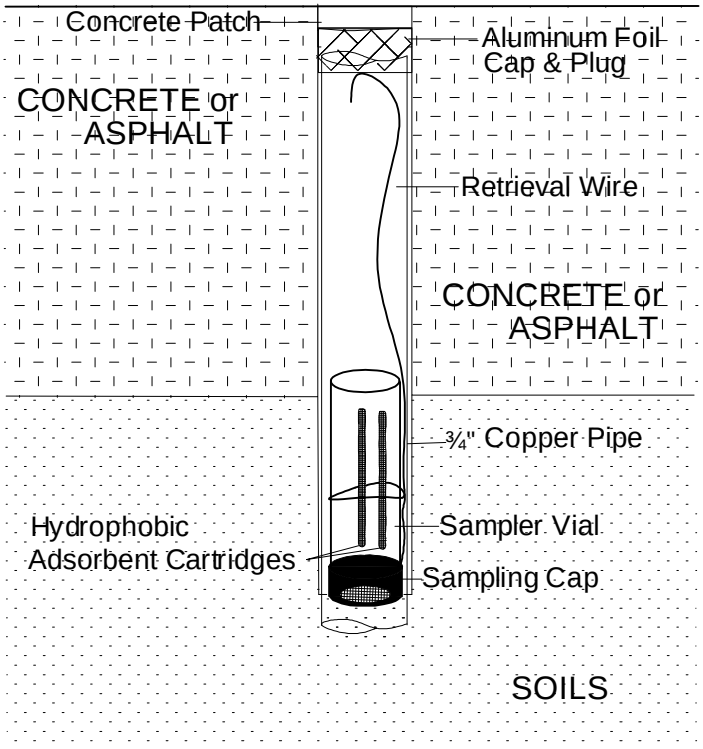
H. Following retrieval, field personnel ship or carry the EMFLUX® Collectors to the analytical laboratory.

EMFLUX® COLLECTOR

DEPLOYMENT IN SOILS



DEPLOYMENT THROUGH CONCRETE OR ASPHALT



Attachment 3

Field Deployment Report

EMFLUX PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

Project Information	
Beacon Project No.:	EM1605
Site Name:	Former Lehigh Valley Roundhouse
Site Location:	Manchester, NY

BEACON ENVIRONMENTAL SERVICES, INC.

323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Nature's Way Env. Consultants
Office Location:	Victor, NY
Samples Collected By:	

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, sampling hole depth, cartridge/vial condition)
	9/10/03	9/26/03	
8	10:10 AM	12:21 PM	12" Deep, in Native soil, near concrete Vault, condition good
~~5~~ 5	11:00 AM	10:19 AM	12" Deep, through concrete then Native, Far end of Building, good conditions
7	11:10 AM	12:45 PM	12" Deep, Native soil, near Door Far end of Building, good conditio
4	11:20 AM	10:07 AM	12" Deep. Native soil after concrete Floor, off of 7&5, good
3	11:30 AM	9:58 AM	12" Deep, concrete floor to Native soil, Between 4&2, good
6	11:50 AM	12:32 PM	12" Deep. Native soil, Outside near 3 in Load dock, good
2	12:00 PM	9:52 AM	12" Deep, through Floor to Native, between 1&3, good
1	12:10 PM	9:41 AM	12" Deep, through Floor to Native, Between 14 & 2, good
14	1:00 PM	9:19 AM	12" Deep, Native, Front Door, good
16	1:20 PM	10:35 AM	12" Deep, Native, near Door to Small Bldg. good.
15	1:30 PM	10:43 AM	12" Deep, Native, near Sliding Door small Bldg. good
13	1:35 PM	10:52 AM	12" Deep, Native, Off road, good
9	1:40 PM	11:26 AM	12" Deep, Native, OFF Road in Circle, good
10	1:50 PM	11:35 AM	12" Deep, Native, OFF Road in circle middle, good
11	1:58 PM	11:46	12" Deep, Native, OFF Road in circle, good

EMFLUX PASSIVE SOIL-GAS SURVEY
FIELD DEPLOYMENT REPORT

FIELD SAMPLE ID	Date Emplaced / Time Emplaced	Date Retrieved / Time Retrieved	FIELD NOTES (e.g., asphalt/concrete covering, description of sample location, cartridge/vial condition)
12	2:03 PM	11:52 AM	12" Deep, Native, Near Hall stick out, good
20	2:16 PM	11:03 AM	12" Deep, Native, Near old TANK, good
19	2:30 PM	11:14 AM	12" Deep, Native, Near old Burn Barrell, good
18	2:43 PM	12:07 PM	12" Deep, Native, Behind old condensed Bldg, good
17	2:56 PM	12:12 PM	12" Deep, Native, Near old tank Cradle behind Bldg, good
			Native soil is Black mud/Fine sand with gravel and ash.

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Attachment 4

LABORATORY PROCEDURES FOR EMFLUX® ADSORBENT CARTRIDGES

Following are laboratory procedures used with the EMFLUX® Soil-Gas System, a screening technology for expedited site investigation. After exposure, EMFLUX® cartridges are analyzed using U.S. EPA Method 8015B/8021 as described in the Solid Waste Manual (SW-846) for screening purposes. This method, which is modified to accommodate thermal desorption screening of the adsorbent cartridges, uses a capillary gas chromatograph (GC) with a photo ionization detector (PID) in series with a flame ionization detector (FID) in series with a dry electrolytic conductivity detector (DELCD). This procedure is summarized below:

A. EMFLUX® cartridges are placed in the thermal desorbtion chamber, where they are purged with carrier gas then desorbed into the capillary column. The capillary column separates the sample into single component analytes. Analytes in the carrier gas are detected by a PID, then by an FID and then by a DELCD.

B. The laboratory uses a 105-m, 0.53-mm-i.d., 3 µm-film-thickness MXT-624 capillary column for separation during analysis.

C. The PID is set on high gain, the FID and DELCD are set at low gain; ultra zero grade dry air is used for the FID and DELCD; the air pressure for the FID is set at 10 psi, the Hydrogen for the FID is set at 23 psi.

D. Lab personnel conduct internal control blank and internal control verification analyses daily to ensure that the system is contaminant free and properly calibrated. The system is calibrated using the external standard calibration procedure to at least three different concentration levels for each compound targeted, with the lowest concentration level at or near the method detection limit. Internal control verification and continuing control verification were performed daily.

E. The instrumentation used for these analyses is an SRI 8610 Gas Chromatograph, connected to a PID in series with an FID in series with a DELCD and equipped with a thermal desorber.

Attachment 5

Chain-of-Custody Form

CHAIN-OF-CUSTODY
EMFLUX PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1605
Site Name:	Former Lehigh Valley Roundhouse
Site Location:	Manchester, NY
Analytical Method:	EMFLUX Method 8015B/8021
Target Compounds:	EMFLUX EPA Method 8015B/8021 TCL

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Nature's Way Env. Consultants
Office Location:	Victor, NY
Samples Submitted By:	David Dake / Robert Trent (For NYSDEC)
Contact Phone No.:	(315) 935-9818

Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy) Condition of sample or vial	Date	Time	Initial
Trip-1					
PSGS 14			9/26/03	9:19	
PSGS 1			9/26/03	9:41	
PSGS 2			9/26/03	9:52	
PSGS 3			9/26/03	9:58	
PSGS-4			9/26/03	10:07	
PSGS-5			9/26/03	10:19	
PSGS-16			9/26/03	10:35	
PSGS-15			9/26/03	10:43	
PSGS-13			9/26/03	10:52	
PSGS-20			9/26/03	11:03	
PSGS-19			9/26/03	11:14	
PSGS-9			9/26/03	11:26	
PSGS-10			9/26/03	11:35	
PSGS-11			9/26/03	11:46	
PSGS-11D			9/26/03	11:46	
PSGS-12			9/26/03	11:52	
PSGS-18			9/26/03	12:07	
PSGS-17			9/26/03	12:12	
PSGS-8			9/26/03	12:21	

Shipment of Field Kit to Site — Custody Seal # 00284086 **Intact?** (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Schneider	09/08/03 - 1700	FEDEX	David B. Dake	9/9/03 3:00pm
David B. Dake	9/10/03 900AM	—	Robert Trent	9/10/03 9:00AM

Shipment of Field Kit to Laboratory — Custody Seal # 00284055 **Intact?** (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Robert Trent	9/26/03 4:00pm		Ryan Schneider	9/26/03 4:00PM
Ryan Schneider to FedEx	9/29/03 11:00AM	Fed Ex	Ryan Schneider	09/30/03 - 10:00 AM

CHAIN-OF-CUSTODY
EMFLUX PASSIVE SOIL-GAS SAMPLES

Project Information	
Beacon Project No.:	EM1605
Site Name:	Former Lehigh Valley Roundhouse
Site Location:	Manchester, NY
Analytical Method:	EMFLUX Method 8015B/8021
Target Compounds:	EMFLUX EPA Method 8015B/8021 TCL

BEACON ENVIRONMENTAL SERVICES, INC.
323 Williams Street, Suite D, Bel Air, MD 21014, 800-878-5510

Client Information	
Company Name:	Nature's Way Env. Consultants
Office Location:	Victor, NY
Samples Submitted By:	David Pake (Project Tech for NYSEG)
Contact Phone No.:	(315) 635-9819

Field Sample ID	Lab Sample ID (for lab use only)	Comments (only necessary if problem or discrepancy)			
		Condition of sample or vial	Date	Time	Initial
PSGS-6		Vial was in ground water!	9/26/03	12:32	RT
PSGS-7		Vial was in ground water	9/26/03	12:45	RT

Shipment of Field Kit to Site — Custody Seal # 00284086 Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
Ryan Schneider	09/08/03 - 1700	FEDEX	see page 1 of 2	

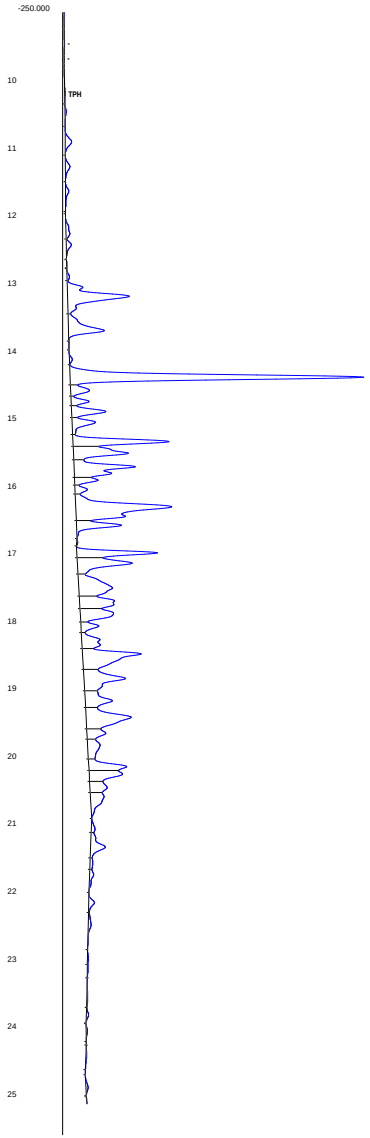
Shipment of Field Kit to Laboratory — Custody Seal # Intact? (Y) N

Relinquished by:	Date/Time	Courier	Received by:	Date/Time
				see page 1 of 2

Attachment 6

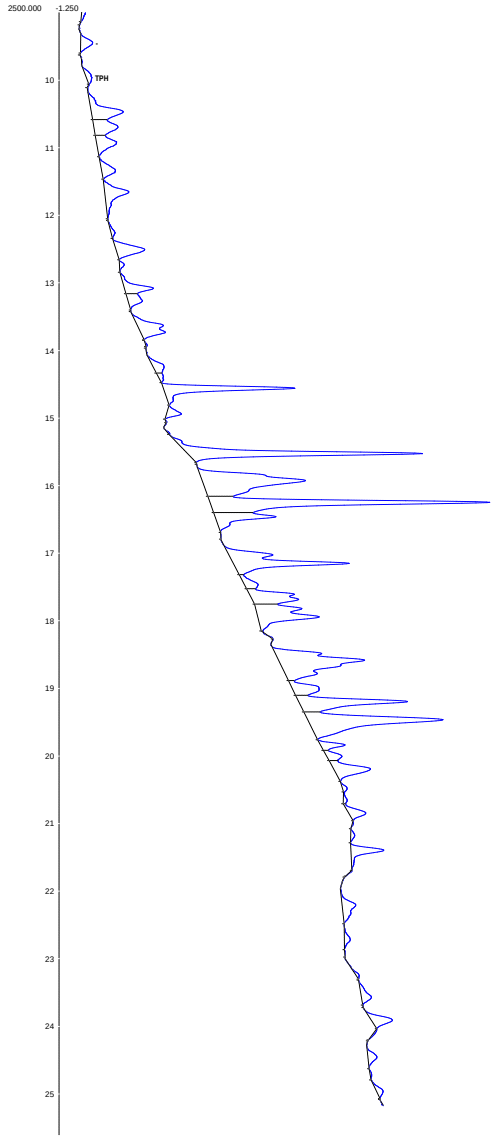
TPH Chromatograms

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 09:14:42
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct104.CHR (c:\peak2000)
Sample: PSGS-1
Operator: Steve Thornley
QC batch: EM1605



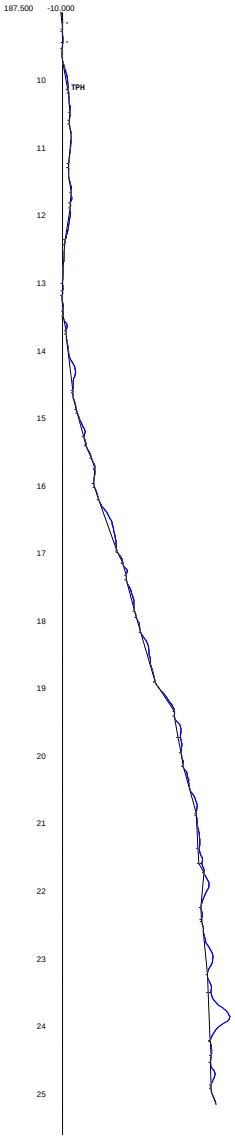
Component	External	Units
TPH	4080.0670	ng
	4080.0670	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 08:49:32
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct103.CHR (c:\peak2000)
Sample: Trip 1
Operator: Steve Thornley
QC batch: EM1605



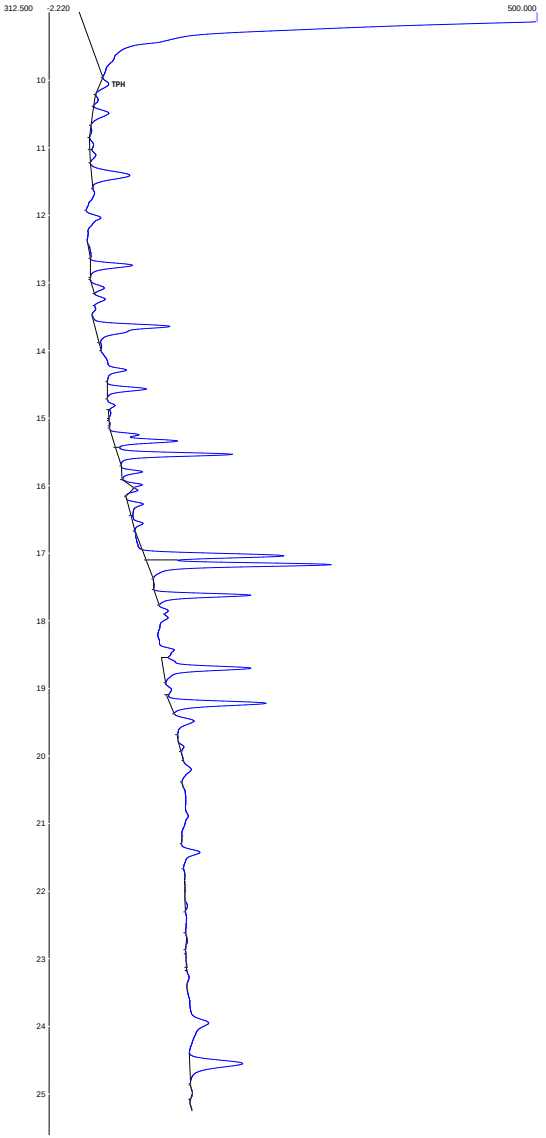
Component	External	Units
TPH	358.3074	ng
	358.3074	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 08:24:23
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct102.CHR (c:\peak2000)
Sample: blank
Operator: Steve Thornley
QC batch: EM1605



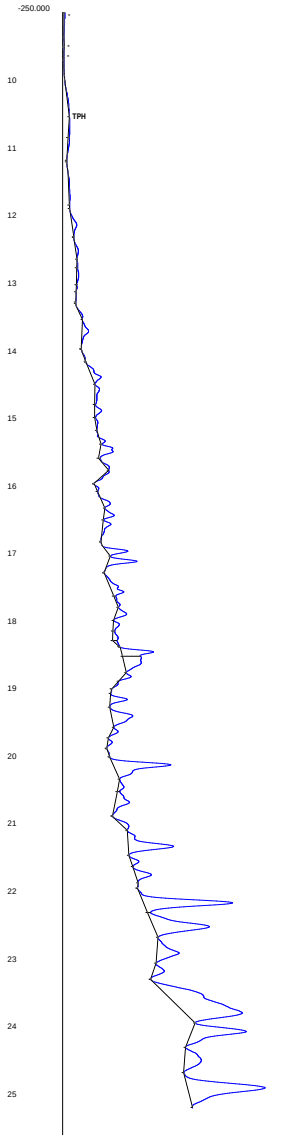
Component	External	Units
TPH	60.3427	ng
	60.3427	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 07:59:08
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct101.CHR (c:\peak2000)
Sample: 0.15 uL 93456
Operator: Steve Thornley
QC batch: EM1605



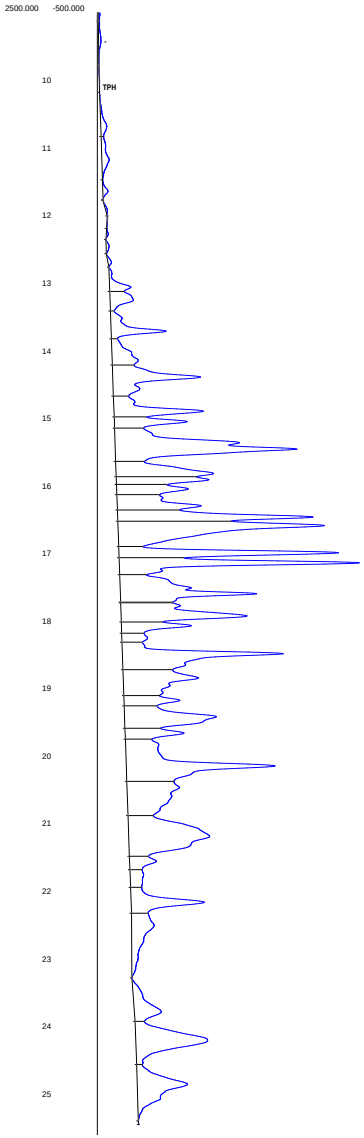
Component	External	Units
TPH	397.0422	ng
	397.0422	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 10:57:00
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct108.CHR (c:\peak2000)
Sample: PSGS-5
Operator: Steve Thornley
QC batch: EM1605



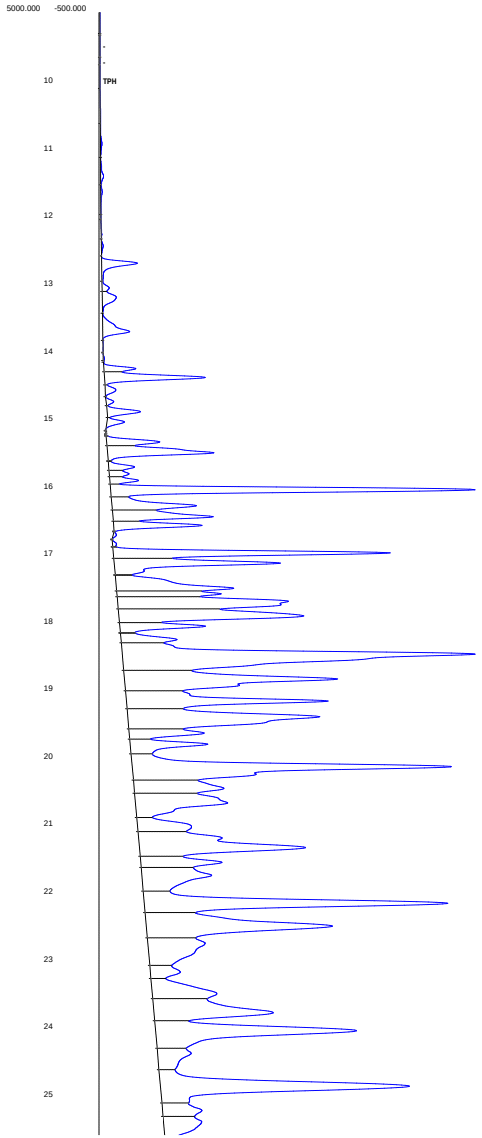
Component	External	Units
TPH	2483.4959	ng
	2483.4959	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 10:31:33
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct107.CHR (c:\peak2000)
Sample: PSGS-4
Operator: Steve Thornley
QC batch: EM1605



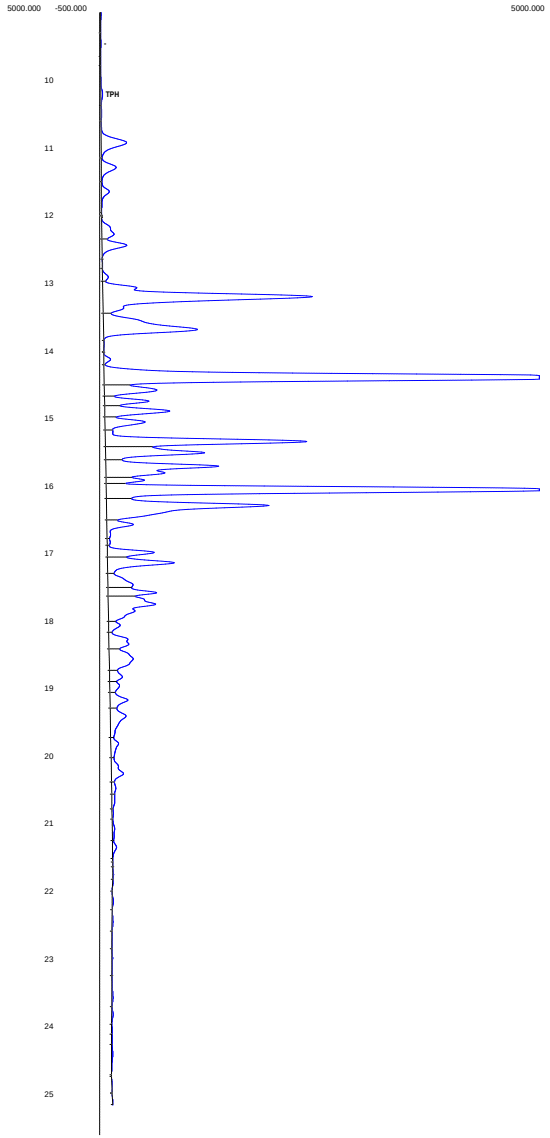
Component	External	Units
TPH	23399.3860	ng
	23399.3860	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 10:05:01
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct106.CHR (c:\peak2000)
Sample: PSGS-3
Operator: Steve Thornley
QC batch: EM1605



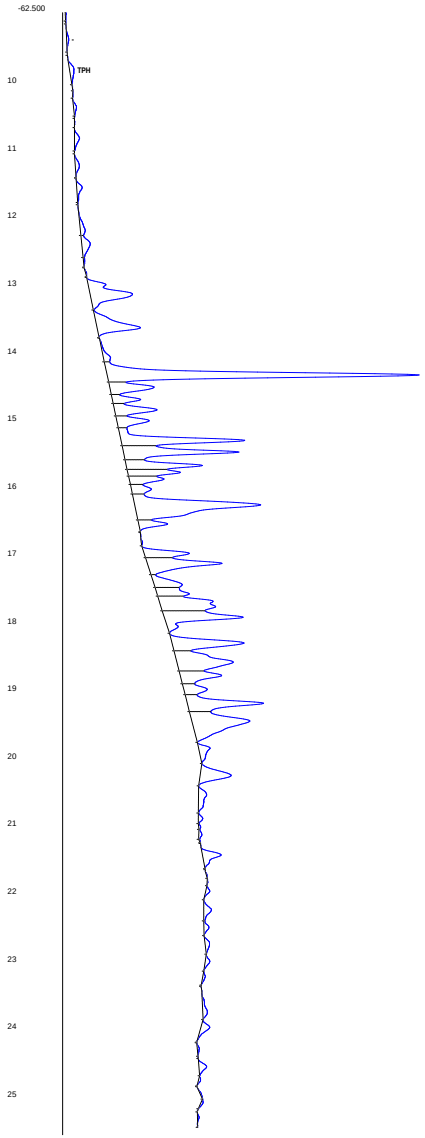
Component	External	Units
TPH	34650.0105	ng
	34650.0105	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 09:39:52
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct105.CHR (c:\peak2000)
Sample: PSGS-2
Operator: Steve Thornley
QC batch: EM1605



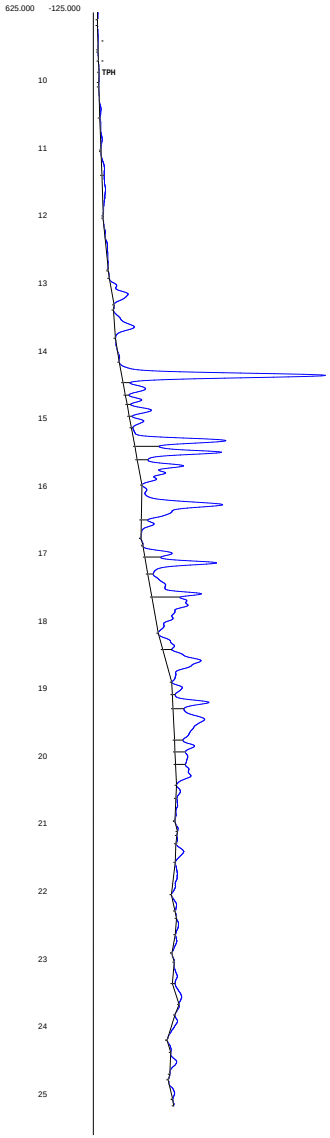
Component	External	Units
TPH	13096.8709	ng
	13096.8709	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 12:39:55
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct112.CHR (c:\peak2000)
Sample: PSGS-9
Operator: Steve Thornley
QC batch: EM1605



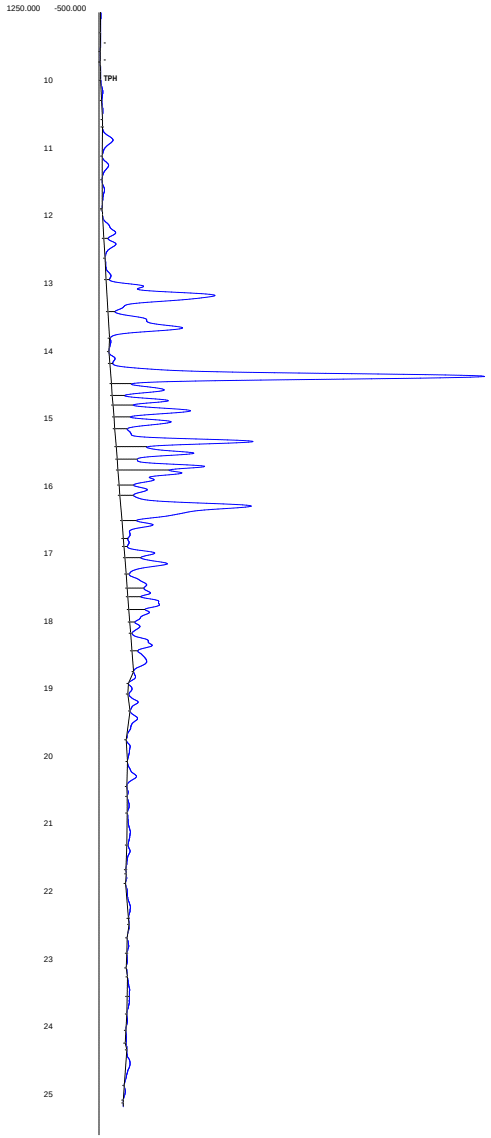
Component	External	Units
TPH	1295.3644	ng
	1295.3644	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 12:14:44
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct111.CHR (c:\peak2000)
Sample: PSGS-8
Operator: Steve Thornley
QC batch: EM1605



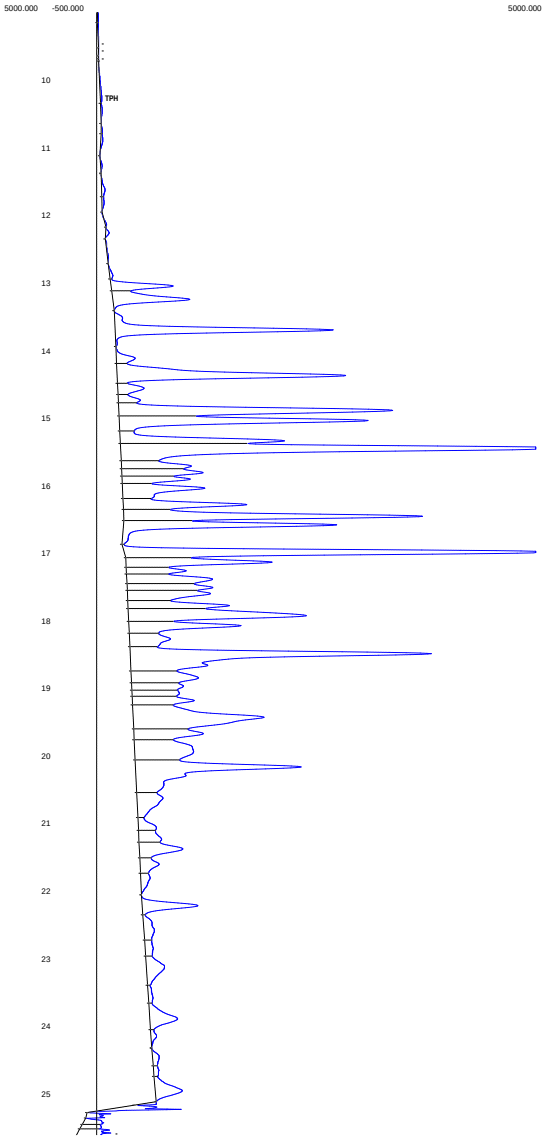
Component	External	Units
TPH	1442.6298	ng
	1442.6298	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 11:49:31
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct110.CHR (c:\peak2000)
Sample: PSGS-7
Operator: Steve Thornley
QC batch: EM1605



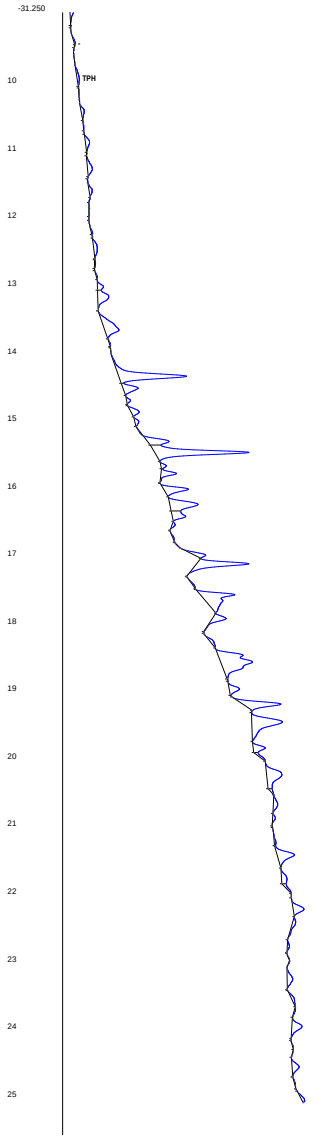
Component	External	Units
TPH	9022.0204	ng
	9022.0204	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 11:22:13
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct109.CHR (c:\peak2000)
Sample: PSGS-6
Operator: Steve Thornley
QC batch: EM1605



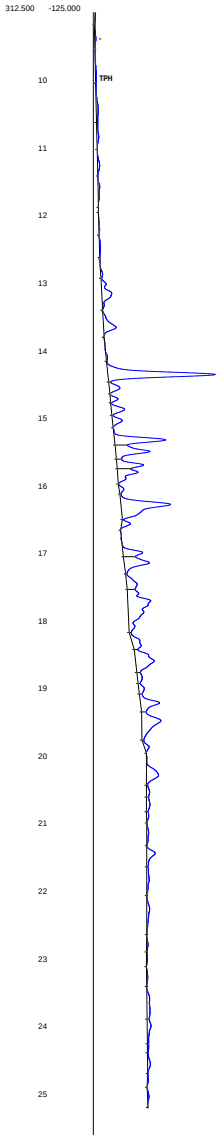
Component	External	Units
TPH	25926.1161	ng
	25926.1161	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 14:20:56
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct116.CHR (c:\peak2000)
Sample: PSGS-12
Operator: Steve Thornley
QC batch: EM1605



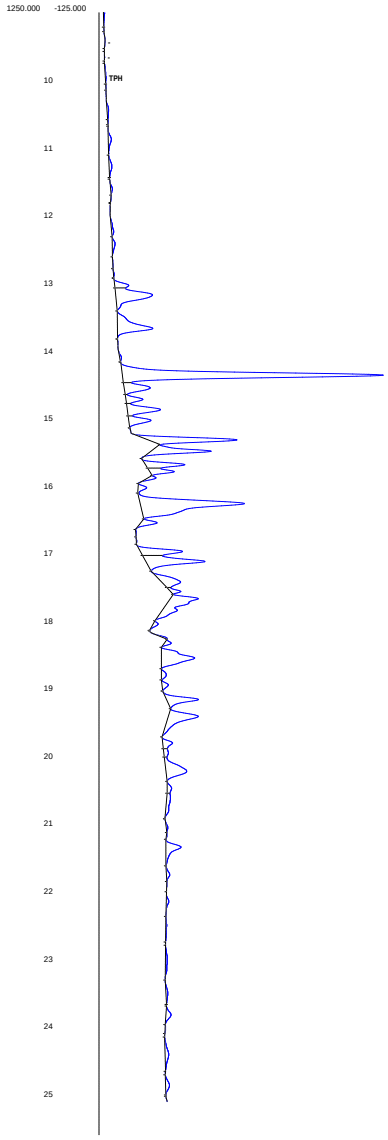
Component	External	Units
TPH	202.8479	ng
	202.8479	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 13:55:43
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct115.CHR (c:\peak2000)
Sample: PSGS-11 Duplicate
Operator: Steve Thornley
QC batch: EM1605



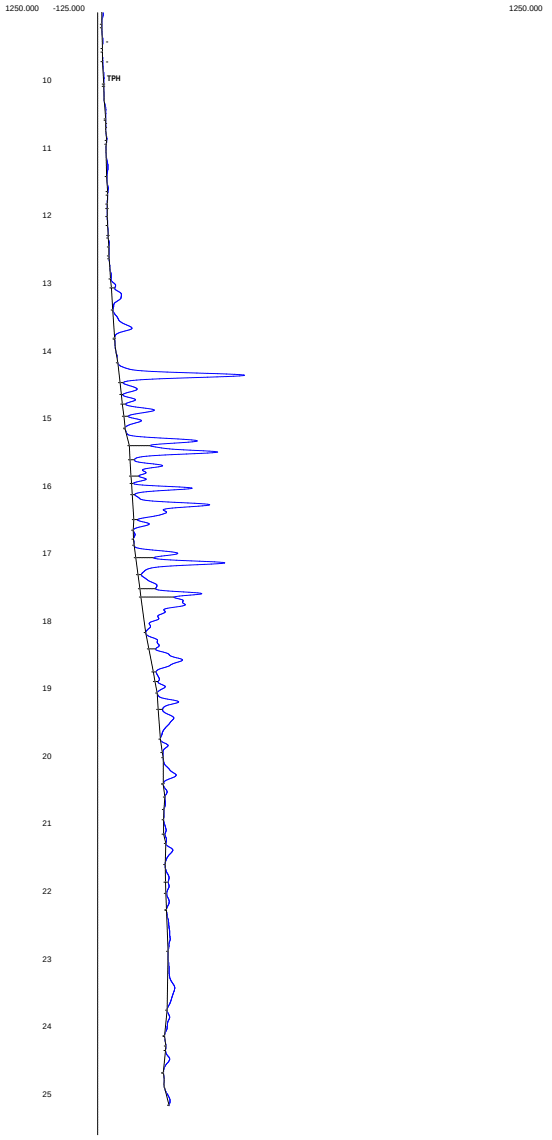
Component	External	Units
TPH	822.7664	ng
	822.7664	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 13:30:36
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct114.CHR (c:\peak2000)
Sample: PSGS-11
Operator: Steve Thornley
QC batch: EM1605



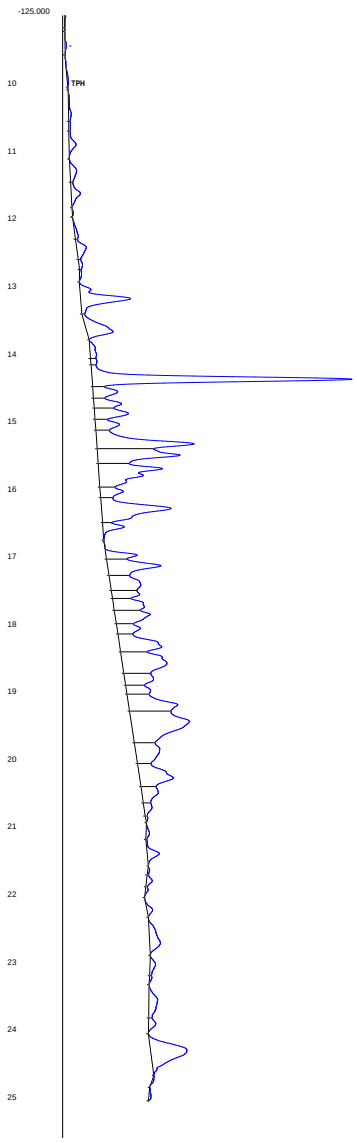
Component	External	Units
TPH	1324.6056	ng
	1324.6056	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 13:05:25
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct113.CHR (c:\peak2000)
Sample: PSGS-10
Operator: Steve Thornley
QC batch: EM1605



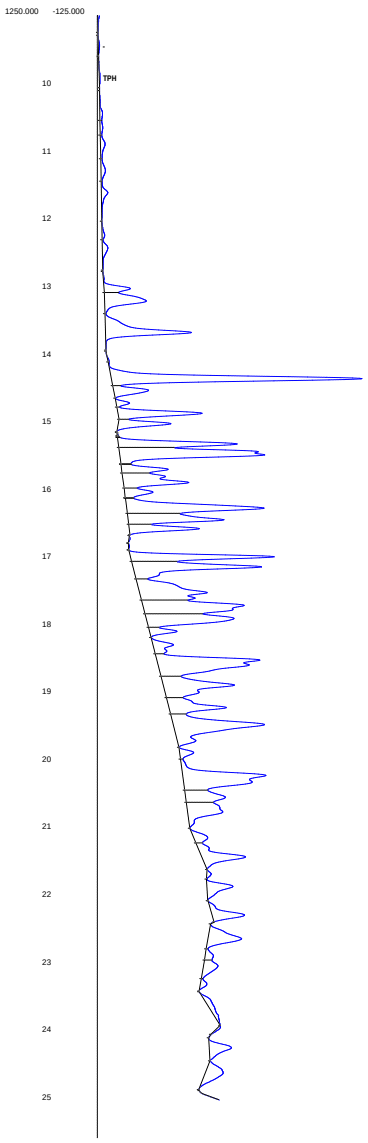
Component	External	Units
TPH	1194.3610	ng
	1194.3610	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 16:01:20
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct120.CHR (c:\peak2000)
Sample: PSGS-16
Operator: Steve Thornley
QC batch: EM1605



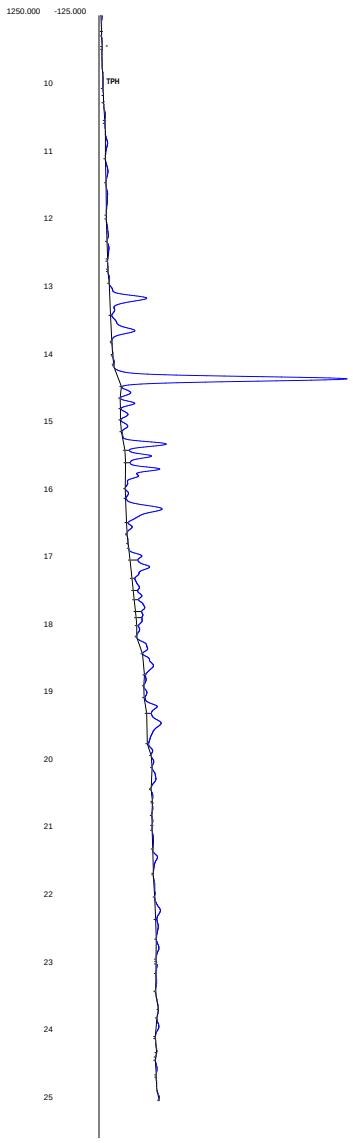
Component	External	Units
TPH	2596.1399	ng
	2596.1399	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 15:36:18
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct119.CHR (c:\peak2000)
Sample: PSGS-15
Operator: Steve Thornley
QC batch: EM1605



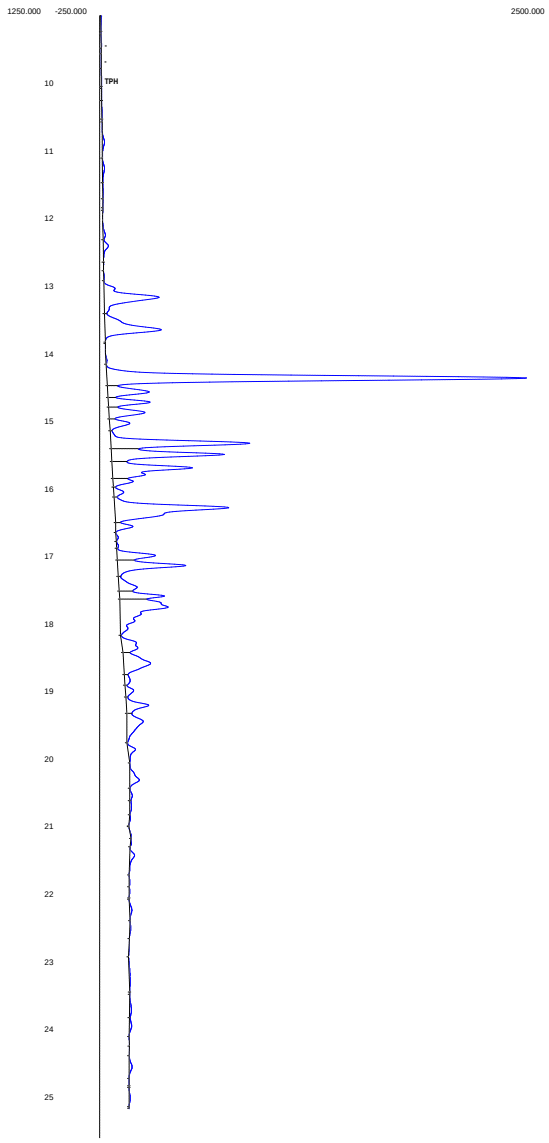
Component	External	Units
TPH	3559.9403	ng
	3559.9403	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 15:11:15
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct118.CHR (c:\peak2000)
Sample: PSGS-14
Operator: Steve Thornley
QC batch: EM1605



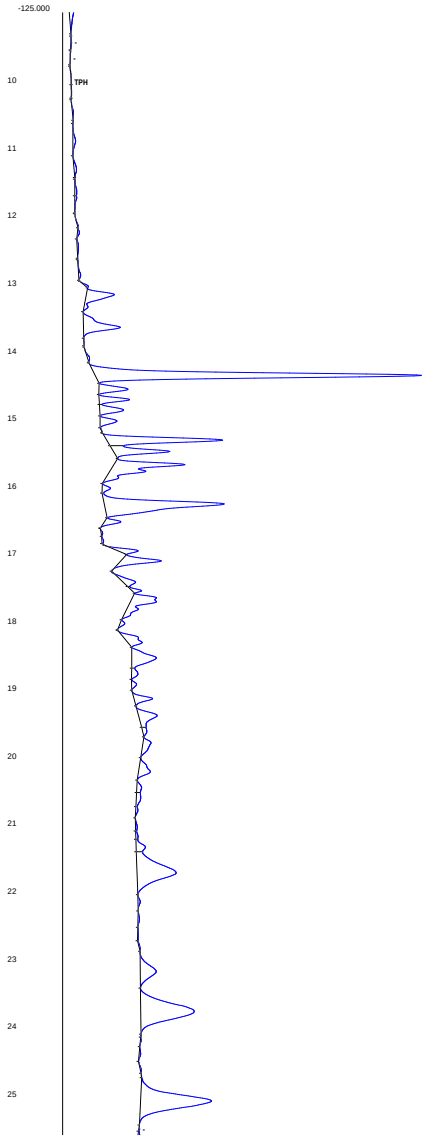
Component	External	Units
TPH	736.8379	ng
	736.8379	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 14:46:04
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct117.CHR (c:\peak2000)
Sample: PSGS-13
Operator: Steve Thornley
QC batch: EM1605



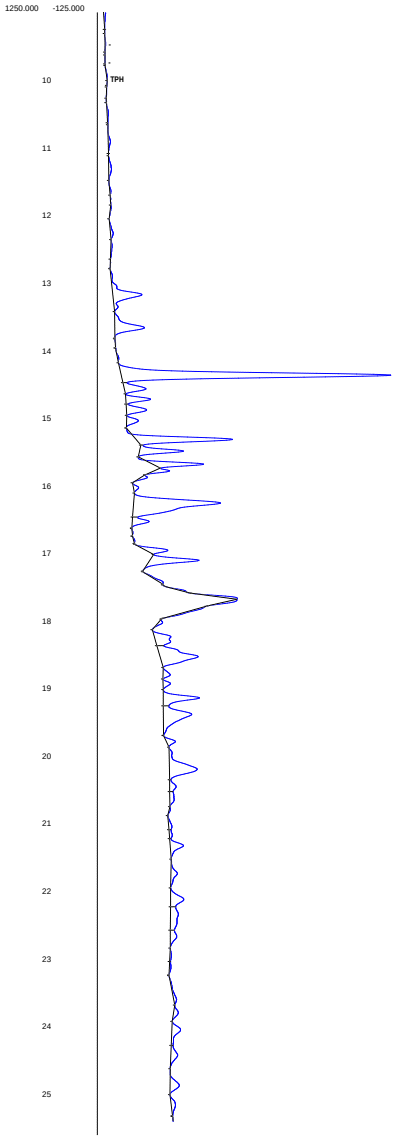
Component	External	Units
TPH	3589.1043	ng
	3589.1043	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 17:41:54
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct124.CHR (c:\peak2000)
Sample: PSGS-20
Operator: Steve Thornley
QC batch: EM1605



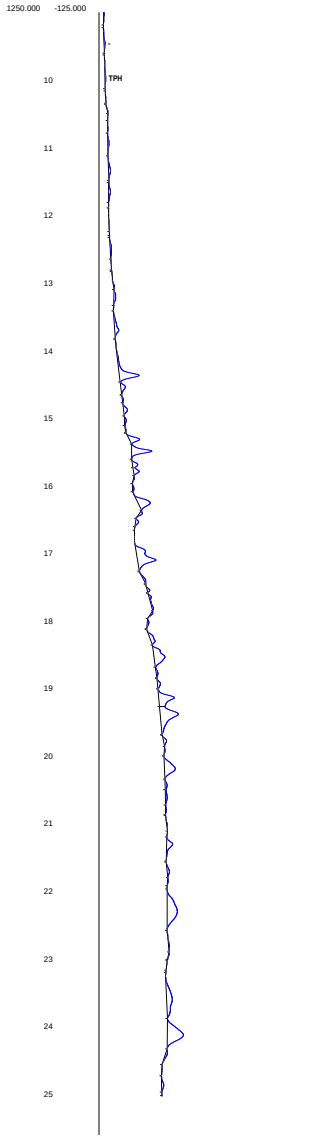
Component	External	Units
TPH	1768.5642	ng
	1768.5642	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 17:16:29
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct123.CHR (c:\peak2000)
Sample: PSGS-19
Operator: Steve Thornley
QC batch: EM1605



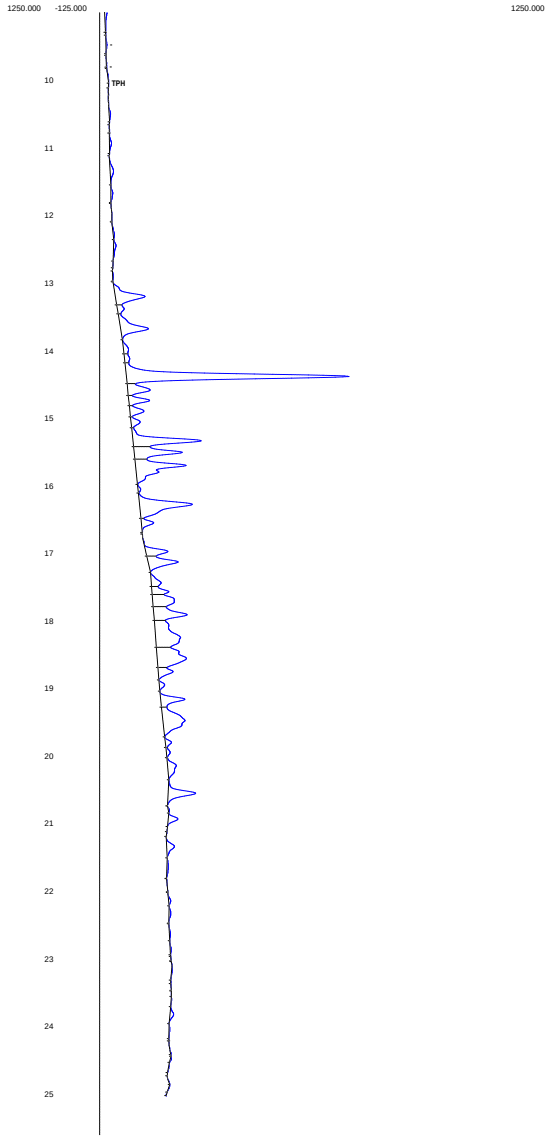
Component	External	Units
TPH	1246.9041	ng
	1246.9041	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 16:51:27
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct122.CHR (c:\peak2000)
Sample: PSGS-18
Operator: Steve Thornley
QC batch: EM1605



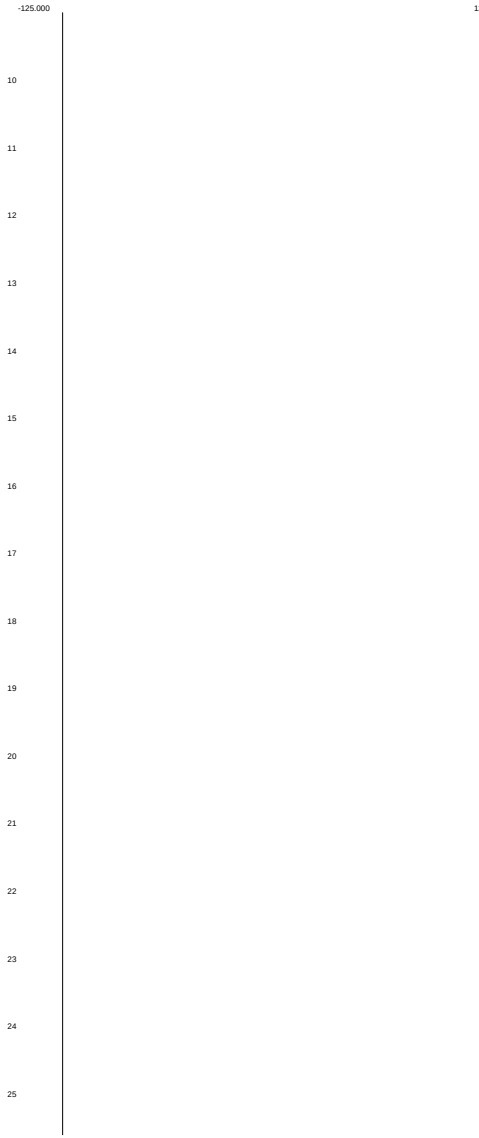
Component	External	Units
TPH	366.2247	ng
	366.2247	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 16:26:25
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct121.CHR (c:\peak2000)
Sample: PSGS-17
Operator: Steve Thornley
QC batch: EM1605



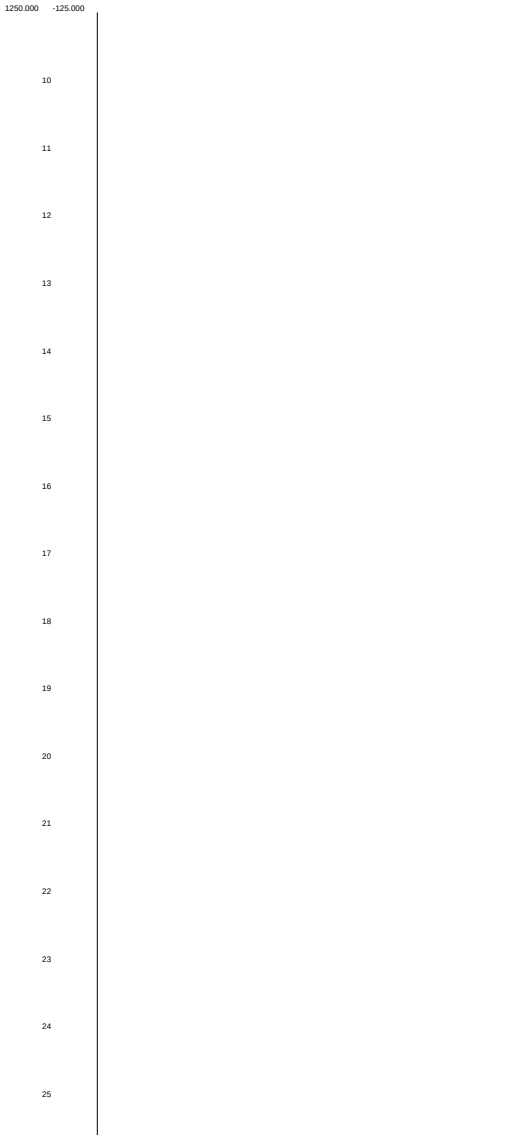
Component	External	Units
TPH	1198.4394	ng
	1198.4394	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date:
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file:
Sample:
Operator: Steve Thornley
QC batch: EM1605



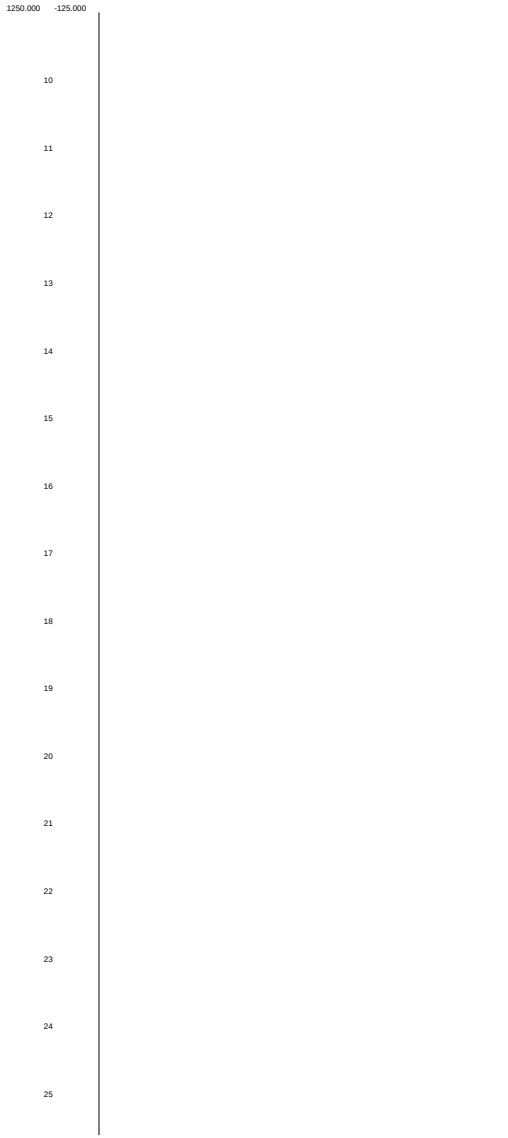
Component	External	Units
	0.0000	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date:
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file:
Sample:
Operator: Steve Thornley
QC batch: EM1605



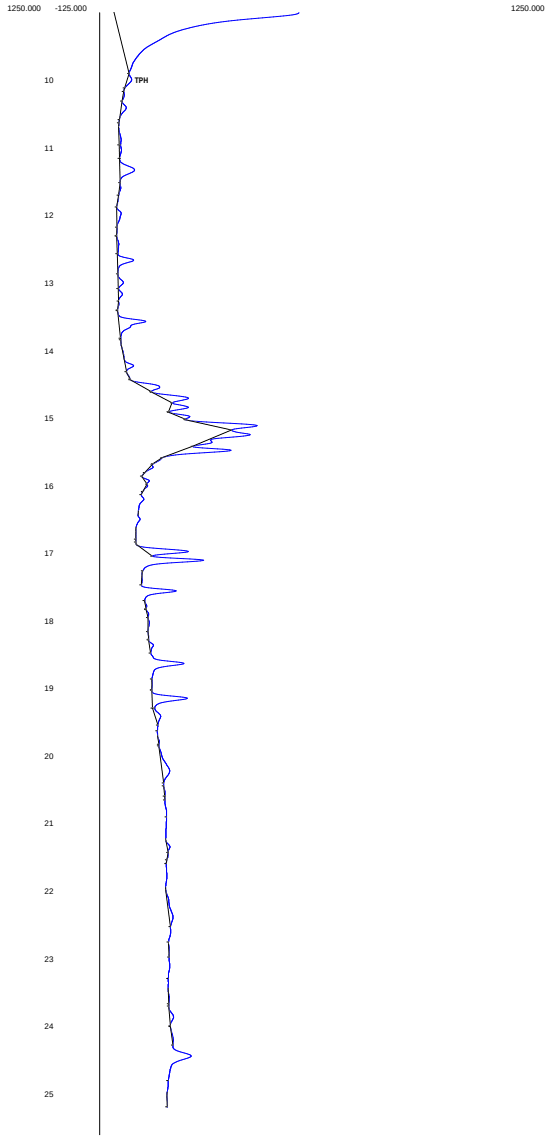
Component	External	Units
	0.0000	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date:
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file:
Sample:
Operator: Steve Thornley
QC batch: EM1605



Component	External	Units
	0.0000	

Lab name: Beacon Environmental
Client: Nature's Way
Analysis date: 10/01/2003 18:08:31
Method: EPA METHOD 8015 B
Description: FID
Column: 624 105M 3um 0.53 mm id
Carrier: Helium
Data file: Foct125.CHR (c:\peak2000)
Sample: 0.15 uL 93456
Operator: Steve Thornley
QC batch: EM1605



Component	External	Units
TPH	405.6385	ng
	405.6385	

APPENDIX B

SOIL BORING & WELL CONSTRUCTION LOGS

NATURE'S WAY
ENVIRONMENTAL CONSULTANTS & CONTRACTORS, INC.

CRITTENDEN
(716) 937-6527
SYRACUSE
(315) 635-9818

August 9, 2004

Mr. Greg MacLean
NYSDEC Region 8
6274 East Avon-Lima Road
Avon, NY 14414-9519

Dear Mr. MacLean:

Enclosed are the boring logs and well construction data for the soil borings advanced by Nature's Way in July 2004 as requested. Included are groundwater elevations and a flow map constructed for July 13, 2004.

If you have any questions or require further information, please do not hesitate to contact me at (315) 635-9818.

Sincerely,
Nature's Way Environmental Consultants & Contractors, Inc.

David Mohler
Project Manager/Geologist

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Enclosures: Table 1 – Groundwater Elevations
Figure 1 – Groundwater Elevations and Flow 7/13/04
Boring Logs

Table 1 - Groundwater Elevations

NYSDEC Region 8 - Manchester/Lehigh Valley Roundhouse
Manchester, Ontario County, New York

Date	SBG-3	SBG-5	SBG-6	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Top-of-Casing:*	*96.93*	*99.17*	*99.43*	*97.88*	*97.24*	*99.72*	*98.35*	*100.36*	*96.78*
7/9/04	NG	NG	NG	90.84	NI	NG	88.13	NG	NI
7/12/04	NG	NG	NG	NG	NG	87.25	NG	88.34	NG
7/13/04	NG	NG	NG	90.97	89.69	87.01	88.29	88.43	87.49

All figures are in feet.
*Top of casing elevation data for SBG wells obtained from NYSDEC.

NI = Not Installed
NG = Not Gauged

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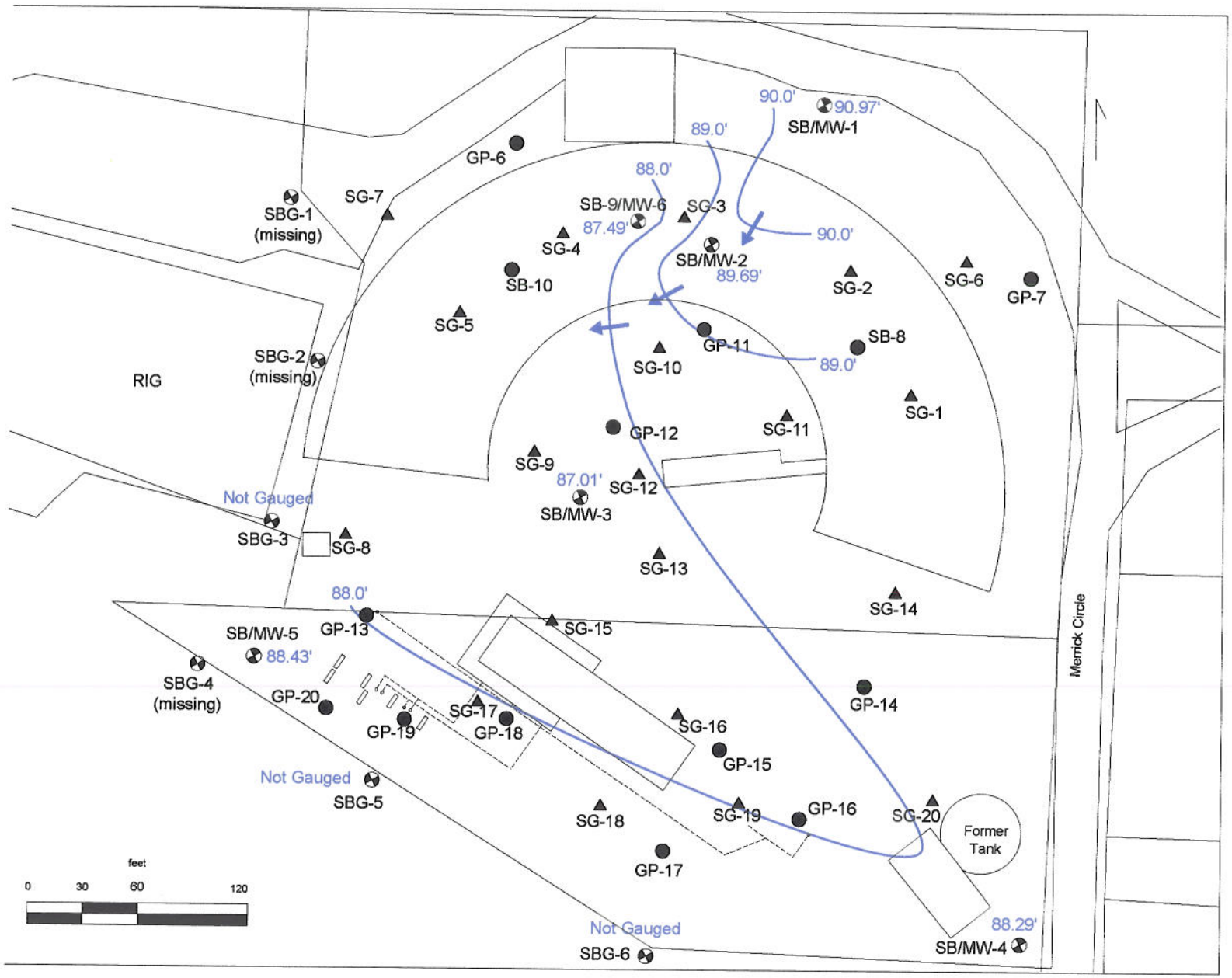

---- Underground Fuel Oil Piping (approx. location)

▲ SG = Passive Soil Gas Sampling Location

● GP = Geoprobe Soil Boring

● SB = Soil Boring (drill rig)

MW = Monitoring Well

SBG = Sear Brown Geoprobe Well (located on adjacent RIG property)

88.43' Groundwater Elevation

Groundwater Flow Direction

Groundwater Contour

Nature's Way
Environmental Consultants & Contractors, Inc.

PROJECT NAME: Former Lehigh Valley Roundhouse, 8-35-018		
MAP TITLE: Groundwater Elevations and Flow 7/13/04.	SCALE 1" = 60'	
	DRAFTED BY DM	DATE 7/21/2004

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BORE HOLE: SB-1/MW-1

DATE: 7/7/04

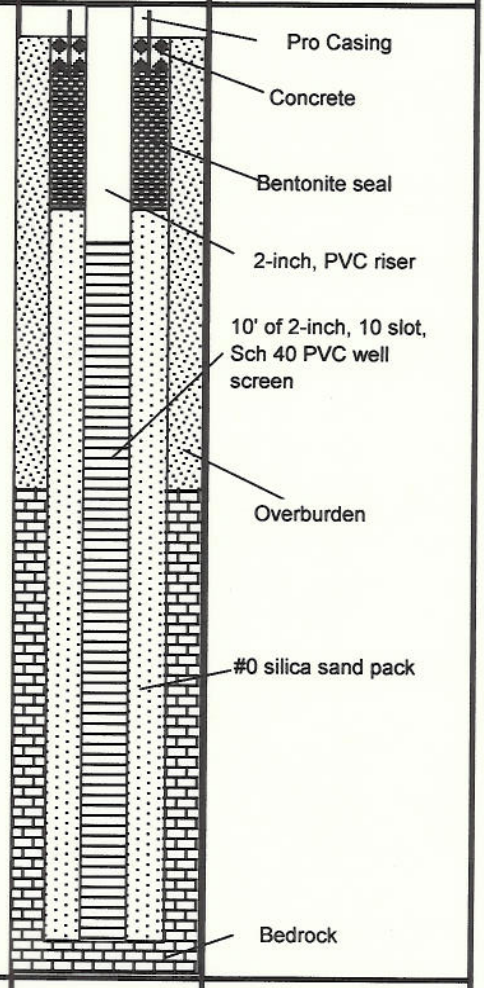
ELEVATION: 97.88'

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near loading docks at northeast corner of building.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1	30					0.5	0'-2': FILL, gravel, sand, dry no petroleum odor.	0		
			17			27					
				10							
2'					6						
	2	7					1	2'-4': Brown SAND and clay, dry slight Petroleum Odor Present.	10.5		
			12			28					
				16							
4'					18						
	3	19					1	4'-6': Brown to gray sandy TILL, dry, slight Petroleum Odor Present.	22.2		
			34			82					
				48							
6'					50/3						
	4	50/4					0	6'-6.5': No Recovery - refusal at bedrock			
	5						4	6.5'-10.5': Gray fossiliferous LIMESTONE highly fractured with calcite veining, Strong Petroleum Odor Present.			
8'											
10'											
	6						2.5	10.5'-13.5': Gray LIMESTONE some fossils present, no petroleum odor at bottom of core.			
12'											
14'								**Bottom of Core at 13.5' BG.**		**Well Set at 13' BG.**	
16'											
18'											



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BORE HOLE: SB-2/MW-2

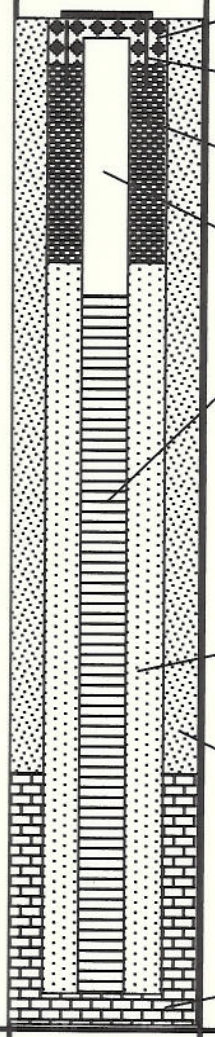
DATE: 7/12/04 ELEVATION: 97.24'

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Inside roundhouse, near center of building.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1	12					1.5	0'-2': Black FILL, cinders, sand, dry, no petroleum odor.	0.0		
			12			24					
				12							
2'					6						
	2	11					1	2'-4': Black FILL, cinders, sand, dry, no petroleum odor. Metal and brick fragments in tip of spoon.	0.0		
			4			14					
				10							
4'					14						
	3	8					0	4'-6': Brick lodged in spoon, no recovery.	--		
			50/1			50					
				--							
6'					--						
	4	18					1	6'-8: Brown SAND and gravel, unsorted, Slight Solvent Odor Present.	4.2		
			20			43					
				23							
8'					25						
	5	50/4					0	8'-9': No recovery.	--		
			--			--					
	6	24					1	9'-11': Gray TILL, limestone clast in tip of spoon. Slight Odor Present. Auger refusal at 10.8' BG.	3.0		
10'			48			98					
				50/3							
					--						
	7						3.7	10.8'-14.5': Gray LIMESTONE, highly fractured, calcite veining, no petroleum odor	0.0		
12'											
14'											
16'								**Bottom of Core at 14.5' BG.**		**Well Set at 14' BG.**	
18'											



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BORE HOLE: SB-3/MW-3

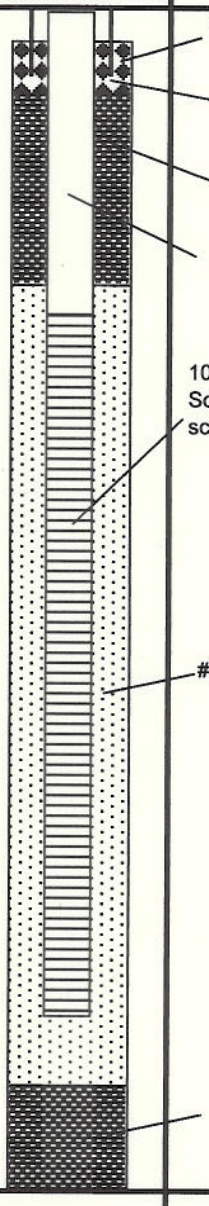
DATE: 7/9/04 ELEVATION: 99.72'

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near Center of horseshoe east of SBG-3.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1	4					1	0'-2': Black FILL, cinders, sand, dry, no	0.0		
			3			8		petroleum odor.			
				5							
2'					10						
	2	4					0.8	2'-4': Black FILL, cinders, sand, dry, no	0.0		
			5			13		petroleum odor.			
				8							
4'					5						
	3	4					0.5	4'-6': Black FILL, cinders, sand, dry,	0.0		
			2			7		Slight Petroleum Odor Present.			
				5							
6'					3						
	4	3					1.3	6'-8': Brown silty CLAY and gravel,	74		
			5			14		wet, Strong Petroleum Odor Present.			
				9							
8'					10						
	5	10					0.8	8'-10': Gray SILT, sand, and gravely till,	170		
			15			53		dry, Strong Petroleum Odor Present.			
				38							
10'					24						
	6	6					1.5	10'-12': Brown SAND, Strong Petroleum	101		
			8			17		Odor Present.			
				9							
12'					13						
	7	10					1	12'-14': Gray medium SAND, Strong	48		
			13			31		Petroleum Odor Present.			
				18							
14'					20						
	8	12					1.2	14'-16': Brown medium SAND, Strong	22		
			15			43		Petroleum Odor Present.			
				28							
16'					32						
	9	50/5					0.3	14'-16': Brown and gray SAND and till.	--		
								Auger Refusal at 16.3' BG.		**Well Set at 14' BG.**	
18'											



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BORE HOLE: SB-4/MW-4

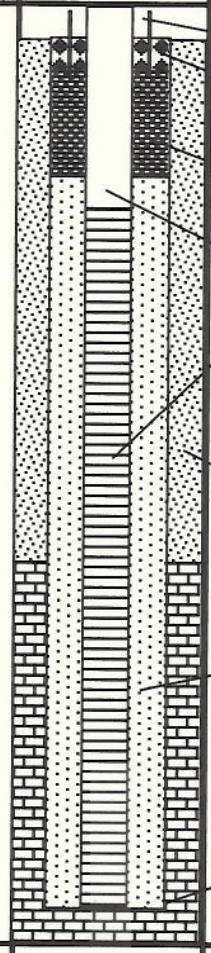
DATE: 7/8/04 ELEVATION: 98.35'

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Southeast of former tank pad, east of SBG-6.

	SN	0"/6"	6"/12"	12"/18"	18"/24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1	12					0.3	0'-2': FILL, gravel, sand, dry no	0		
			14			30		petroleum odor.			
				16							
2'					10						
	2	3					1.2	2'-4': Brown SILT and clay, damp	0.4		
			3			7		no petroleum odor.			
				4							
4'					6						
	3	6					0	4'-6': No recovery, no petroleum odor on	-		
			16			36		split spoon.			
				20							
6'					22						
	4	15					1	6'-8': Brown SILT, sand, gravel, unsorted	0		
			27			46		dense, no petroleum odor.			
				19				Auger refusal at 7.5' BG.			
8'	5				50/3		5	7.5'-13': Gray LIMESTONE	22.4		
								some fossils present, Strong Petroleum			
								Odor and sheen present.			
10'											
12'											
14'								**Bottom of Core at 13' BG.**		**Well Set at 12.5' BG.**	
16'											
18'											



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BORE HOLE: SB-5/MW-5

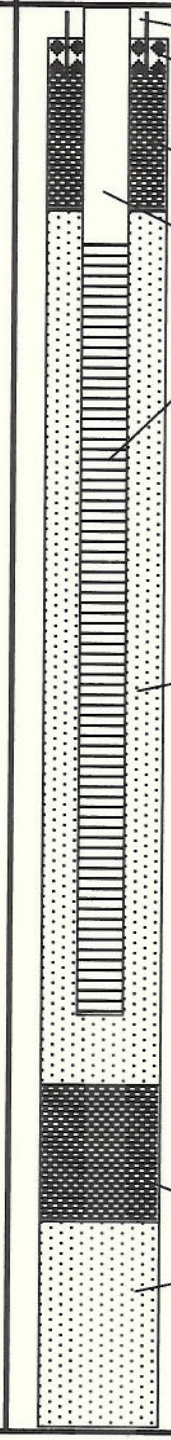
DATE: 7/9/04 ELEVATION: 100.36'

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Northwest of SBG-5 and west of concrete tank cradles.

	SN	0"/6"	6"/12"	12"/18"	18"/24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1	4					1	0'-2': Black FILL, cinders, sand, dry no	0		
			5			15		petroleum odor.			
				10							
2'					20						
	2	4					1	2'-4': Black FILL, cinders, sand, dry no	0		
			5			11		petroleum odor.			
				6							
4'					7						
	3	4					1.4	4'-6': Brown SILT, clay and gravel,	0		
			4			8		moist, no petroleum odor.			
				4							
6'					3						
	4	1					1.4	6'-8': Black to gray SILT and clay,	17		
			2			6		Strong Petroleum Odor Present.			
				4							
8'					7						
	5	6					1	8'-10': Brown CLAY and till, Slight	17		
			38			88		Petroleum Odor Present.			
				50/2							
10'					--						
	6	10					0.5	10'-12': Gray TILL, wet, Strong Petroleum	42		
			25			48		Odor Present. Sheen on outside of spoon.			
				23							
12'					28						
	7	12					0.5	12-14': Gray TILL, wet, Slight Petroleum	0.7		
			24			45		Odor Present.			
				21							
14'					15						
	8	12					1	14'-16': Brown SILT and very fine sand,	0		
			13			30		wet, no petroleum odor.			
				17							
16'					22						
	9	8					1.5	16'-18': Brown SILT and very fine sand,	0		
			7			16		wet, no petroleum odor.			
				9							
18'					15						
	10	2					1	18'-20': Brown SILT and very fine sand,	0		
			5			11		wet, no petroleum odor.			
				6							
					8						



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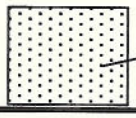
BORE HOLE: SB-5/MW-5

DATE: 7/9/04 ELEVATION: 100.36

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Northwest of SBG-5 and west of concrete tank cradles.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
20'											
	11	5					0.5	20'-21.5': Brown SILT and very fine sand, no petroleum odor.	0		#0 silica sand pack
			9			41					
				32							
22'								**Auger Refusal at 21.5' BG.**		**Well Set at 14' BG.**	
24'											
26'											
28'											
30'											
32'											
34'											
36'											
38'											

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BORE HOLE: GP-6

DATE: 7/1/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Northwest of roundhouse, west of addition.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'								concrete at grade			
	1						1.8	0'-4': FILL - sand, gravel, cinders no petroleum odor	0.0		
2'											No Well Set.
4'											
	2						2	4'-8': FILL as above, no petroleum odor. Fine SAND and silt, some gravel no petroleum odor.	0.0		
6'											
8'											
	3						2.2	8'-12': Light brown SAND and gravel to gray sand, wet no petroleum odor.	0.0		
10'											
12'											
	4						0	12'-12.5': No recovery			
								Refusal at 12.5' BG.			
14'											
16'											
18'											

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BORE HOLE: GP-7

DATE: 7/1/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Northeast of roundhouse across from intersection.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-1': TOPSOIL with roots, dry.			
								1'-2': Brown SAND and gravel, cinders			No
2'								fill material, no petroleum odor.			Well
								2'-3': FILL - brick fragments, cinders	0.0		Set.
								moist, no petroleum odor.			
4'											
	2						3.5	4'-4.5': FILL as above.			
								4.5'-8': Dark brown CLAY, wet	0.0		
								no petroleum odor.			
6'											
8'											
	3						1	8'-9': Dark brown CLAY and silt	0.0		
								wet, no petroleum odor.			
10'								**Refusal at 9' BG.**			
12'											
14'											
16'											
18'											

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BORE HOLE: SB-8

DATE: 7/7/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Inside roundhouse in east section.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
							-	0'-2': Concrete at grade, no split spoon samples.			
2'											No Well Set.
	1	5					0.5	2'-4': Tan silty SAND and gravel fill,	0.0		
			2			4		dry, no petroleum odor.			
				2							
4'					8						
	2	3					1.2	4'-6': Brown SILT and sand, damp	0.0		
			3			92		no petroleum odor.			
				4							
6'					20						
	3	3					0.8	6'-8': Brown silty SAND and gravel	0.0		
			42			50		no petroleum odor.			
				50/4							
8'					--						
	4	18					1	8'-10': Brown silty SAND, moist	19.7		
			50/5			50		Solvent Odor Present.			
10'											
	5	50/5					0.5	10'-10.8': Gray till, hard, moist, no odor.	0.0		
						50					
12'								**Auger Refusal at 10.8' BG.**			
14'											
16'											
18'											

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BORE HOLE: SB-9/MW-6

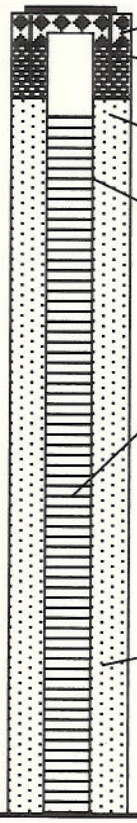
DATE: 7/12/04 ELEVATION: 96.78

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Inside roundhouse northwest of MW-2.

	SN	0"/6"	6"/12"	12"/18"	18"/24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
							--	0'-1': Not Sampled - concrete at grade			
	1	9					2.5	1'-3': Asphalt and concrete FILL, cinders	0.0		
2'			10			17		and sand, dry no petroleum odor.			
				7							
					14						
4'											
	2	7					1.2	4'-6': Black cindery FILL and brown	0.0		
			7			11		clay, dry, no petroleum odor.			
				4							
6'					4						
	3	6					1.4	6'-8: Brown CLAY and silt, wet,	21.0		
			2			4		Slight Petroleum Odor Present.			
				2							
8'					3						
	4	3					0.5	8'-10': Brown SAND and gravel, wet,	48.0		
			13			36		Strong Odor Present.			
				23							
10'					27						
	5	14					1	10'-12': Brown SAND and silt, Strong	22.0		
			21			71		Odor Present.			
				50/4							
12'								**Bottom of Boring at 11.5' BG.**		**Well Set at 11.5' BG.**	
14'											
16'											
18'											



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BORE HOLE: SB-10

DATE: 7/8/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Inside roundhouse in western section.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
							--	0'-2': NO SPLIT SPOON SAMPLING. Concrete at grade.	--		
2'											No Well Set.
	1	4					0.3	2'-4': FILL, cinders, sand, dry no petroleum odor.	1.5		
			3								
				50/2							
4'					--						
	2	4					0.5	4'-6': FILL, cinders, sand, wet from drilling fluid, no petroleum odor.	1.5		
			2			10					
				8							
6'					11						
	3	50/3					0	6'-6.5': No Recovery	--		
								Auger Refusal at 6.5' BG.			
8'											
10'											
12'											
14'											
16'											
18'											

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BORE HOLE: GP-11

DATE: 7/1/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Center of horseshoe, close to building.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-4': FILL - sand, gravel, cinders no petroleum odor	0.0		No Well Set.
2'											
4'											
	2						4	4'-8': Brown CLAY and sand, no petroleum odor.	0.0		
6'											
8'											
	3						2	8'-11': Gray SAND and gravel, till, no petroleum odor.	0.0		
10'											
12'								Refusal at 11' BG			
14'											
16'											
18'											

LOGGED BY: D. Mohler

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NATURE'S WAY
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(315) 635-9818

BORE HOLE: GP-12

DATE: 7/1/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Center of horseshoe.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-1': Topsoil and roots.			
								1'-4': FILL - sand, gravel, cinders	0.0		No Well Set.
2'								no petroleum odor.			
4'											
	2						2	4'-6': FILL - sand, gravel, cinders	0.0		
6'								no petroleum odor.			
								Refusal at 6' BG			
8'											
10'											
12'											
14'											
16'											
18'											

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PAGE: 1 of 1

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BORE HOLE: GP-13

DATE: 7/1/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near product lines leading from basement of brick building with boilers and loading docks.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						2	0'-4': FILL - sand, gravel, cinders no petroleum odor.	0.0		No Well Set.
2'											
4'											
	2						2	4'-8': Brown CLAY, wet, mottled Strong Petroleum Odor Present.	87.5		
6'											
8'											
	3						2	8'-12': Brown GRAVEL and sand wet, Strong Petroleum Odor Present.	2492		
10'											
12'											
								Bottom of Boring at 12' BG.			
14'											
16'											
18'											

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BORE HOLE: GP-14

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: In grass near southeast entrance of roundhouse.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						2	0'-4': FILL - sand, gravel, cinders and topsoil, Slight Petroleum Odor Present.	10		No Well Set.
2'											
4'											
	2						3	4'-7': Brown SILT and clay, moist, Slight Petroleum Odor Present.	12		
6'											
8'											
10'											
12'											
14'											
16'											

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PAGE: 1 of 1

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BORE HOLE: GP-15

DATE: 7/1/04

ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near northeast corner of building north ofSBG-6.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						2	0'-4': FILL - sand, gravel, cinders no petroleum odor.	0.0		No Well Set.
2'											
4'											
	2						2	4'-8': Gray SAND and silty clay, gravel, wet, Strong Petroleum Odor Present.	105		
6'											
8'											
	3						1	8'-9': Gray SAND and silty clay, wet, Strong Petroleum Odor Present.	245		
10'								Refusal at 9' BG.			
12'											
14'											
16'											

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PAGE: 1 of 1

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BORE HOLE: GP-16

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near product lines east of GP-17 and southeast of GP-15.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-2': FILL - sand, gravel, cinders and topsoil, no petroleum odor.	549		No Well Set.
2'								2'-4': Brown silty CLAY, Strong Diesel Fuel Odor Present. Free Product observed.			
4'	2						3	4'-8': Brown CLAY, silt and sand with some gravel, wet, Strong Diesel Fuel Odor Present.	348		
6'											
8'	3						0.5	8'-10': Brown CLAY, Free Product	--		
10'								Refusal at 8.5' BG.			
12'											
14'											
16'											

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BORE HOLE: GP-17

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: North of SBG-6 near product lines.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						0.5	0'-4': FILL - sand, gravel, cinders and topsoil, no petroleum odor.	0.0		No Well Set.
2'											
4'											
	2						3	4'-6': Brown medium SAND, wet, Strong Petroleum Odor Present.	97.1		
6'											
8'											
	3						0.5	8'-8.5': CLAY, fine sand, Slight Petr. Odor.	1.5		
10'								**Refusal at 8.5' BG.**			
12'											
14'											
16'											

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PAGE: 1 of 1

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BORE HOLE: GP-18

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Near product lines at loading dock east of GP-19.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-4': FILL - sand, gravel, cinders and topsoil, Slight Petroleum Odor Present.	24.6		No Well Set.
2'											
4'											
	2						4	4'-8': Dark brown to black CLAY and sand, wet, Strong Petroleum Odor Present.	349		
6'											
8'											
	3						1	8'-9': Dark brown SAND, wet, Petroleum Odor Present.	129		
10'								Refusal at 9' BG.			
12'											
14'											
16'											

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PAGE: 1 of 1

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BORE HOLE: GP-19

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Between tank cradles northeast of SBG-5.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-4': FILL - sand, gravel, cinders and topsoil, Slight Petroleum Odor Present.	30.4		
2'											No Well Set.
4'											
	2						2.5	4'-8': Brown black GRAVEL, silt, and clay wet, Strong Petroleum Odor Present.	102		
6'											
8'											
	3						2.5	8'-12': Brown GRAVEL and medium sand, wet, Slight Petroleum Odor Present.	4.5		
10'											
12'											
	4						3	12'-14.6': Brown medium to coarse SAND, Slight Petroleum Odor Present.	14.8		
14'											
16'								**Refusal at 14.6' BG.**			

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PAGE: 1 of 1

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BORE HOLE: GP-20

DATE: 7/2/04 ELEVATION: NA

PROJECT: Manchester/Lehigh Valley Roundhouse

PREPARED FOR: NYSDEC - Region 8, Avon, NY

BORING LOCATION: Southwest of concrete tank cradles and northwest of SBG-5.

	SN	0"/ 6"	6"/ 12"	12"/ 18"	18"/ 24"	N	REC (ft.)	DESCRIPTION/ CLASSIFICATION	PID (ppm)	WELL CONSTRUCTION	COMMENTS
0'											
	1						3	0'-4': FILL - sand, gravel, cinders and topsoil, Strong Petroleum Odor Present.	85.7		
2'											No Well Set.
4'											
	2						2.5	4'-8': Brown SAND and silty clay, gravel, wet, Strong Petroleum Odor Present.	140		
6'											
8'											
	3						3	8'-12': Brown SAND and silty clay, gravel, wet, Strong Petroleum Odor Present.	47		
10'											
12'											
	4						4	12'-16': Sample damaged during extraction, dense, hard till.	--		
14'											
16'											
								Bottom of Boring at 16' BG.			

LOGGED BY: D. Mohler

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REGION 8
DERMAL WASTE REMED
MAR 28 2006
RECEIVED

TRANSMITTAL

DATE: March 24, 2006

FIRM NYSDEC

6274 East Avon-Lima Road

Avon, New York 14414

ATTENTION: Greg MacLean

PROJECT REFERENCE: Merrick Circle

PROJECT NO: _____ **NUMBER OF COPIES:** 1

ENCLOSED HEREWITH:

( ) **REPORTS**	(x) **SUBSURFACE LOGS**	( ) **DRAWINGS**
( ) **BROCHURES**	( ) **SAMPLES**	( ) **OTHER**

DESCRIPTION:

Greg,

Enclosed are the boring logs for the Merrick Circle project. Let me know if you have any questions.

Greg

CC TO:

_____

_____

EMPIRE GEO-SERVICES, INC.
535 Summit Point Drive
Rochester, New York 14467
(585)359-2730
(585)359-9668 (fax)

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-21
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Asphalt and concrete (0.0-0.5')	
						0	Black fine to coarse SAND, with gravel and silt, wet (possibly from concrete coring), slight odor (0.5-1.9')	
4						0	Brown SILT, with sand, dry, slight odor (1.9-2.3')	
	2					0	Brown fine SAND, with silt, silt content decreases with depth, dry, slight odor (4.0-6.5')	
8								
	3					0	Brown SILT, dry, no odor (8.0-8.7')	
						0	Black/Brown fine to coarse SAND, dry, no odor (8.7-9.0')	
						0	Brown fine to coarse SAND, with gravel, dry, no odor (9.0-9.7')	
12						0	Brown SILT, little gravel, dry, no odor (9.7-11.0')	
							Refusal at 11.5' bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION: Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-22
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Asphalt and concrete (0.0-0.7')	
						0	Brown SANDY SILT, wet (possibly from concrete coring), no odor (0.7-1.2')	
4								
	2					0	Brown SILT, trace gravel, dry, no odor (4.0-7.0')	
						0	Brown fine SAND, moist to wet, no odor (7.0-7.5')	
8								
	3					0	Brown GRAVELLY SAND, sand is fine to coarse, no odor (8.0-9.0')	
						0	Brown fine SAND, moist-wet, no odor (9.0-10.0')	
						0	Brown SILT, dry, no odor (10.0-11.5')	
12								
							Refusal at 11.5 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-23
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Asphalt and concrete (0-0.7')	
						0	Black/Brown fine to coarse SAND, with gravel, wet (possibly from concrete coring), no odor (0.7-1.5')	
4						0	Brown fine SAND, dry, no odor (1.5-2.2')	
	2					0	Brown GRAVELLY fine to coarse SAND, wet, no odor (4.0-4.5')	
						0	Brown SILT, trace gravel, no odor (4.5-7.5')	
8								
	3					0	Brown SILTY fine SAND, moist, no odor (8.0-10.0')	
						0	Brown fine to medium SAND, moist, no odor (10.0-11.7')	
12								
							Refusal at 11.7 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-24
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Asphalt and concrete (0.0-0.7')	
						0	Brown fine to coarse SAND, with gravel, dry, no odor (0.7-2.0')	
4								
	2					0	Brown SILT, trace gravel, dry, no odor (4.0-8.0')	
8								
	3					0	Brown SILT, dry, no odor (8.0-8.4')	
						0	Brown fine SAND, with silt, wet, no odor (8.4-10.4')	
						0	Brown SILT, dry, no odor (104-11.0')	
12								
							Refusal at 11.8 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION: Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-25
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Asphalt and concrete (0.0-0.7')	
						0	Black/Brown fine to coarse SAND, with gravel, wet (possibly from concrete coring), no odor (0.7-1.0')	
4						0	Brown fine SAND, dry, no odor (1.0-2.2')	
	2					0	Brown fine to coarse SAND, with gravel, wet, no odor (4.0-5.0')	
						0	Brown SILT, dry, no odor (5.0-6.2')	
8								
	3						Brown SILT, trace gravel, dry, no odor (8.0-10.7')	
12								
							Refusal at 11.7 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-26
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1						Concrete, asphalt, additional concrete (0.0-1.1')	
						0	Brown fine to coarse SAND, with gravel, wet (possibly from concrete coring), no odor (1.1-2.2')	
4								
	2					0	Brown SILT, dry, no odor (4.0-7.0')	
						0	Brown SILTY fine SAND, dry, no odor (7.0-8.0')	
8								
	3					0	Brown SILT, trace gravel, dry, no odor (8.0-11.0')	
12								
							Refusal at 10.4 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-27
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1					0	Black SILT, with gravel and plant roots, dry, no odor (0.0-1.0')	
						0	Brown fine to coarse GRAVEL, with sand, brick fragments, and glass, dry, no odor (1.0-2.0')	
4								
	2					0	Brown fine to coarse GRAVEL, with brick fragments, dry, no odor (4.0-4.6')	
8								
	3					96	Brown fine SAND, wet with possible product, petroleum odor (8.0-9.4')	
						35	Brown SILT, trace gravel, dry, slight petroleum odor (9.4-10.4')	
12								
							Refusal at 11.9 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-28
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1					3	Black/Gray fine to coarse SAND, with gravel and cinders, dry, no odor (0.0-3.0')	
4								
	2					0	Black/Gray fine to coarse SAND, with gravel and cinders, dry, no odor (4.0-6.0')	
						0	Brown fine SAND, dry, no odor (6.0-6.5')	
8								
							Refusal at 7 feet bgs	
12								
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-28A
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1					0	Black/Gray fine to coarse SAND, with gravel and cinders, dry, no odor (0.0-1.8')	
4								
	2					0	Brown SILT, with fine sand, dry, no odor (4.0-5.0')	
						20	Brown fine SAND, with silt, moist to wet, petroleum odor (5.0-5.7')	
						10	Brown SILT, trace gravel, dry, petroleum odor (5.7-6.5')	
8								
	3					24	Brown CLAYEY fine SAND, black staining, moist, petroleum odor (8-9')	
						54	Brown CLAYEY GRAVEL, moist, petroleum odor (9.0-9.5')	
						110	Brown fine to coarse SAND, wet, petroleum odor (9.5-12.0')	
12								
	4						No recovery	
16								
							Refusal at 15.5 feet bgs	
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

DATE:
STARTED 11/29/05
FINISHED 11/29/05
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. GP-29
SURF. ELEV
G.W. DEPTH

PROJECT: NYSDEC Region 8 DER
SITE NO.: 835018

LOCATION: Former Lehigh Valley Roundhouse
Manchester, Ontario County, New York

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	18/24	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1					3	Black/Gray fine to coarse SAND, with gravel , dry, no odor (0.0-2.5')	
4								
	2					15	Black/Gray fine to coarse SAND, with gravel , dry, petroleum odor (4.0-5.5')	
						92	Brown SILT, dry, petroleum odor (5.5-6.5')	
8								
	3					30	Brown SILT, dry, petroleum odor (8.0-8.3')	
						133	Brown fine SAND, black staining, wet, petroleum odor (8.5-11.5')	
12								
							Refusal at 11.8 feet bgs	
16								
20								
24								
28								
32								
36								
40								

PID readings are in parts per million; bgs = below ground surface; NR indicates no recovery

N = NO. BLOWS TO DRIVE 2-INCH SPOON 12-INCHES WITH A 140 LB. PIN WT. FALLING 30-INCHES PER BLOW

CLASSIFIED BY: G. Young

DRILLER: Ken Fuller

METHOD OF INVESTIGATION Simko 2400 Direct Push

APPENDIX C

LABORATORY ANALYTICAL DATA SUMMARY SHEETS AND CASE NARRATIVES

Soil Samples D77601 - D77612
(GP-6, GP-7, and GP-11 through GP-20)

ANALYTICAL REPORT

Job#: A04-6283

STL Project#: NY1A8770.8
SDG#: 07101
Site Name: NYS DEC ASP Contract #C004154 - Region 8
Task: RH804

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Greg MacLean

STL Buffalo

Brian J. Fischer
Project Manager

07/30/2004

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4628301	D77601	07/01/2004	10:40	07/02/2004	15:30
A4628302	D77602	07/01/2004	11:40	07/02/2004	15:30
A4628303	D77603	07/01/2004	13:30	07/02/2004	15:30
A4628304	D77604	07/01/2004	15:40	07/02/2004	15:30
A4628305	D77605	07/01/2004	16:15	07/02/2004	15:30
A4628306	D77606	07/02/2004	07:50	07/02/2004	15:30
A4628307	D77607	07/02/2004	08:40	07/02/2004	15:30
A4628308	D77608	07/02/2004	09:20	07/02/2004	15:30
A4628309	D77609	07/02/2004	09:45	07/02/2004	15:30
A4628310	D77610	07/02/2004	10:15	07/02/2004	15:30
A4628310MS	D77610	07/02/2004	10:15	07/02/2004	15:30
A4628310SD	D77610	07/02/2004	10:15	07/02/2004	15:30
A4628311	D77611	07/02/2004	10:45	07/02/2004	15:30
A4628312	D77612	07/02/2004	11:15	07/02/2004	15:30

METHODS SUMMARY

Job#: A04-6283

STL Project#: NY1A8770.8
SDG#: 07101
Site Name: NYS DEC ASP Contract #C004154 - Region 8

PARAMETER	ANALYTICAL METHOD	
NYSDEC - SOIL-ASP00/8260 VOLATILES	ASP00	8260
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00	8270
NYSDEC - METHOD 8081 - PESTICIDES - S	ASP00	8081
NYSDEC - METHOD 8082 - PCBS- S	ASP00	8082
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S	ASP00	31013
Aluminum - Total	ASP00	6010
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	6010
Barium - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7471
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Cyanide - Total	ASP00	9012
Leachable pH	ASP00	9045

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-6283

STL Project#: NY1A8770.8
SDG#: 07101
Site Name: NYS DEC ASP Contract #C004154 - Region 8

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-6283
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All samples were prepared by Method 5035.

The analytes Acetone, Bromomethane, and Methylene Chloride were detected in the Method Blank A4B1254002 (VBLK78) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analytes Acetone and Methylene Chloride were detected in the Method Blank A4B1267202 (VBLK79) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Sample D77604 was analyzed using medium level techniques due to high concentrations of target analytes.

Sample D77610 was analyzed using medium level techniques due to high concentrations of non-target analytes.

GC/MS Semivolatile Data

All samples were inadvertantly spiked with twice the required internal standard amount. The calculations were adjusted for correctly reported values.

The incorrect surrogate and spiking solutions were added to all samples. Therefore twice the concentration of surrogate and spike was added and the two CLP advisory surrogates 2-Chlorophenol-d4 and 1,2-Dichlorobemzene-d4 were missing.

The spike recovery for 2,4-Dinitrotoluene was above the method defined quality control limit in the Matrix Spike Blank A4B1256501 and the Matrix Spike Blank duplicate A4B1256503. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed.

GC Extractable Data

For method 8081, the extracts for samples D77610, D77610 Matrix Spike, and D77610 Matrix Spike Duplicate required treatment with Copper prior to analysis due to the presence of elemental Sulfur.

For method 8081, the recovery of surrogate Tetrachloro-m-xylene in samples D77610, D77610 Matrix Spike, and D77610 Matrix Spike Duplicate is outside of established quality control limits due to the sample matrix and extract dilution. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

For method 8081, the recoveries of Aldrin and 4,4'-DDT in samples D77610 Matrix Spike and D77610 Matrix Spike Duplicate exceed quality control limits. The associated Matrix Spike Blank recoveries are compliant with quality control criteria.

For method 8082, the response of the instrument is decreased due to the heavy matrix effects from the field samples, resulting in slightly greater than 15% difference (15.9%) for the continuing calibration verification for Aroclor 1248 analyzed after these sample extracts. Percent difference values for the surrogates were also outside of the quality control criteria. Subsequent continuing calibration verifications demonstrated compliance with routine quality control criteria, verifying the temporary nature of this effect. The sample is non-detect for all target Aroclors and all surrogate and spike values are within laboratory quality control limits, no action necessary.

For method 310-13 Petroleum Products, several of the field samples are reported as ND (Non-Detect) for 6 common products. Samples D77607 and D77612 however, show an unknown hydrocarbon pattern present in the routinely reported scan range.

For method 310-13 Petroleum Products, the spikes are diluted out of the extracts for the Matrix Spike and Matrix Spike Duplicate of sample D77610.

Metals Data

The recovery of sample D77610 Matrix Spike exhibited results above the quality control limits for Copper and Mercury and below quality control limits for Antimony. The recovery of sample D77610 Matrix Spike Duplicate exhibited results above quality control limits for Arsenic, Copper and Mercury. However the LCS is acceptable.

The recovery of sample S77610 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Lead. The sample result is more than four times greater than the spike added. The LFB is acceptable.

The recovery of sample D77610 Post Spike exhibited results below the quality control limits for Iron. However, the LCS was acceptable.

The RPD of sample D77610 and the Matrix Duplicate exceeded quality control limits for Aluminum, Calcium, Copper, and Manganese. However, the LCS was acceptable.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

7-30-04
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D77604	A4628304	31013	10.00	008
D77604	A4628304	8260	10.00	008
D77604 DL	A4628304DL	8270	10.00	008
D77605 DL	A4628305DL	8270	5.00	008
D77606	A4628306	31013	10.00	008
D77607	A4628307	31013	10.00	004
D77607	A4628307	8270	5.00	008
D77608	A4628308	31013	10.00	008
D77608 DL	A4628308DL	8270	20.00	008
D77610	A4628310	31013	20.00	008
D77610	A4628310	8081	4.00	002
D77610	A4628310MS	31013	20.00	008
D77610	A4628310MS	8081	4.00	002
D77610	A4628310SD	31013	20.00	008
D77610	A4628310SD	8081	4.00	002

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-6283**	**SDG/Case**		**07101**
File ID	**Z61633**	**Lab ID**		**A4628304DL**
Date	**7/15/2004**	**Client ID**		**D77604 DL**
Initial weight (g)	30.9500		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	94.99
Dilution Factor	10.00		GPC	N

1000
1
0.9499

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
11.43	2,6-Dimethyl Undecane	17301-23-4	25.99	4420
12.28	Type 2		30.43	5175
13.72	Type 2		31.66	5384
17.12	,6,10,14-Tetramethyl Pentadecan	1921-70-6	99.02	16840
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283		SDG/Case	07101
File ID	Z61618		Lab ID	A4628305
Date	7/13/2004		Client ID	D77605
Initial weight (g)	30.0800		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	89.04
Dilution Factor	1.00		GPC	N

1000
1
0.8904

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
8.62	4-Methyl Decane	2847-72-5	49.53	925
9.33	2-Methyl Decane	6975-98-0	33.88	632
11.7	2,6-Dimethyl Undecane	17301-23-4	36.27	677
15.07	Type 1		47.93	895
17.33	,6,10,14-Tetramethyl Pentadecan	1921-70-6	61.56	1149
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283		SDG/Case	07101
File ID	Z61618		Lab ID	A4628305DL
Date	7/13/2004		Client ID	D77605DL
Initial weight (g)	30.0800		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	89.04
Dilution Factor	5.00		GPC	N

1000
1
0.8904

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
11.43	2,6-Dimethyl Undecane	17301-23-4	23.43	2187
13.72	Type 2		25.31	2362
17.12	?,6,10,14-Tetramethyl Pentadecan	1921-70-6	90.78	8474
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283		SDG/Case	07101
File ID	Z61619		Lab ID	A4628306
Date	7/13/2004		Client ID	D77606
Initial weight (g)	30.0900		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	73.99
Dilution Factor	1.00		GPC	N

1000
1
0.7399

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
8.63	4-Methyl Decane	2847-72-5	36.78	826
12.58	Type 2		66.64	1497
14.02	Type 2		64.51	1449
15.15	Type 2		243	5457
16.93	Type 2		62.83	1411
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-6283**		**SDG/Case**	**07101**
File ID	**Z61620**		**Lab ID**	**A4628307**
Date	**7/13/2004**		**Client ID**	**D77607**
Initial weight (g)	30.6000		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	86.23
Dilution Factor	5.00		GPC	N

1000
1
0.8623

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
17.32	Type 2		27.76	2630
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283	SDG/Case	07101
File ID	Z61621	Lab ID	A4628308
Date	7/13/2004	Client ID	D77608
Initial weight (g)	30.4700	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	77.22
Dilution Factor	1.00	GPC	N

1000
1
0.7722

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
7.02	3-Methyl Nonane	511-04-6	13.8	293
8.63	4-Methyl Decane	2847-72-5	59.03	1254
10.38	Type 2		14.73	313
11.73	2,6-Dimethyl Undecane	17301-23-4	30.48	648
16.92	Type 2		17.94	381
17.38	Type 2		58.46	1242
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283	SDG/Case	07101
File ID	A61635	Lab ID	A4628308DL
Date	7/15/2004	Client ID	D77608 DL
Initial weight (g)	30.4700	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	77.22
Dilution Factor	20.00	GPC	N

1000
1
0.7722

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
8.37	Type 2		9.22	3919
11.43	Type 2		16.74	7115
12.92	Type 2		9.83	4178
13.7	Type 2		10.74	4565
17.12	?,6,10,14-Tetramethyl Pentadecan	1921-70-6	44.98	19117
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A04-6283	SDG/Case	07101
File ID	Z61622	Lab ID	A4628309
Date	7/13/2004	Client ID	D77609
Initial weight (g)	30.0000	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	83.21
Dilution Factor	1.00	GPC	N

1000
1
0.8321

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
11.68	Type 2		17.61	353
12.53	7-Methyl Tridecane	26730-14-3	39.95	800
15.05	Type 1		49.2	985
17.32	Type 2		84.26	1688
18.58	Type 1		9.75	195
				0
				0
				0

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
D77601	A4628301	ASP00	ASP00	-	ASP00	-	-	ASP00
D77602	A4628302	ASP00	ASP00	-	ASP00	-	-	ASP00
D77603	A4628303	ASP00	ASP00	-	ASP00	-	-	ASP00
D77604	A4628304	ASP00	ASP00	-	ASP00	-	-	ASP00
D77605	A4628305	ASP00	ASP00	-	ASP00	-	-	ASP00
D77606	A4628306	ASP00	ASP00	-	ASP00	-	-	ASP00
D77607	A4628307	ASP00	ASP00	-	ASP00	-	-	ASP00
D77608	A4628308	ASP00	ASP00	-	ASP00	-	-	ASP00
D77609	A4628309	ASP00	ASP00	-	ASP00	-	-	ASP00
D77610	A4628310	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77611	A4628311	ASP00	ASP00	-	ASP00	-	-	ASP00
D77612	A4628312	ASP00	ASP00	-	ASP00	-	-	ASP00

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	SOIL	07/01/2004	07/02/2004	-	07/07/2004
D77602	SOIL	07/01/2004	07/02/2004	-	07/07/2004
D77603	SOIL	07/01/2004	07/02/2004	-	07/07/2004
D77604	SOIL	07/01/2004	07/02/2004	-	07/09/2004
D77605	SOIL	07/01/2004	07/02/2004	-	07/09/2004
D77606	SOIL	07/02/2004	07/02/2004	-	07/09/2004
D77607	SOIL	07/02/2004	07/02/2004	-	07/08/2004
D77608	SOIL	07/02/2004	07/02/2004	-	07/09/2004
D77609	SOIL	07/02/2004	07/02/2004	-	07/09/2004
D77610	SOIL	07/02/2004	07/02/2004	-	07/09/2004
D77611	SOIL	07/02/2004	07/02/2004	-	07/08/2004
D77612	SOIL	07/02/2004	07/02/2004	-	07/08/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	SOIL	07/01/2004	07/02/2004	07/09/2004	07/13/2004
D77602	SOIL	07/01/2004	07/02/2004	07/09/2004	07/13/2004
D77603	SOIL	07/01/2004	07/02/2004	07/09/2004	07/13/2004
D77604	SOIL	07/01/2004	07/02/2004	07/09/2004	07/13/2004
D77605	SOIL	07/01/2004	07/02/2004	07/09/2004	07/13/2004
D77606	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004
D77607	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004
D77608	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004
D77609	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004
D77610	SOIL	07/02/2004	07/02/2004	07/9/2004	7/13/2004
D77611	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004
D77612	SOIL	07/02/2004	07/02/2004	07/09/2004	07/13/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	SOIL	07/01/2004	07/02/2004	07/6/2004	07/07/2004
D77602	SOIL	07/01/2004	07/02/2004	07/06/2004	07/07/2004
D77603	SOIL	07/01/2004	07/02/2004	07/06/2004	07/07/2004
D77604	SOIL	07/01/2004	07/02/2004	07/06/2004	07/008/2004
D77605	SOIL	07/01/2004	07/02/2004	07/06/2004	07/07/2004
D77606	SOIL	07/02/2004	07/02/2004	07/06/2004	07/08/2004
D77607	SOIL	07/02/2004	07/02/2004	07/06/2004	07/08/2004
D77608	SOIL	07/02/2004	07/02/2004	07/06/2004	07/08/2004
D77609	SOIL	07/02/2004	07/02/2004	07/06/2004	07/07/2004
D77610	SOIL	07/02/2004	07/02/2004	07/06/2004	07/08/2004
D77611	SOIL	07/02/2004	07/02/2004	07/06/2004	07/07/2004
D77612	SOIL	07/02/2004	07/02/2004	07/06/2004	07/07/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
D77610	SOIL	T TALME	07/02/2004	07/07/2004	07/07/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
D77601	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77602	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77603	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77604	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77605	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77606	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77607	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77608	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77609	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77610	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77611	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77612	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
D77601	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77602	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77603	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77604	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77605	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77606	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77607	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77608	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77609	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77610	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77611	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77612	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F7320.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 12.9 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	2	BJ
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene chloride	12	B
67-64-1	Acetone	2	BJ
75-15-0	Carbon disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
108-88-3	Toluene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene, Total	11	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	11	U
156-59-2	cis-1,2-Dichloroethene	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.: D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F7320.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 12.9 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	11	U
75-71-8	Dichlorodifluoromethane	1	J
75-69-4	Trichlorofluoromethane	11	U
79-20-9	Methyl Acetate	11	U
1634-04-4	Methyl tert-butyl ether	11	U
110-82-7	Cyclohexane	11	U
108-87-2	Methylcyclohexane	11	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	11	U
98-82-8	Isopropylbenzene	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F7320.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 12.9 Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	3.18	11	BJN
2.	UNSATURATED HYDROCARBON	9.66	8	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 4.09 (g/mL) G Lab File ID: F7321.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 16.9 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	2	BJ
75-01-4	Vinyl chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene chloride	18	B
67-64-1	Acetone	3	BJ
75-15-0	Carbon disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
108-88-3	Toluene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene, Total	15	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	15	U
156-59-2	cis-1,2-Dichloroethene	15	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 4.09 (g/mL) G Lab File ID: F7321.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 16.9 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	15	U
75-71-8	Dichlorodifluoromethane	15	U
75-69-4	Trichlorofluoromethane	15	U
79-20-9	Methyl Acetate	15	U
1634-04-4	Methyl tert-butyl ether	15	U
110-82-7	Cyclohexane	15	U
108-87-2	Methylcyclohexane	15	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	15	U
98-82-8	Isopropylbenzene	15	U
541-73-1	1,3-Dichlorobenzene	15	U
106-46-7	1,4-Dichlorobenzene	15	U
95-50-1	1,2-Dichlorobenzene	15	U
96-12-8	1,2-Dibromo-3-chloropropane	15	U
120-82-1	1,2,4-Trichlorobenzene	15	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 4.09 (g/mL) G Lab File ID: F7321.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 16.9 Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	3.18	17	BJN
2.	UNSATURATED HYDROCARBON	9.66	15	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.: D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 6.28 (g/mL) G Lab File ID: F7322.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 9.8 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	U
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	10	B
67-64-1	Acetone	2	BJ
75-15-0	Carbon disulfide	9	U
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone	9	U
591-78-6	2-Hexanone	9	U
127-18-4	Tetrachloroethene	9	U
108-88-3	Toluene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
100-42-5	Styrene	9	U
1330-20-7	Xylene, Total	9	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 6.28 (g/mL) G Lab File ID: F7322.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 9.8 Heated Purge: Y Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	9	U
75-71-8	Dichlorodifluoromethane	9	U
75-69-4	Trichlorofluoromethane	9	U
79-20-9	Methyl Acetate	9	U
1634-04-4	Methyl tert-butyl ether	9	U
110-82-7	Cyclohexane	9	U
108-87-2	Methylcyclohexane	9	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	9	U
98-82-8	Isopropylbenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 6.28 (g/mL) G Lab File ID: F7322.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 9.8 Date Analyzed: 07/07/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 75-45-6	CHLORODIFLUOROMETHANE	1.44	16	JN
2. 78-78-4	2-METHYLBUTANE	2.01	16	JN
3. 109-66-0	PENTANE	2.19	10	JN
4. 110-54-3	HEXANE	3.18	11	BJN
5.	UNSATURATED HYDROCARBON	9.66	6	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 5.07 (g/mL) G Lab File ID: Q8343.RR

Level: (low/med) MED Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 5.0 Heated Purge: N Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10000	U
74-83-9	Bromomethane	10000	U
75-01-4	Vinyl chloride	10000	U
75-00-3	Chloroethane	10000	U
75-09-2	Methylene chloride	10000	U
67-64-1	Acetone	10000	U
75-15-0	Carbon disulfide	10000	U
75-35-4	1,1-Dichloroethene	10000	U
75-34-3	1,1-Dichloroethane	10000	U
67-66-3	Chloroform	10000	U
107-06-2	1,2-Dichloroethane	10000	U
78-93-3	2-Butanone	10000	U
71-55-6	1,1,1-Trichloroethane	10000	U
56-23-5	Carbon tetrachloride	10000	U
75-27-4	Bromodichloromethane	10000	U
78-87-5	1,2-Dichloropropane	10000	U
10061-01-5	cis-1,3-Dichloropropene	10000	U
79-01-6	Trichloroethene	10000	U
124-48-1	Dibromochloromethane	10000	U
79-00-5	1,1,2-Trichloroethane	10000	U
71-43-2	Benzene	10000	U
10061-02-6	trans-1,3-Dichloropropene	10000	U
75-25-2	Bromoform	10000	U
108-10-1	4-Methyl-2-pentanone	10000	U
591-78-6	2-Hexanone	10000	U
127-18-4	Tetrachloroethene	10000	U
108-88-3	Toluene	10000	U
79-34-5	1,1,2,2-Tetrachloroethane	10000	U
108-90-7	Chlorobenzene	10000	U
100-41-4	Ethylbenzene	44000	
100-42-5	Styrene	10000	U
1330-20-7	Xylene, Total	68000	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10000	U
156-59-2	cis-1,2-Dichloroethene	10000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 5.07 (g/mL) G Lab File ID: Q8343.RR

Level: (low/med) MED Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 5.0 Heated Purge: N Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	10000	U
75-71-8	Dichlorodifluoromethane	10000	U
75-69-4	Trichlorofluoromethane	10000	U
79-20-9	Methyl Acetate	10000	U
1634-04-4	Methyl tert-butyl ether	10000	U
110-82-7	Cyclohexane	10000	U
108-87-2	Methylcyclohexane	2400	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10000	U
98-82-8	Isopropylbenzene	5000	J
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
96-12-8	1,2-Dibromo-3-chloropropane	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 5.07 (g/mL) G Lab File ID: Q8343.RR

Level: (low/med) MED Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 5.0 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	78-78-4	2-METHYLBUTANE	5.35	240000	JN
2.	109-66-0	PENTANE	5.72	100000	JN
3.	107-83-5	2-METHYLPENTANE	6.94	240000	JN
4.	96-14-0	3-METHYLPENTANE	7.25	130000	JN
5.	110-54-3	HEXANE	7.56	110000	JN
6.	96-37-7	METHYL CYCLOPENTANE	8.37	110000	JN
7.	591-76-4	2-METHYLHEXANE	9.02	110000	JN
8.	589-34-4	3-METHYLHEXANE	9.25	130000	JN
9.		DIMETHYLNAPHTHALENE ISOMER	14.97	160000	J
10.		TRIMETHYLBENZENE ISOMER	16.61	160000	J

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Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 6.66 (g/mL) G Lab File ID: F7343.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 11.0 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	8	U
74-83-9	Bromomethane	8	U
75-01-4	Vinyl chloride	8	U
75-00-3	Chloroethane	8	U
75-09-2	Methylene chloride	10	B
67-64-1	Acetone	3	BJ
75-15-0	Carbon disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	8	U
591-78-6	2-Hexanone	8	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	3	J
100-42-5	Styrene	8	U
1330-20-7	Xylene, Total	13	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U

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ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 6.66 (g/mL) G Lab File ID: F7343.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 11.0 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	8	U
75-71-8	Dichlorodifluoromethane	2	J
75-69-4	Trichlorofluoromethane	8	U
79-20-9	Methyl Acetate	8	U
1634-04-4	Methyl tert-butyl ether	8	U
110-82-7	Cyclohexane	1	J
108-87-2	Methylcyclohexane	4	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	8	U
98-82-8	Isopropylbenzene	3	J
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 6.66 (g/mL) G Lab File ID: F7343.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: not dec. 11.0 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.38	150	J
2.	TRIMETHYLBENZENE ISOMER	9.81	64	J
3.	ALKYLBENZENE DERIVATIVE	10.43	53	J
4.	TETRAMETHYLBENZENE ISOMER	10.83	49	J
5.	UNKNOWN	11.18	110	J
6.	UNKNOWN	11.57	50	J
7.	UNKNOWN	11.99	54	J
8.	UNKNOWN	12.13	84	J
9.	METHYLNAPHTHALENE ISOMER	12.61	290	J
10.	METHYLNAPHTHALENE ISOMER	12.78	170	J

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ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 2.30 (g/mL) G Lab File ID: F7342.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 26.0 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	29	U
74-83-9	Bromomethane	29	U
75-01-4	Vinyl chloride	29	U
75-00-3	Chloroethane	29	U
75-09-2	Methylene chloride	17	BJ
67-64-1	Acetone	17	BJ
75-15-0	Carbon disulfide	29	U
75-35-4	1,1-Dichloroethene	29	U
75-34-3	1,1-Dichloroethane	29	U
67-66-3	Chloroform	29	U
107-06-2	1,2-Dichloroethane	29	U
78-93-3	2-Butanone	29	U
71-55-6	1,1,1-Trichloroethane	29	U
56-23-5	Carbon tetrachloride	29	U
75-27-4	Bromodichloromethane	29	U
78-87-5	1,2-Dichloropropane	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
79-01-6	Trichloroethene	29	U
124-48-1	Dibromochloromethane	29	U
79-00-5	1,1,2-Trichloroethane	29	U
71-43-2	Benzene	29	U
10061-02-6	trans-1,3-Dichloropropene	29	U
75-25-2	Bromoform	29	U
108-10-1	4-Methyl-2-pentanone	29	U
591-78-6	2-Hexanone	29	U
127-18-4	Tetrachloroethene	29	U
108-88-3	Toluene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
108-90-7	Chlorobenzene	29	U
100-41-4	Ethylbenzene	29	U
100-42-5	Styrene	29	U
1330-20-7	Xylene, Total	29	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U

NYS DEC
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Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 2.30 (g/mL) G Lab File ID: F7342.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 26.0 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	29	U
75-71-8	Dichlorodifluoromethane	4	J
75-69-4	Trichlorofluoromethane	29	U
79-20-9	Methyl Acetate	29	U
1634-04-4	Methyl tert-butyl ether	29	U
110-82-7	Cyclohexane	29	U
108-87-2	Methylcyclohexane	29	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	29	U
98-82-8	Isopropylbenzene	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 2.30 (g/mL) G Lab File ID: F7342.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 26.0 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	8.70	2000	J
2.	SATURATED HYDROCARBON	9.31	1900	J
3.	UNKNOWN	10.10	2200	J
4.	UNKNOWN	10.38	2800	J
5.	UNKNOWN	10.51	1600	J
6.	UNKNOWN	10.68	2200	J
7.	ALKYLBENZENE DERIVATIVE	10.79	2900	J
8.	UNKNOWN	10.87	2200	J
9.	UNKNOWN	11.20	1900	J
10.	UNKNOWN	11.74	2300	J

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ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 3.38 (g/mL) G Lab File ID: F7339.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 13.8 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	17	U
74-83-9	Bromomethane	17	U
75-01-4	Vinyl chloride	17	U
75-00-3	Chloroethane	17	U
75-09-2	Methylene chloride	18	B
67-64-1	Acetone	5	BJ
75-15-0	Carbon disulfide	17	U
75-35-4	1,1-Dichloroethene	17	U
75-34-3	1,1-Dichloroethane	17	U
67-66-3	Chloroform	17	U
107-06-2	1,2-Dichloroethane	17	U
78-93-3	2-Butanone	17	U
71-55-6	1,1,1-Trichloroethane	17	U
56-23-5	Carbon tetrachloride	17	U
75-27-4	Bromodichloromethane	17	U
78-87-5	1,2-Dichloropropane	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
79-01-6	Trichloroethene	17	U
124-48-1	Dibromochloromethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
71-43-2	Benzene	17	U
10061-02-6	trans-1,3-Dichloropropene	17	U
75-25-2	Bromoform	17	U
108-10-1	4-Methyl-2-pentanone	17	U
591-78-6	2-Hexanone	17	U
127-18-4	Tetrachloroethene	17	U
108-88-3	Toluene	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
108-90-7	Chlorobenzene	17	U
100-41-4	Ethylbenzene	17	U
100-42-5	Styrene	17	U
1330-20-7	Xylene, Total	17	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	17	U
156-59-2	cis-1,2-Dichloroethene	17	U

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Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 3.38 (g/mL) G Lab File ID: F7339.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 13.8 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	17	U
75-71-8	Dichlorodifluoromethane	5	J
75-69-4	Trichlorofluoromethane	17	U
79-20-9	Methyl Acetate	17	U
1634-04-4	Methyl tert-butyl ether	17	U
110-82-7	Cyclohexane	17	U
108-87-2	Methylcyclohexane	17	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	17	U
98-82-8	Isopropylbenzene	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
95-50-1	1,2-Dichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-chloropropane	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 3.38 (g/mL) G Lab File ID: F7339.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 13.8 Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.77	53	J
2.	UNKNOWN	11.32	66	J
3.	UNKNOWN	11.61	180	J
4.	UNKNOWN	11.71	140	J
5.	UNKNOWN	11.82	130	J
6.	UNKNOWN	11.90	150	J
7.	UNKNOWN	11.98	110	J
8.	UNKNOWN	12.04	110	J
9.	UNKNOWN	12.29	150	J
10.	UNKNOWN	12.34	160	J

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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 5.50 (g/mL) G Lab File ID: F7340.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 22.8 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	8	BJ
67-64-1	Acetone	14	B
75-15-0	Carbon disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	8	J
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
108-88-3	Toluene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene, Total	12	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U

NYS DEC
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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 5.50 (g/mL) G Lab File ID: F7340.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 22.8 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-69-4	Trichlorofluoromethane	12	U
79-20-9	Methyl Acetate	12	U
1634-04-4	Methyl tert-butyl ether	12	U
110-82-7	Cyclohexane	12	U
108-87-2	Methylcyclohexane	12	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	12	U
98-82-8	Isopropylbenzene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 5.50 (g/mL) G Lab File ID: F7340.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 22.8 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	6.82	590	J
2.		UNKNOWN	8.23	740	J
3.		UNKNOWN	8.70	850	J
4.		UNKNOWN	10.10	720	J
5.		UNKNOWN	10.38	600	J
6.		UNKNOWN	10.86	540	J
7.		UNKNOWN	11.19	480	J
8.		UNKNOWN	11.32	460	J
9.		UNKNOWN HYDROCARBON	11.73	540	J
10.		UNKNOWN	11.82	560	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 4.20 (g/mL) G Lab File ID: F7341.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 16.8 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene chloride	16	B
67-64-1	Acetone	6	BJ
75-15-0	Carbon disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
108-88-3	Toluene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene, Total	14	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	14	U
156-59-2	cis-1,2-Dichloroethene	14	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 4.20 (g/mL) G Lab File ID: F7341.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 16.8 Heated Purge: Y Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	14	U
75-71-8	Dichlorodifluoromethane	14	U
75-69-4	Trichlorofluoromethane	14	U
79-20-9	Methyl Acetate	14	U
1634-04-4	Methyl tert-butyl ether	14	U
110-82-7	Cyclohexane	14	U
108-87-2	Methylcyclohexane	2	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	14	U
98-82-8	Isopropylbenzene	4	J
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
95-50-1	1,2-Dichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-chloropropane	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 4.20 (g/mL) G Lab File ID: F7341.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 16.8 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.74	360	J
2.	UNKNOWN	11.18	440	J
3.	UNKNOWN HYDROCARBON	11.27	480	J
4.	UNKNOWN	11.32	420	J
5.	UNKNOWN	11.62	460	J
6.	UNKNOWN HYDROCARBON	11.74	1100	J
7.	UNKNOWN	11.84	440	J
8.	UNKNOWN	11.99	490	J
9.	UNKNOWN	12.13	450	J
10.	UNKNOWN HYDROCARBON	12.53	300	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 1.37 (g/mL) G Lab File ID: Q8340.RR

Level: (low/med) MED Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 15.4 Heated Purge: N Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	4300	U
74-83-9	Bromomethane	4300	U
75-01-4	Vinyl chloride	4300	U
75-00-3	Chloroethane	4300	U
75-09-2	Methylene chloride	4300	U
67-64-1	Acetone	4300	U
75-15-0	Carbon disulfide	4300	U
75-35-4	1,1-Dichloroethene	4300	U
75-34-3	1,1-Dichloroethane	4300	U
67-66-3	Chloroform	4300	U
107-06-2	1,2-Dichloroethane	4300	U
78-93-3	2-Butanone	4300	U
71-55-6	1,1,1-Trichloroethane	4300	U
56-23-5	Carbon tetrachloride	4300	U
75-27-4	Bromodichloromethane	4300	U
78-87-5	1,2-Dichloropropane	4300	U
10061-01-5	cis-1,3-Dichloropropene	4300	U
79-01-6	Trichloroethene	4300	U
124-48-1	Dibromochloromethane	4300	U
79-00-5	1,1,2-Trichloroethane	4300	U
71-43-2	Benzene	4300	U
10061-02-6	trans-1,3-Dichloropropene	4300	U
75-25-2	Bromoform	4300	U
108-10-1	4-Methyl-2-pentanone	4300	U
591-78-6	2-Hexanone	4300	U
127-18-4	Tetrachloroethene	4300	U
108-88-3	Toluene	4300	U
79-34-5	1,1,2,2-Tetrachloroethane	4300	U
108-90-7	Chlorobenzene	4300	U
100-41-4	Ethylbenzene	1200	J
100-42-5	Styrene	4300	U
1330-20-7	Xylene, Total	4300	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	4300	U
156-59-2	cis-1,2-Dichloroethene	4300	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 1.37 (g/mL) G Lab File ID: Q8340.RR

Level: (low/med) MED Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 15.4 Heated Purge: N Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	4300	U
75-71-8	Dichlorodifluoromethane	4300	U
75-69-4	Trichlorofluoromethane	4300	U
79-20-9	Methyl Acetate	4300	U
1634-04-4	Methyl tert-butyl ether	4300	U
110-82-7	Cyclohexane	4300	U
108-87-2	Methylcyclohexane	2100	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	4300	U
98-82-8	Isopropylbenzene	4300	U
541-73-1	1,3-Dichlorobenzene	4300	U
106-46-7	1,4-Dichlorobenzene	4300	U
95-50-1	1,2-Dichlorobenzene	4300	U
96-12-8	1,2-Dibromo-3-chloropropane	4300	U
120-82-1	1,2,4-Trichlorobenzene	4300	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 1.37 (g/mL) G Lab File ID: Q8340.RR

Level: (low/med) MED Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 15.4 Date Analyzed: 07/09/2004

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	16.95	30000	J
2.	ALKYLBENZENE DERIVATIVE	18.21	42000	J
3.	UNKNOWN	18.72	46000	J
4.	UNKNOWN	19.57	81000	J
5.	UNKNOWN	20.28	32000	J
6.	UNSATURATED HYDROCARBON	20.39	30000	J
7.	SATURATED HYDROCARBON	20.49	56000	J
8.	UNKNOWN	21.30	33000	J
9.	UNKNOWN HYDROCARBON	22.24	34000	J
10.	METHYLNAPHTHALENE ISOMER	23.02	49000	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 6.14 (g/mL) G Lab File ID: F7338.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 11.2 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	U
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	10	B
67-64-1	Acetone	3	BJ
75-15-0	Carbon disulfide	9	U
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone	9	U
591-78-6	2-Hexanone	9	U
127-18-4	Tetrachloroethene	9	U
108-88-3	Toluene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
100-42-5	Styrene	9	U
1330-20-7	Xylene, Total	9	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.: D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 6.14 (g/mL) G Lab File ID: F7338.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 11.2 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	9	U
75-71-8	Dichlorodifluoromethane	3	J
75-69-4	Trichlorofluoromethane	9	U
79-20-9	Methyl Acetate	9	U
1634-04-4	Methyl tert-butyl ether	9	U
110-82-7	Cyclohexane	9	U
108-87-2	Methylcyclohexane	9	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	9	U
98-82-8	Isopropylbenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 6.14 (g/mL) G Lab File ID: F7338.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 11.2 Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	3.18	11	BJN
2.	UNSATURATED HYDROCARBON	9.66	6	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 2.24 (g/mL) G Lab File ID: F7333.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 25.0 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl chloride	30	U
75-00-3	Chloroethane	30	U
75-09-2	Methylene chloride	19	BJ
67-64-1	Acetone	8	BJ
75-15-0	Carbon disulfide	30	U
75-35-4	1,1-Dichloroethene	30	U
75-34-3	1,1-Dichloroethane	30	U
67-66-3	Chloroform	30	U
107-06-2	1,2-Dichloroethane	30	U
78-93-3	2-Butanone	30	U
71-55-6	1,1,1-Trichloroethane	30	U
56-23-5	Carbon tetrachloride	30	U
75-27-4	Bromodichloromethane	30	U
78-87-5	1,2-Dichloropropane	30	U
10061-01-5	cis-1,3-Dichloropropene	30	U
79-01-6	Trichloroethene	30	U
124-48-1	Dibromochloromethane	30	U
79-00-5	1,1,2-Trichloroethane	30	U
71-43-2	Benzene	30	U
10061-02-6	trans-1,3-Dichloropropene	30	U
75-25-2	Bromoform	30	U
108-10-1	4-Methyl-2-pentanone	30	U
591-78-6	2-Hexanone	30	U
127-18-4	Tetrachloroethene	30	U
108-88-3	Toluene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
108-90-7	Chlorobenzene	30	U
100-41-4	Ethylbenzene	30	U
100-42-5	Styrene	30	U
1330-20-7	Xylene, Total	30	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	30	U
156-59-2	cis-1,2-Dichloroethene	30	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 2.24 (g/mL) G Lab File ID: F7333.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 25.0 Heated Purge: Y Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	30	U
75-71-8	Dichlorodifluoromethane	6	J
75-69-4	Trichlorofluoromethane	30	U
79-20-9	Methyl Acetate	30	U
1634-04-4	Methyl tert-butyl ether	30	U
110-82-7	Cyclohexane	30	U
108-87-2	Methylcyclohexane	30	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	30	U
98-82-8	Isopropylbenzene	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 2.24 (g/mL) G Lab File ID: F7333.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: not dec. 25.0 Date Analyzed: 07/08/2004

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DIMETHYLNAPHTHALENE ISOMER	10.05	490	J
2.	UNKNOWN	10.86	360	J
3.	UNKNOWN	11.09	270	J
4.	UNKNOWN	11.32	440	J
5.	UNKNOWN	11.61	510	J
6.	UNKNOWN	11.71	480	J
7.	UNKNOWN	11.82	760	J
8.	UNKNOWN	11.90	590	J
9.	UNKNOWN	12.29	540	J
10.	UNKNOWN	12.35	520	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 30.40 (g/mL) G Lab File ID: Z61614.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 12.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	bis(2-Chloroisopropyl)ether	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-N-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	12	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
92-52-4	Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	910	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 30.40 (g/mL) G Lab File ID: Z61614.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 12.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	370	U
51-28-5	2,4-Dinitrophenol	910	U
100-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	370	U
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenylphenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	910	U
534-52-1	2-Methyl-4,6-dinitrophenol	910	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenylphenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
86-74-8	Carbazole	370	U
84-74-2	di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	18	BJ
117-84-0	di-n-Octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-c,d)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 30.40 (g/mL) G Lab File ID: Z61614.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 12.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	370	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 30.27 (g/mL) G Lab File ID: Z61615.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 16.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	390	U
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	bis(2-Chloroisopropyl)ether	390	U
98-86-2	Acetophenone	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-N-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
91-20-3	Naphthalene	24	J
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
105-60-2	Caprolactam	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
92-52-4	Biphenyl	390	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	950	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
99-09-2	3-Nitroaniline	950	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 30.27 (g/mL) G Lab File ID: Z61615.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 16.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	390	U
51-28-5	2,4-Dinitrophenol	950	U
100-02-7	4-Nitrophenol	950	U
132-64-9	Dibenzofuran	390	U
121-14-2	2,4-Dinitrotoluene	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenylphenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	950	U
534-52-1	2-Methyl-4,6-dinitrophenol	950	U
86-30-6	N-Nitrosodiphenylamine	390	U
101-55-3	4-Bromophenylphenylether	390	U
118-74-1	Hexachlorobenzene	390	U
1912-24-9	Atrazine	390	U
87-86-5	Pentachlorophenol	950	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
86-74-8	Carbazole	390	U
84-74-2	di-n-Butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	390	U
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	28	BJ
117-84-0	di-n-Octylphthalate	390	U
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-c,d)pyrene	390	U
53-70-3	Dibenzo(a,h)anthracene	390	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 30.27 (g/mL) G Lab File ID: Z61615.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 16.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	390	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 30.27 (g/mL) G Lab File ID: Z61615.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 16.9 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 30.69 (g/mL) G Lab File ID: Z61616.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 9.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-N-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	15	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 30.69 (g/mL) G Lab File ID: Z61616.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 9.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenylphenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	870	U
534-52-1	2-Methyl-4,6-dinitrophenol	870	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	11	BJ
117-84-0	di-n-Octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-c,d)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U

NYS DEC
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Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 30.69 (g/mL) G Lab File ID: Z61616.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 9.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	360	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 30.69 (g/mL) G Lab File ID: Z61616.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 9.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.2

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.75	100	J

NYS DEC
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Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61617.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	bis(2-Chloroisopropyl)ether	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-N-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	3600	E
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	8600	E
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
92-52-4	Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	220	J
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61617.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	970	
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	780	
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenylphenylether	340	U
86-73-7	Fluorene	1200	
100-01-6	4-Nitroaniline	820	U
534-52-1	2-Methyl-4,6-dinitrophenol	820	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenylphenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	3000	E
120-12-7	Anthracene	270	J
86-74-8	Carbazole	340	U
84-74-2	di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	110	J
129-00-0	Pyrene	200	J
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	16	J
218-01-9	Chrysene	23	J
117-81-7	bis(2-Ethylhexyl)phthalate	22	BJ
117-84-0	di-n-Octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
50-32-8	Benzo(a)pyrene	340	U
193-39-5	Indeno(1,2,3-c,d)pyrene	340	U
53-70-3	Dibenzo(a,h)anthracene	340	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61617.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	340	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61617.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 28 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	103-65-1	PROPYLBENZENE	7.40	830	JN
2.		ETHYLMETHYLBENZENE ISOMER	7.58	1300	J
3.		TRIMETHYLBENZENE ISOMER	7.70	970	J
4.		TRIMETHYLBENZENE ISOMER	8.16	3800	J
5.		TRIMETHYLBENZENE ISOMER	8.66	1900	J
6.	496-11-7	INDANE	8.90	1200	JN
7.		UNKNOWN	9.23	1700	J
8.		UNKNOWN	9.45	980	J
9.		ETHYLDIMETHYLBENZENE ISOMER	9.60	2100	J
10.		ETHYLDIMETHYLBENZENE ISOMER	10.25	970	J
11.		ETHENYLDIMETHYLBENZENE ISOME	10.81	1300	J
12.		UNKNOWN	11.56	1100	J
13.		UNKNOWN HYDROCARBON	11.73	1200	J
14.		UNKNOWN	12.11	1000	J
15.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.33	860	J
16.		UNKNOWN HYDROCARBON	12.60	1700	J
17.		UNKNOWN HYDROCARBON	13.61	1500	J
18.		UNKNOWN HYDROCARBON	14.05	1800	J
19.		ETHYLNAPHTHALENE ISOMER	14.38	1600	J
20.		DIMETHYLNAPHTHALENE ISOMER	14.56	2800	J
21.		DIMETHYLNAPHTHALENE ISOMER	14.78	3600	J
22.		DIMETHYLNAPHTHALENE ISOMER	14.98	2200	J
23.		UNKNOWN HYDROCARBON	15.11	2100	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61617.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 28

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	TRIMETHYLNAPHTHALENE ISOMER	16.00	1100	J
25.	TRIMETHYLNAPHTHALENE ISOMER	16.18	2400	J
26.	TRIMETHYLNAPHTHALENE ISOMER	16.33	1100	J
27.	UNKNOWN	16.63	1800	J
28.	UNKNOWN HYDROCARBON	17.38	1500	J

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ANALYSIS DATA SHEET

Client No.

D77604 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304DL

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61633.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3400	U
108-95-2	Phenol	3400	U
111-44-4	bis(2-Chloroethyl)ether	3400	U
95-57-8	2-Chlorophenol	3400	U
95-48-7	2-Methylphenol	3400	U
108-60-1	bis(2-Chloroisopropyl)ether	3400	U
98-86-2	Acetophenone	3400	U
106-44-5	4-Methylphenol	3400	U
621-64-7	N-Nitroso-di-N-propylamine	3400	U
67-72-1	Hexachloroethane	3400	U
98-95-3	Nitrobenzene	3400	U
78-59-1	Isophorone	3400	U
88-75-5	2-Nitrophenol	3400	U
105-67-9	2,4-Dimethylphenol	3400	U
111-91-1	bis(2-Chloroethoxy)methane	3400	U
120-83-2	2,4-Dichlorophenol	3400	U
91-20-3	Naphthalene	2900	DJ
106-47-8	4-Chloroaniline	3400	U
87-68-3	Hexachlorobutadiene	3400	U
105-60-2	Caprolactam	3400	U
59-50-7	4-Chloro-3-methylphenol	3400	U
91-57-6	2-Methylnaphthalene	8000	D
77-47-4	Hexachlorocyclopentadiene	3400	U
88-06-2	2,4,6-Trichlorophenol	3400	U
95-95-4	2,4,5-Trichlorophenol	3400	U
92-52-4	Biphenyl	3400	U
91-58-7	2-Chloronaphthalene	3400	U
88-74-4	2-Nitroaniline	8200	U
131-11-3	Dimethylphthalate	3400	U
208-96-8	Acenaphthylene	230	DJ
606-20-2	2,6-Dinitrotoluene	3400	U
99-09-2	3-Nitroaniline	8200	U

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Client No.

D77604 DL

ab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304DL

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61633.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

PC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	940	DJ
51-28-5	2,4-Dinitrophenol	8200	U
100-02-7	4-Nitrophenol	8200	U
132-64-9	Dibenzofuran	700	DJ
121-14-2	2,4-Dinitrotoluene	3400	U
84-66-2	Diethylphthalate	3400	U
7005-72-3	4-Chlorophenylphenylether	3400	U
86-73-7	Fluorene	1200	DJ
100-01-6	4-Nitroaniline	8200	U
534-52-1	2-Methyl-4,6-dinitrophenol	8200	U
86-30-6	N-Nitrosodiphenylamine	3400	U
101-55-3	4-Bromophenylphenylether	3400	U
118-74-1	Hexachlorobenzene	3400	U
1912-24-9	Atrazine	3400	U
87-86-5	Pentachlorophenol	8200	U
85-01-8	Phenanthrene	2600	DJ
120-12-7	Anthracene	250	DJ
86-74-8	Carbazole	110	DJ
84-74-2	di-n-Butylphthalate	3400	U
206-44-0	Fluoranthene	3400	U
129-00-0	Pyrene	170	DJ
85-68-7	Butylbenzylphthalate	3400	U
91-94-1	3,3'-Dichlorobenzidine	3400	U
56-55-3	Benzo(a)anthracene	3400	U
218-01-9	Chrysene	3400	U
117-81-7	bis(2-Ethylhexyl)phthalate	3400	U
117-84-0	di-n-Octylphthalate	3400	U
205-99-2	Benzo(b)fluoranthene	3400	U
207-08-9	Benzo(k)fluoranthene	3400	U
50-32-8	Benzo(a)pyrene	3400	U
193-39-5	Indeno(1,2,3-c,d)pyrene	3400	U
53-70-3	Dibenzo(a,h)anthracene	3400	U

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Client No.

D77604 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304DL

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61633.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	3400	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304DL

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61633.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		ETHYLMETHYLBENZENE ISOMER	7.31	3400	J
2.		TRIMETHYLBENZENE ISOMER	7.86	11000	J
3.		TRIMETHYLBENZENE ISOMER	8.38	5200	J
4.		UNKNOWN	8.96	4500	J
5.		METHYLMETHYLETHYLBENZENE ISO	9.33	4800	J
6.	767-58-8	1-METHYL INDAN	10.53	4500	JN
7.	700-12-9	PENTAMETHYLBENZENE	11.25	4200	JN
8.		UNKNOWN CYLOHEXANE DER.	11.83	3700	J
9.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.03	3900	J
10.	90-12-0	1-METHYLNAPHTHALENE	12.95	6400	JN
11.		UNKNOWN CYLOHEXANE DER.	13.30	3600	J
12.		ETHYLNAPHTHALENE ISOMER	14.06	5500	J
13.		DIMETHYLNAPHTHALENE ISOMER	14.21	8800	J
14.		DIMETHYLNAPHTHALENE ISOMER	14.41	9400	J
15.		DIMETHYLNAPHTHALENE ISOMER	14.45	10000	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.66	7800	J
17.		TRIMETHYLNAPHTHALENE ISOMER	15.41	4600	J
18.		TRIMETHYLNAPHTHALENE ISOMER	15.65	5400	J
19.		TRIMETHYLNAPHTHALENE ISOMER	15.70	4800	J
20.		UNKNOWN	15.81	3200	J
21.		TRIMETHYLNAPHTHALENE ISOMER	15.86	8900	J
22.		TRIMETHYLNAPHTHALENE ISOMER	16.03	5600	J
23.		UNKNOWN BIPHENYL DER.	16.35	6700	J

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304DL

Sample wt/vol: 30.95 (g/mL) G Lab File ID: Z61633.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 5.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	16.80	3200	J
25.	UNKNOWN BIPHENYL DER.	17.28	3600	J
26.	UNKNOWN PAH DER.	19.46	3200	J

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ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61618.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	bis(2-Chloroisopropyl)ether	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-N-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	570	
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	4600	E
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
92-52-4	Biphenyl	310	J
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	99	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	900	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61618.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	420	
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	370	
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenylphenylether	370	U
86-73-7	Fluorene	610	
100-01-6	4-Nitroaniline	900	U
534-52-1	2-Methyl-4,6-dinitrophenol	900	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenylphenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	1400	
120-12-7	Anthracene	120	J
86-74-8	Carbazole	40	J
84-74-2	di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	48	J
129-00-0	Pyrene	91	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	26	BJ
117-84-0	di-n-Octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-c,d)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U

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ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61618.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	370	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61618.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		TRIMETHYLBENZENE ISOMER	8.13	780	J
2.		UNKNOWN HYDROCARBON	8.90	650	J
3.		UNKNOWN HYDROCARBON	9.21	1100	J
4.		METHYLMETHYLETHYLBENZENE ISO	9.58	1000	J
5.	767-58-8	1-METHYL INDAN	10.80	590	JN
6.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.53	540	J
7.		UNKNOWN CYCLOHEXANE DER.	12.10	710	J
8.		UNKNOWN HYDROCARBON	12.55	1200	J
9.		UNKNOWN	12.73	540	J
10.	90-12-0	1-METHYLNAPHTHALENE	13.23	760	JN
11.		UNKNOWN	13.31	480	J
12.		UNKNOWN	13.41	450	J
13.		UNKNOWN	13.56	620	J
14.		ETHYLNAPHTHALENE ISOMER	14.33	850	J
15.		DIMETHYLNAPHTHALENE ISOMER	14.50	1500	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.71	1800	J
17.		DIMETHYLNAPHTHALENE ISOMER	14.75	1300	J
18.		DIMETHYLNAPHTHALENE ISOMER	14.95	940	J
19.		TRIMETHYLNAPHTHALENE ISOMER	15.66	570	J
20.		TRIMETHYLNAPHTHALENE ISOMER	15.90	770	J
21.		TRIMETHYLNAPHTHALENE ISOMER	15.95	780	J
22.		UNKNOWN HYDROCARBON	16.03	500	J
23.		TRIMETHYLNAPHTHALENE ISOMER	16.11	780	J

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61618.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	TRIMETHYLNAPHTHALENE ISOMER	16.15	490	J
25.	UNKNOWN PAH DER.	16.60	660	J

NYS DEC
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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77605 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305DL

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61634.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1800	U
108-95-2	Phenol	1800	U
111-44-4	bis(2-Chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	bis(2-Chloroisopropyl)ether	1800	U
98-86-2	Acetophenone	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-di-N-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	bis(2-Chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
91-20-3	Naphthalene	600	DJ
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
105-60-2	Caprolactam	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-57-6	2-Methylnaphthalene	6100	D
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	1800	U
92-52-4	Biphenyl	360	DJ
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethylphthalate	1800	U
208-96-8	Acenaphthylene	120	DJ
606-20-2	2,6-Dinitrotoluene	1800	U
99-09-2	3-Nitroaniline	4500	U

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ANALYSIS DATA SHEET

Client No.

D77605 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305DL

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61634.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	530	DJ
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	430	DJ
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
7005-72-3	4-Chlorophenylphenylether	1800	U
86-73-7	Fluorene	740	DJ
100-01-6	4-Nitroaniline	4500	U
534-52-1	2-Methyl-4,6-dinitrophenol	4500	U
86-30-6	N-Nitrosodiphenylamine	1800	U
101-55-3	4-Bromophenylphenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
1912-24-9	Atrazine	1800	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	1800	D
120-12-7	Anthracene	170	DJ
86-74-8	Carbazole	1800	U
84-74-2	di-n-Butylphthalate	1800	U
206-44-0	Fluoranthene	59	DJ
129-00-0	Pyrene	110	DJ
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	1800	U
218-01-9	Chrysene	1800	U
117-81-7	bis(2-Ethylhexyl)phthalate	1800	U
117-84-0	di-n-Octylphthalate	1800	U
205-99-2	Benzo(b)fluoranthene	1800	U
207-08-9	Benzo(k)fluoranthene	1800	U
50-32-8	Benzo(a)pyrene	1800	U
193-39-5	Indeno(1,2,3-c,d)pyrene	1800	U
53-70-3	Dibenzo(a,h)anthracene	1800	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77605 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305DL

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61634.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	1800	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305DL

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61634.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN BENZENE DER.	10.53	1500	J
2.	1559-81-5	1,2,3,4-TETRAHYDRO-1-METHYL-	11.26	1400	JN
3.		UNKNOWN CYCLOHEXANE DER.	11.83	1800	J
4.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.03	1900	J
5.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.25	1600	J
6.		UNKNOWN	12.83	1600	J
7.	90-12-0	1-METHYLNAPHTHALENE	12.95	3900	JN
8.		UNKNOWN BENZENE DER.	13.03	1500	J
9.		UNKNOWN CYCLOHEXANE DER.	13.30	1600	J
10.		ETHYLNAPHTHALENE ISOMER	14.05	2400	J
11.		DIMETHYLNAPHTHALENE ISOMER	14.21	4600	J
12.		DIMETHYLNAPHTHALENE ISOMER	14.40	5100	J
13.		DIMETHYLNAPHTHALENE ISOMER	14.66	4200	J
14.		TRIMETHYLNAPHTHALENE ISOMER	15.40	2000	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.63	2500	J
16.		TRIMETHYLNAPHTHALENE ISOMER	15.70	2500	J
17.	2883-02-5	N-NONYLCYCLOHEXANE	15.81	1600	JN
18.		TRIMETHYLNAPHTHALENE ISOMER	15.86	4700	J
19.		TRIMETHYLNAPHTHALENE ISOMER	16.03	3100	J
20.		UNKNOWN BIPHENYL DER.	16.35	3100	J
21.		UNKNOWN NAPHTHALENE DER.	16.80	1700	J
22.		UNKNOWN BIPHENYL DER.	17.28	2000	J
23.		UNKNOWN BIPHENYL DER.	17.48	1600	J

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305DL

Sample wt/vol: 30.08 (g/mL) G Lab File ID: Z61634.RR

Level: (low/med) LOW Date Samp/Recv: 07/01/2004 07/02/2004

% Moisture: 11.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24. 132-65-0	DIBENZOTHIOPHENE	17.65	1500	JN
25.	UNKNOWN PAH DER.	18.66	1400	J
26.	UNKNOWN PAH DER.	19.46	2000	J

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ANALYSIS DATA SHEET

Client No.

D77606

ab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z61619.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 26.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	440	U
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
98-86-2	Acetophenone	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-N-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
91-20-3	Naphthalene	460	
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
105-60-2	Caprolactam	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	620	
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	440	U
92-52-4	Biphenyl	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z61619.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

Moisture: 26.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	900	
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenylphenylether	440	U
86-73-7	Fluorene	1100	
100-01-6	4-Nitroaniline	1100	U
534-52-1	2-Methyl-4,6-dinitrophenol	1100	U
86-30-6	N-Nitrosodiphenylamine	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
1912-24-9	Atrazine	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	di-n-Butylphthalate	440	U
206-44-0	Fluoranthene	210	J
129-00-0	Pyrene	330	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U
56-55-3	Benzo(a)anthracene	23	J
218-01-9	Chrysene	42	J
117-81-7	bis(2-Ethylhexyl)phthalate	56	BJ
117-84-0	di-n-Octylphthalate	19	J
205-99-2	Benzo(b)fluoranthene	16	J
207-08-9	Benzo(k)fluoranthene	8	J
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-c,d)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U

NYS DEC
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Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z61619.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 26.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	440	U

NYS DEC
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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z61619.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 26.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		DECAHYDRONAPHTHALENE ISOMER	9.23	1000	J
2.		UNKNOWN CYCLOHEXANE DER.	9.60	840	J
3.		DECAHYDRO-2-METHYLNAPHTHALEN	10.18	870	J
4.		DECAHYDRO-2-METHYLNAPHTHALEN	10.45	1000	J
5.	700-12-9	PENTAMETHYLBENZENE	11.53	1400	JN
6.		UNKNOWN HYDROCARBON	11.71	1000	J
7.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	11.91	1400	JN
8.		UNKNOWN	12.10	1200	J
9.		UNKNOWN	12.53	750	J
10.		UNKNOWN	12.58	1500	J
11.		UNKNOWN	12.68	730	J
12.		UNKNOWN	12.76	1300	J
13.	1129-29-9	1-(1-METHYLETHENYL)-3-METHYL	13.33	1100	JN
14.		UNKNOWN	13.45	1500	J
15.		UNKNOWN	13.60	1200	J
16.		UNKNOWN	13.86	1300	J
17.		UNKNOWN	14.36	1200	J
18.		UNKNOWN	14.81	2800	J
19.	0	DECAHYDRO-4,4,8,9,10-PENTAME	15.26	900	JN
20.		TRIMETHYLNAPHTHALENE ISOMER	16.00	1700	J
21.		TRIMETHYLNAPHTHALENE ISOMER	16.16	3200	J
22.		UNKNOWN PAH DER.	19.75	900	J
23.		UNKNOWN PAH DER.	20.11	710	J

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z61619.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 26.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	20.31	1000	J
25.	UNKNOWN PAH DER.	20.36	1000	J

NYS DEC
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Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61620.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 13.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

PC Cleanup: (Y/N) N pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	bis(2-Chloroisopropyl)ether	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-N-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	840	J
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	2800	
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	Biphenyl	250	J
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethylphthalate	1900	U
208-96-8	Acenaphthylene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
99-09-2	3-Nitroaniline	4500	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61620.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

Moisture: 13.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1900	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	410	J
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
7005-72-3	4-Chlorophenylphenylether	1900	U
86-73-7	Fluorene	320	J
100-01-6	4-Nitroaniline	4500	U
534-52-1	2-Methyl-4,6-dinitrophenol	4500	U
86-30-6	N-Nitrosodiphenylamine	1900	U
101-55-3	4-Bromophenylphenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	720	J
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	di-n-Butylphthalate	1900	U
206-44-0	Fluoranthene	90	J
129-00-0	Pyrene	300	J
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	1900	U
218-01-9	Chrysene	82	J
117-81-7	bis(2-Ethylhexyl)phthalate	51	BJ
117-84-0	di-n-Octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	1900	U
207-08-9	Benzo(k)fluoranthene	1900	U
50-32-8	Benzo(a)pyrene	1900	U
193-39-5	Indeno(1,2,3-c,d)pyrene	1900	U
53-70-3	Dibenzo(a,h)anthracene	1900	U

NYS DEC
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Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61620.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 13.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	1900	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61620.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 13.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

Number TICs found: 29 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	11.90	3100	JN
2.		UNKNOWN CYCLOHEXANE DER.	12.26	1000	J
3.		UNKNOWN	12.43	1600	J
4.		UNKNOWN	12.50	1500	J
5.		UNKNOWN	12.71	2100	J
6.		UNKNOWN	12.85	910	J
7.		UNKNOWN	13.10	1300	J
8.		UNKNOWN	13.16	1500	J
9.		UNKNOWN	13.56	1700	J
10.		UNKNOWN	13.61	1400	J
11.		UNKNOWN	13.81	2400	J
12.	54965-05-8	1,1,3-TRIMETHYL-2-(3-METHYLP	14.20	2700	JN
13.		UNKNOWN	14.30	3400	J
14.		DIMETHYLNAPHTHALENE ISOMER	14.48	2800	J
15.		UNKNOWN	14.63	1200	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.71	4500	J
17.		UNKNOWN	14.90	1800	J
18.		UNKNOWN	15.10	2400	J
19.		UNKNOWN	15.21	4200	J
20.		UNKNOWN	15.28	4800	J
21.		UNKNOWN	15.46	2300	J
22.		UNKNOWN	15.56	1300	J
23.		UNKNOWN	15.65	4000	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61620.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 13.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.4

Number TICs found: 29 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	16.10	3300	J
25.	UNKNOWN	17.13	1700	J
26.	DIMETHYLBIPHENYL ISOMER	17.50	2500	J
27.	UNKNOWN	17.61	2200	J
28.	UNKNOWN PAH DER.	18.88	2200	J
29.	UNKNOWN PAH DER.	20.33	870	J

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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61621.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	420	U
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
95-48-7	2-Methylphenol	57	J
108-60-1	bis(2-Chloroisopropyl)ether	420	U
98-86-2	Acetophenone	420	U
106-44-5	4-Methylphenol	150	J
621-64-7	N-Nitroso-di-N-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
91-20-3	Naphthalene	5000	E
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
105-60-2	Caprolactam	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	1500	
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	420	U
92-52-4	Biphenyl	350	J
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	1200	
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U

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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61621.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	340	J
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	1100	
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenylphenylether	420	U
86-73-7	Fluorene	1600	
100-01-6	4-Nitroaniline	1000	U
534-52-1	2-Methyl-4,6-dinitrophenol	1000	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenylphenylether	420	U
118-74-1	Hexachlorobenzene	420	U
1912-24-9	Atrazine	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	3700	E
120-12-7	Anthracene	1100	
86-74-8	Carbazole	460	
84-74-2	di-n-Butylphthalate	420	U
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U
56-55-3	Benzo(a)anthracene	860	
218-01-9	Chrysene	720	
117-81-7	bis(2-Ethylhexyl)phthalate	62	BJ
117-84-0	di-n-Octylphthalate	26	J
205-99-2	Benzo(b)fluoranthene	980	
207-08-9	Benzo(k)fluoranthene	1200	
50-32-8	Benzo(a)pyrene	610	
193-39-5	Indeno(1,2,3-c,d)pyrene	170	J
53-70-3	Dibenzo(a,h)anthracene	82	J

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ANALYSIS DATA SHEET

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61621.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	140	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61621.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	14676-29-0	2-ETHYL-2-METHYLHEPTANE	7.15	1200	JN
2.	6783-92-2	1,1,2,3-TETRAMETHYLCYCLOHEXA	7.45	570	JN
3.		UNKNOWN	7.53	410	J
4.		UNKNOWN	7.76	740	J
5.		UNKNOWN	8.18	390	J
6.		UNKNOWN HYDROCARBON	8.71	320	J
7.		UNKNOWN HYDROCARBON	8.91	1200	J
8.		UNKNOWN HYDROCARBON	9.05	1000	J
9.		DECAHYDRONAPHTHALENE ISOMER	9.25	1500	J
10.	81983-71-3	1,1-DIMETHYL-2-PROPYLCYCLOHE	9.40	790	JN
11.		UNKNOWN	9.60	1000	J
12.		UNKNOWN	9.91	260	J
13.		DECAHYDRO-2-METHYLNAPHTHALEE	10.20	510	J
14.		DECAHYDRO-2-METHYLNAPHTHALEE	10.46	330	J
15.		UNKNOWN	11.55	370	J
16.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	11.93	450	JN
17.		UNKNOWN	12.13	270	J
18.		UNKNOWN	12.48	260	J
19.		UNKNOWN	13.35	390	J
20.		UNKNOWN HYDROCARBON	13.45	450	J
21.		UNKNOWN	13.61	510	J
22.		UNKNOWN	13.88	340	J
23.		TRIMETHYLNAPHTHALENE ISOMER	16.15	440	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61621.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 24

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER	24.56	280	J

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ANALYSIS DATA SHEET

Client No.

D77608 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308DL

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61635.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	8400	U
108-95-2	Phenol	8400	U
111-44-4	bis(2-Chloroethyl)ether	8400	U
95-57-8	2-Chlorophenol	8400	U
95-48-7	2-Methylphenol	8400	U
108-60-1	bis(2-Chloroisopropyl)ether	8400	U
98-86-2	Acetophenone	8400	U
106-44-5	4-Methylphenol	8400	U
621-64-7	N-Nitroso-di-N-propylamine	8400	U
67-72-1	Hexachloroethane	8400	U
98-95-3	Nitrobenzene	8400	U
78-59-1	Isophorone	8400	U
88-75-5	2-Nitrophenol	8400	U
105-67-9	2,4-Dimethylphenol	8400	U
111-91-1	bis(2-Chloroethoxy)methane	8400	U
120-83-2	2,4-Dichlorophenol	8400	U
91-20-3	Naphthalene	6100	DJ
106-47-8	4-Chloroaniline	8400	U
87-68-3	Hexachlorobutadiene	8400	U
105-60-2	Caprolactam	8400	U
59-50-7	4-Chloro-3-methylphenol	8400	U
91-57-6	2-Methylnaphthalene	1800	DJ
77-47-4	Hexachlorocyclopentadiene	8400	U
88-06-2	2,4,6-Trichlorophenol	8400	U
95-95-4	2,4,5-Trichlorophenol	8400	U
92-52-4	Biphenyl	8400	U
91-58-7	2-Chloronaphthalene	8400	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	8400	U
208-96-8	Acenaphthylene	1500	DJ
606-20-2	2,6-Dinitrotoluene	8400	U
99-09-2	3-Nitroaniline	20000	U

NYS DEC
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Client No.

D77608 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308DL

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61635.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	430	DJ
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	1400	DJ
121-14-2	2,4-Dinitrotoluene	8400	U
84-66-2	Diethylphthalate	8400	U
7005-72-3	4-Chlorophenylphenylether	8400	U
86-73-7	Fluorene	2100	DJ
100-01-6	4-Nitroaniline	20000	U
534-52-1	2-Methyl-4,6-dinitrophenol	20000	U
86-30-6	N-Nitrosodiphenylamine	8400	U
101-55-3	4-Bromophenylphenylether	8400	U
118-74-1	Hexachlorobenzene	8400	U
1912-24-9	Atrazine	8400	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	5600	DJ
120-12-7	Anthracene	1500	DJ
86-74-8	Carbazole	8400	U
84-74-2	di-n-Butylphthalate	8400	U
206-44-0	Fluoranthene	2800	DJ
129-00-0	Pyrene	2000	DJ
85-68-7	Butylbenzylphthalate	8400	U
91-94-1	3,3'-Dichlorobenzidine	8400	U
56-55-3	Benzo(a)anthracene	1000	DJ
218-01-9	Chrysene	850	DJ
117-81-7	bis(2-Ethylhexyl)phthalate	8400	U
117-84-0	di-n-Octylphthalate	8400	U
205-99-2	Benzo(b)fluoranthene	570	DJ
207-08-9	Benzo(k)fluoranthene	530	DJ
50-32-8	Benzo(a)pyrene	640	DJ
193-39-5	Indeno(1,2,3-c,d)pyrene	300	DJ
53-70-3	Dibenzo(a,h)anthracene	8400	U

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Client No.

D77608 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308DL

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61635.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	330	DJ

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308DL

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61635.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN HYDROCARBON	8.63	3400	J
2.		DECAHYDRONAPHTHALENE ISOMER	8.96	4300	J
3.		DIETHYLMETHYLCYCLOHEXANE ISO	9.31	3300	J
4.	2958-76-1	DECAHYDRO-2-METHYL-NAPHTHALE	9.90	3200	JN
5.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	11.63	4100	JN
6.		UNKNOWN	11.83	3100	J
7.		UNKNOWN	12.16	4700	J
8.		UNKNOWN HYDROCARBON	12.28	3900	J
9.		UNKNOWN	13.03	4200	J
10.		UNKNOWN HYDROCARBON	13.15	4900	J
11.		UNKNOWN	13.30	5600	J
12.		UNKNOWN	13.55	3600	J
13.	0	DECAHYDRO-4,4,8,9,10-PENTAME	13.78	3200	JN
14.		UNKNOWN HYDROCARBON	14.05	5900	J
15.		UNKNOWN HYDROCARBON	14.43	3900	J
16.		UNKNOWN	14.48	6100	J
17.		UNKNOWN	14.66	5700	J
18.		UNKNOWN	14.93	3700	J
19.		UNKNOWN	15.03	3200	J
20.		UNKNOWN	15.36	3800	J
21.		TRIMETHYLNAPHTHALENE ISOMER	15.85	3200	J
22.		UNKNOWN HYDROCARBON	16.15	4700	J
23.		UNKNOWN	16.33	4900	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308DL

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z61635.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 22.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 25

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	17.65	5100	J
25.	UNKNOWN HYDROCARBON	18.40	3600	J

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ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.00 (g/mL) G Lab File ID: Z61622.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

Moisture: 16.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	bis(2-Chloroisopropyl)ether	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-N-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	27	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	45	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
92-52-4	Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	960	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	26	J
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	960	U

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Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.00 (g/mL) G Lab File ID: Z61622.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 16.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	65	J
51-28-5	2,4-Dinitrophenol	960	U
100-02-7	4-Nitrophenol	960	U
132-64-9	Dibenzofuran	82	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenylphenylether	400	U
86-73-7	Fluorene	120	J
100-01-6	4-Nitroaniline	960	U
534-52-1	2-Methyl-4,6-dinitrophenol	960	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenylphenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	960	U
85-01-8	Phenanthrene	190	J
120-12-7	Anthracene	26	J
86-74-8	Carbazole	400	U
84-74-2	di-n-Butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	12	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	34	BJ
117-84-0	di-n-Octylphthalate	11	J
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-c,d)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U

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Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.00 (g/mL) G Lab File ID: Z61622.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 16.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	400	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.00 (g/mL) G Lab File ID: Z61622.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 16.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CYCLOHEXANE DER.	12.08	240	J
2.	UNKNOWN	12.71	200	J
3.	UNKNOWN	13.06	250	J
4.	UNKNOWN HYDROCARBON	13.16	200	J
5.	UNKNOWN	13.30	300	J
6.	UNKNOWN HYDROCARBON	13.38	200	J
7.	UNKNOWN	13.55	280	J
8.	UNKNOWN	14.31	410	J
9.	DIMETHYLNAPHTHALENE ISOMER	14.46	570	J
10.	DIMETHYLNAPHTHALENE ISOMER	14.66	660	J
11.	UNKNOWN	14.75	360	J
12.	DIMETHYLNAPHTHALENE ISOMER	14.91	390	J
13. 0	DECAHYDRO-4,4,8,9,10-PENTAME	15.20	220	JN
14.	TRIMETHYLNAPHTHALENE ISOMER	15.55	250	J
15.	TRIMETHYLNAPHTHALENE ISOMER	15.65	410	J
16.	TRIMETHYLNAPHTHALENE ISOMER	15.86	480	J
17.	TRIMETHYLNAPHTHALENE ISOMER	15.93	460	J
18.	UNKNOWN HYDROCARBON	16.01	360	J
19.	TRIMETHYLNAPHTHALENE ISOMER	16.11	940	J
20.	TRIMETHYLNAPHTHALENE ISOMER	16.25	570	J
21.	UNKNOWN NAPHTHALENE DER.	16.56	640	J
22.	UNKNOWN BIPHENYL DER.	16.63	350	J
23.	UNKNOWN HYDROCARBON	16.86	730	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.00 (g/mL) G Lab File ID: Z61622.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 16.8 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	17.48	270	J
25.	UNKNOWN PAH DER.	18.58	200	J

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Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61623.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

Moisture: 11.2 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-N-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	20	J
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	880	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	880	U

NYS DEC
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Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61623.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 11.2 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	360	U
51-28-5	2,4-Dinitrophenol	880	U
100-02-7	4-Nitrophenol	880	U
132-64-9	Dibenzofuran	360	U
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenylphenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	880	U
534-52-1	2-Methyl-4,6-dinitrophenol	880	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	880	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
86-74-8	Carbazole	360	U
84-74-2	di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	21	BJ
117-84-0	di-n-Octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-c,d)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U

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Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z61623.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 11.2 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	360	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.88 (g/mL) G Lab File ID: Z61624.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 25.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	430	U
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	bis(2-Chloroisopropyl)ether	430	U
98-86-2	Acetophenone	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-N-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
91-20-3	Naphthalene	220	J
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
105-60-2	Caprolactam	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	660	
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	430	U
92-52-4	Biphenyl	80	J
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U
99-09-2	3-Nitroaniline	1000	U

NYS DEC
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Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.88 (g/mL) G Lab File ID: Z61624.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 25.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	71	J
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	110	J
121-14-2	2,4-Dinitrotoluene	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenylphenylether	430	U
86-73-7	Fluorene	160	J
100-01-6	4-Nitroaniline	1000	U
534-52-1	2-Methyl-4,6-dinitrophenol	1000	U
86-30-6	N-Nitrosodiphenylamine	430	U
101-55-3	4-Bromophenylphenylether	430	U
118-74-1	Hexachlorobenzene	430	U
1912-24-9	Atrazine	430	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	460	
120-12-7	Anthracene	91	J
86-74-8	Carbazole	430	U
84-74-2	di-n-Butylphthalate	430	U
206-44-0	Fluoranthene	480	
129-00-0	Pyrene	440	
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	430	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	200	J
117-81-7	bis(2-Ethylhexyl)phthalate	66	BJ
117-84-0	di-n-Octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	210	J
207-08-9	Benzo(k)fluoranthene	140	J
50-32-8	Benzo(a)pyrene	210	J
193-39-5	Indeno(1,2,3-c,d)pyrene	89	J
53-70-3	Dibenzo(a,h)anthracene	40	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.88 (g/mL) G Lab File ID: Z61624.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 25.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	88	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.88 (g/mL) G Lab File ID: Z61624.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 25.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	11.90	360	JN
2.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	12.08	230	JN
3.		UNKNOWN	12.26	310	J
4.		UNKNOWN	12.45	390	J
5.		UNKNOWN	12.71	410	J
6.		UNKNOWN	12.85	290	J
7.		UNKNOWN	13.10	300	J
8.		UNKNOWN	13.18	550	J
9.		UNKNOWN	13.58	410	J
10.		UNKNOWN	13.63	620	J
11.		UNKNOWN	13.83	720	J
12.	0	DECAHYDRO-4,4,8,9,10-PENTAME	14.06	730	JN
13.	54965-05-8	1,1,3-TRIMETHYL-2-(3-METHYLP	14.20	1300	JN
14.		UNKNOWN	14.31	910	J
15.		DIMETHYLNAPHTHALENE ISOMER	14.48	490	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.73	1100	J
17.		UNKNOWN	14.78	1200	J
18.		UNKNOWN	14.91	550	J
19.		UNKNOWN	15.11	1300	J
20.		UNKNOWN	15.23	1500	J
21.		UNKNOWN	15.30	1800	J
22.		UNKNOWN	15.58	330	J
23.		UNKNOWN	16.11	770	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.88 (g/mL) G Lab File ID: Z61624.RR

Level: (low/med) LOW Date Samp/Recv: 07/02/2004 07/02/2004

% Moisture: 25.0 decanted: (Y/N) N Date Extracted: 07/09/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.6

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	16.60	410	J
25. 54676-39-0	2-BUTYL-1,1,3-TRIMETHYLCYCLO	17.16	500	JN
26. 529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	17.35	740	JN
27.	DIMETHYLBIPHENYL ISOMER	17.51	1200	J
28.	UNKNOWN	17.63	860	J
29.	UNKNOWN PAH DER.	20.30	440	J
30.	UNKNOWN PAH DER.	20.35	380	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628301

Sample wt/vol: 30.31 (g/mL) G Lab File ID: 24A05191.TX0

% Moisture: 12.9 decanted: (Y/N) N Date Samp/Recv: 07/01/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	11	U
	Fuel Oil #4	11	U
	Fuel Oil #6	11	U
	Gasoline	11	U
	Kerosene	11	U
	Motor Oil	11	U
	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628302

Sample wt/vol: 30.54 (g/mL) G Lab File ID: 24A05192.TX0

% Moisture: 16.9 decanted: (Y/N) N Date Samp/Recv: 07/01/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	12	U
	Fuel Oil #4	12	U
	Fuel Oil #6	4.6	J
	Gasoline	12	U
	Kerosene	12	U
	Motor Oil	12	U
	Other-1	12	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628303

Sample wt/vol: 30.78 (g/mL) G Lab File ID: 24A05193.TX0

% Moisture: 9.8 decanted: (Y/N) N Date Samp/Recv: 07/01/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	11	U
	Fuel Oil #4	11	U
	Fuel Oil #6	11	U
	Gasoline	11	U
	Kerosene	11	U
	Motor Oil	11	U
	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628304

Sample wt/vol: 30.98 (g/mL) G Lab File ID: 24A05209.TX0

% Moisture: 5.0 decanted: (Y/N) N Date Samp/Recv: 07/01/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/08/2004

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	1600	
----------	Fuel Oil #4	100	U
----------	Fuel Oil #6	100	U
----------	Gasoline	100	U
----------	Kerosene	100	U
----------	Motor Oil	100	U
----------	Other-1	100	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628305

Sample wt/vol: 30.36 (g/mL) G Lab File ID: 24A05195.TX0

% Moisture: 11.0 decanted: (Y/N) N Date Samp/Recv: 07/01/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	90	
----------	Fuel Oil #4	11	U
----------	Fuel Oil #6	11	U
----------	Gasoline	11	U
----------	Kerosene	11	U
----------	Motor Oil	11	U
----------	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628306

Sample wt/vol: 30.36 (g/mL) G Lab File ID: 24A05210.TX0

% Moisture: 26.0 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/08/2004

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	----------Fuel Oil #2	3900	
	----------Fuel Oil #4	130	U
	----------Fuel Oil #6	130	U
	----------Gasoline	130	U
	----------Kerosene	130	U
	----------Motor Oil	130	U
	----------Other-1	130	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628307

Sample wt/vol: 30.08 (g/mL) G Lab File ID: 24A05211.TX0

% Moisture: 13.8 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/08/2004

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	----------Fuel Oil #2	120	U
	----------Fuel Oil #4	120	U
	----------Fuel Oil #6	120	U
	----------Gasoline	120	U
	----------Kerosene	120	U
	----------Motor Oil	120	U
	----------Other-1	120	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628308

Sample wt/vol: 30.37 (g/mL) G Lab File ID: 24A05212.TX0

% Moisture: 22.8 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/08/2004

Injection Volume: 1.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	1600	
----------	Fuel Oil #4	130	U
----------	Fuel Oil #6	130	U
----------	Gasoline	130	U
----------	Kerosene	130	U
----------	Motor Oil	130	U
----------	Other-1	130	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628309

Sample wt/vol: 30.97 (g/mL) G Lab File ID: 24A05200.TX0

% Moisture: 16.8 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	72	
----------	Fuel Oil #4	12	U
----------	Fuel Oil #6	12	U
----------	Gasoline	12	U
----------	Kerosene	12	U
----------	Motor Oil	12	U
----------	Other-1	12	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 30.19 (g/mL) G Lab File ID: 24A05213.TX0

% Moisture: 15.4 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/08/2004

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	10000	
----------	Fuel Oil #4	240	U
----------	Fuel Oil #6	240	U
----------	Gasoline	240	U
----------	Kerosene	240	U
----------	Motor Oil	240	U
----------	Other-1	240	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628311

Sample wt/vol: 30.39 (g/mL) G Lab File ID: 24A05204.TX0

% Moisture: 11.2 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	11	U
	Fuel Oil #4	11	U
	Fuel Oil #6	11	U
	Gasoline	11	U
	Kerosene	11	U
	Motor Oil	11	U
	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628312

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 24A05205.TX0

% Moisture: 25.0 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/06/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/07/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	----------Fuel Oil #2	13	U
	----------Fuel Oil #4	13	U
	----------Fuel Oil #6	13	U
	----------Gasoline	13	U
	----------Kerosene	13	U
	----------Motor Oil	13	U
	----------Other-1	13	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 30.89 (g/mL) G Lab File ID: 18A17180.TX0

% Moisture: 15.4 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/08/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 1.00 (uL) Dilution Factor: 4.00

GPC Cleanup: (Y/N) N pH: 6.99 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.7	J
319-85-7	beta-BHC	1.7	J
319-86-8	delta-BHC	37	U
58-89-9	gamma-BHC (Lindane)	37	U
76-44-8	Heptachlor	1.2	J
309-00-2	Aldrin	6.4	J
1024-57-3	Heptachlor epoxide	37	U
959-98-8	Endosulfan I (Alpha)	74	U
60-57-1	Dieldrin	2.0	J
72-55-9	4,4'-DDE	26	J
72-20-8	Endrin	74	U
33213-65-9	Endosulfan II (Beta)	74	U
72-54-8	4,4'-DDD	32	J
1031-07-8	Endosulfan sulfate	29	J
50-29-3	4,4'-DDT	74	U
72-43-5	Methoxychlor	370	U
53494-70-5	Endrin ketone	89	
7421-93-4	Endrin aldehyde	8.1	J
5103-71-9	Chlordane (alpha & gamma)	10	J
5103-74-2	Chlordane (alpha & gamma)	180	U
8001-35-2	Toxaphene	740	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix: (soil/water) SOIL Lab Sample ID: A4628310

Sample wt/vol: 30.73 (g/mL) G Lab File ID: 14A23105.TX0

% Moisture: 15.4 decanted: (Y/N) N Date Samp/Recv: 07/02/2004 07/02/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/08/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/12/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.99 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	92	U
11104-28-2	PCB-1221	92	U
11141-16-5	PCB-1232	92	U
53469-21-9	PCB-1242	92	U
12672-29-6	PCB-1248	92	U
11097-69-1	PCB-1254	92	U
11096-82-5	PCB-1260	92	U

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77610

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07101

Matrix (soil/water): SOIL Lab Sample ID: AD434998

Level (low/med): LOW Date Received: 7/2/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2170		*	P
7440-36-0	Antimony	3.1	B	N	P
7440-38-2	Arsenic	10.0		N	P
7440-39-3	Barium	45.1			P
7440-41-7	Beryllium	0.38	B		P
7440-43-9	Cadmium	0.06	B		P
7440-70-2	Calcium	2220		*	P
7440-47-3	Chromium	14.9			P
7440-48-4	Cobalt	5.1	B		P
7440-50-8	Copper	51.8		N*	P
7439-89-6	Iron	14500			P
7439-92-1	Lead	157			P
7439-95-4	Magnesium	175	B		P
7439-96-5	Manganese	72.1		*	P
7440-02-0	Nickel	10.2			P
7440-09-7	Potassium	224	B		P
7782-49-2	Selenium	2.7	B		P
7439-97-6	Mercury	0.056		N	CV
7440-22-4	Silver	0.15	B		P
7440-23-5	Sodium	39.1	B		P
7440-28-0	Thallium	0.58	U		P
7440-62-2	Vanadium	9.7			P
7440-66-6	Zinc	10.2			P

Color Before: BLACK Clarity Before: N/A Texture: SILT

Color After: BLACK Clarity After: CLDY/FI Artifacts:

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628301

% Solids: 0.0 Date Samp/Recv: 07/01/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.99				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628302

% Solids: 0.0 Date Samp/Recv: 07/01/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.35				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628303

% Solids: 0.0 Date Samp/Recv: 07/01/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.24				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628304

% Solids: 0.0 Date Samp/Recv: 07/01/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.45				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628305

% Solids: 0.0 Date Samp/Recv: 07/01/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.08				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628306

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.43				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628307

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.41				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628308

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	5.36				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628309

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.06				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628310

% Solids: 84.6 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.0	U			9012	07/06/2004
Leachable pH	S.U.	6.99				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628311

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.13				9045	07/13/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77612

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07101

Matrix (soil/water): SOIL Lab Sample ID: A4628312

% Solids: 0.0 Date Samp/Recv: 07/02/2004 07/02/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.63				9045	07/13/2004

Comments:

Soil Sample D77610 (SVOCs only)
(GP-16)

ANALYTICAL REPORT

Job#: A04-6511

STL Project#: NY1A8770.8
SDG#: 07201
Site Name: NYS DEC ASP Contract #C004154 - Region 8
Task: RH804

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Greg MacLean

STL Buffalo

Brian J. Fischer
Project Manager

08/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390
Wyoming UST	UST	NA

SAMPLE DATA SUMMARY PACKAGE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4651101	D77610	07/09/2004	12:30	07/09/2004	16:05
A4651101MS	D77610	07/09/2004	12:30	07/09/2004	16:05
A4651101SD	D77610	07/09/2004	12:30	07/09/2004	16:05

METHODS SUMMARY

Job#: A04-6511

STL Project#: NY1A8770.8
SDG#: 07201
Site Name: NYS DEC ASP Contract #C004154 - Region 8

PARAMETER	ANALYTICAL METHOD
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00 8270
Leachable pH	ASP00 9045

References:

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-6511

STL Project#: NY1A8770.8
SDG#: 07201
Site Name: NYS DEC ASP Contract #C004154 - Region 8

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-6511
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank A4B1280102 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recoveries for most analytes were above the method defined quality control limits in the Matrix Spike D77610 and the Matrix Spike Duplicate D77610 due to suspected chromatographic matrix and dilution effect. There was no corrective action required.

The relative percent difference between the Matrix Spike D77610 and the Matrix Spike Duplicate D77610 exceed quality control limits for Acenaphthene.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

3-3-04
Date

Date: 08/03/2004
Time: 09:50:15

Dilution Log w/Code Information
For Job A04-6511

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D77610	A4651101	8270	10.00	008
D77610	A4651101MS	8270	10.00	008
D77610	A4651101SD	8270	10.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
D77610	A4651101	-	ASP00	-	-	-	-	ASP00

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77610	SOIL	07/09/2004	07/09/2004	07/14/2004	07/16/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
D77610	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
D77610	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix: (soil/water) SOIL Lab Sample ID: A4651101

Sample wt/vol: 30.32 (g/mL) G Lab File ID: Z61656.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	3800	U
108-95-2	Phenol	3800	U
111-44-4	bis(2-Chloroethyl)ether	3800	U
95-57-8	2-Chlorophenol	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	bis(2-Chloroisopropyl)ether	3800	U
98-86-2	Acetophenone	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-di-N-propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
111-91-1	bis(2-Chloroethoxy)methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
91-20-3	Naphthalene	1800	J
106-47-8	4-Chloroaniline	3800	U
87-68-3	Hexachlorobutadiene	3800	U
105-60-2	Caprolactam	3800	U
59-50-7	4-Chloro-3-methylphenol	3800	U
91-57-6	2-Methylnaphthalene	30000	
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	3800	U
92-52-4	Biphenyl	310	J
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	9300	U
131-11-3	Dimethylphthalate	3800	U
208-96-8	Acenaphthylene	660	J
606-20-2	2,6-Dinitrotoluene	3800	U
99-09-2	3-Nitroaniline	9300	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix: (soil/water) SOIL Lab Sample ID: A4651101

Sample wt/vol: 30.32 (g/mL) G Lab File ID: Z61656.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	2700	J
51-28-5	2,4-Dinitrophenol	9300	U
100-02-7	4-Nitrophenol	9300	U
132-64-9	Dibenzofuran	2000	J
121-14-2	2,4-Dinitrotoluene	3800	U
84-66-2	Diethylphthalate	3800	U
7005-72-3	4-Chlorophenylphenylether	3800	U
86-73-7	Fluorene	4000	
100-01-6	4-Nitroaniline	9300	U
534-52-1	2-Methyl-4,6-dinitrophenol	9300	U
86-30-6	N-Nitrosodiphenylamine	3800	U
101-55-3	4-Bromophenylphenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
1912-24-9	Atrazine	3800	U
87-86-5	Pentachlorophenol	9300	U
85-01-8	Phenanthrene	8000	
120-12-7	Anthracene	730	J
86-74-8	Carbazole	3800	U
84-74-2	di-n-Butylphthalate	3800	U
206-44-0	Fluoranthene	530	J
129-00-0	Pyrene	870	J
85-68-7	Butylbenzylphthalate	3800	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)anthracene	130	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	110	BJ
117-84-0	di-n-Octylphthalate	3800	U
205-99-2	Benzo(b)fluoranthene	3800	U
207-08-9	Benzo(k)fluoranthene	3800	U
50-32-8	Benzo(a)pyrene	3800	U
193-39-5	Indeno(1,2,3-c,d)pyrene	3800	U
53-70-3	Dibenzo(a,h)anthracene	3800	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix: (soil/water) SOIL Lab Sample ID: A4651101

Sample wt/vol: 30.32 (g/mL) G Lab File ID: Z61656.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	3800	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix: (soil/water) SOIL Lab Sample ID: A4651101

Sample wt/vol: 30.32 (g/mL) G Lab File ID: Z61656.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		TRIMETHYLBENZENE ISOMER	7.73	7200	J
2.	535-77-3	1-METHYL-3-(1-METHYLETHYL)BE	9.18	7400	JN
3.	90-12-0	1-METHYLNAPHTHALENE	12.81	17000	JN
4.		ETHYLNAPHTHALENE ISOMER	13.91	9600	J
5.		DIMETHYLNAPHTHALENE ISOMER	14.08	16000	J
6.		DIMETHYLNAPHTHALENE ISOMER	14.28	17000	J
7.		DIMETHYLNAPHTHALENE ISOMER	14.31	16000	J
8.		DIMETHYLNAPHTHALENE ISOMER	14.53	12000	J
9.		TRIMETHYLNAPHTHALENE ISOMER	15.28	8800	J
10.		TRIMETHYLNAPHTHALENE ISOMER	15.53	9200	J
11.		TRIMETHYLNAPHTHALENE ISOMER	15.58	7800	J
12.		TRIMETHYLNAPHTHALENE ISOMER	15.78	15000	J
13.		TRIMETHYLNAPHTHALENE ISOMER	15.91	10000	J
14.		UNKNOWN NAPHTHALENE DER.	16.23	11000	J
15.	529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	16.43	12000	JN
16.		UNKNOWN	16.68	10000	J
17.	529-05-9	7-ETHYL-1,4-DIMETHYL-AZULENE	16.86	13000	JN
18.		UNKNOWN PAH DER.	17.08	10000	J
19.		DIMETHYLBIPHENYL ISOMER	17.16	13000	J
20.		DIMETHYLBIPHENYL ISOMER	17.21	8800	J
21.		DIMETHYLBIPHENYL ISOMER	17.38	8500	J
22.	132-65-0	DIBENZOTHIOPHENE	17.55	9800	JN
23.		UNKNOWN PAH DER.	18.56	9500	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix: (soil/water) SOIL Lab Sample ID: A4651101

Sample wt/vol: 30.32 (g/mL) G Lab File ID: Z61656.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 7.2

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	18.71	8300	J
25.	UNKNOWN PAH DER.	19.25	8300	J
26.	UNKNOWN PAH DER.	19.36	16000	J

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07201

Matrix (soil/water): SOIL Lab Sample ID: A4651101

% Solids: 0.0 Date Samp/Recv: 07/09/2004 07/09/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.16				9045	07/13/2004

Comments:

Soil Samples D77613 - D77620
(SB-1 through SB-5 and SB-8 through SB-10)

ANALYTICAL REPORT

Job#: A04-6406,A04-6484,A04-6570

STL Project#: NY1A8770.8
SDG#: 07207
Site Name: NYS DEC ASP Contract #C004154 - Region 8
Task: RH804

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Greg MacLean

STL Buffalo

Brian J. Fischer
Project Manager

08/11/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE DATA SUMMARY PACKAGE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4640601	D77613	07/07/2004	10:00	07/08/2004	13:30
A4640602	D77614	07/07/2004	16:15	07/08/2004	13:30
A4640603	D77615	07/08/2004	10:00	07/08/2004	13:30
A4648401	D77616	07/08/2004	15:00	07/09/2004	16:05
A4648402	D77617	07/09/2004	10:30	07/09/2004	16:05
A4648403	D77618	07/09/2004	14:30	07/09/2004	16:05
A4657001	D77619	07/12/2004	12:15	07/13/2004	16:00
A4657001MS	D77619 MS	07/12/2004	12:15	07/13/2004	16:00
A4657001SD	D77619 SD	07/12/2004	12:15	07/13/2004	16:00
A4657002	D77620	07/12/2004	15:40	07/13/2004	16:00

METHODS SUMMARY

Job#: A04-6406,A04-6484,A04-6570

STL Project#: NY1A8770.8
SDG#: 07207
Site Name: NYS DEC ASP Contract #C004154 - Region 8

PARAMETER	ANALYTICAL METHOD	
NYSDEC - SOIL-ASP00/8260 VOLATILES	ASP00	8260
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00	8270
NYSDEC - METHOD 8081 - PESTICIDES - S	ASP00	8081
NYSDEC - METHOD 8082 - PCBS- S	ASP00	8082
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S	ASP00	31013
Aluminum - Total	ASP00	6010
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	6010
Barium - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7471
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Cyanide - Total	ASP00	9012
Leachable pH	ASP00	9045

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-6406,A04-6484,A04-6570

STL Project#: NY1A8770.8
SDG#: 07207
Site Name: NYS DEC ASP Contract #C004154 - Region 8

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-6406
Sample Cooler(s) were received at the following temperature(s); 2.6 °C
All samples were received in good condition.
A04-6484
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A04-6570
Sample Cooler(s) were received at the following temperature(s); 2.6 °C
All samples were received in good condition.

GC/MS Volatile Data

All samples were prepared by Method 5035.

The analyte Methylene Chloride was detected in the Method Blank A4B1311402 (VBLK86) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Samples D77617 DL and D77618 were analyzed using medium level techniques due to high concentrations of non-target analytes.

The analytes Bromomethane and Bromoform had a Percent Relative Standard Deviation (%RSD) greater than 20.5% yet less than 40% in the Initial Calibration (A4I0000613-1). No corrective action was taken, up to 2 analytes may exhibit %RSD greater than 20.5% yet less than 40%, according to the protocol and method requirements.

The analytes Bromomethane and 1,1-Dichloroethane had a Percent Difference greater than 25% yet less than 40% in the Continuing Calibration Verification (A4C0002679-1). No corrective action was taken, up to 2 analytes may exhibit percent difference greater than 25% yet less than 40% difference according to the protocol and method requirements.

The spike recovery of the analyte 1,1-Dichloroethene in the Matrix Spike and in the Matrix Spike Duplicate of sample D77617 DL was below quality control limits. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

The recovery of the surrogate p-Bromofluorobenzene in sample D77617 exceeded quality control limits. The sample was reanalyzed at a dilution using the Medium level analysis. Sample D77617 DL exhibited compliant recoveries for all surrogates.

The analytes Acetone and Bromomethane were detected in the Method Blank A4B1311602 (VBLK87) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery of the analyte 1,1-Dichloroethene in the Matrix Spike of sample D77619 was below quality control limits. The Relative Percent Difference (RPD) between the Matrix Spike and the Matrix Spike duplicate of sample D77619 exceeded quality control limits for the analyte 1,1-Dichloroethene. The Matrix Spike Blank recoveries were compliant, so no corrective action is required.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank A4B1280102 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The surrogate recoveries for 2,4,6-Tribromophenol and 2-Fluorophenol were diluted out of sample D77618.

Samples D77619, D77619 MS, D77619 SD, D77620, A4B1307101 and A4B1307102 inadvertantly had twice the required amount of internal standard added. The calculations were adjusted to report the correct values.

GC Extractable Data

For method 8082, the recovery of surrogate Tetrachloro-m-xylene in samples D77613, D77617 and D77618 is outside of established quality control limits. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

All extracts required treatment with Copper prior to 8081 analysis due to the presence of elemental Sulfur.

For method 8081, the recoveries of 4,4'-DDT in sample D77619 Matrix Spike Duplicate exceeded QC limits. The Matrix Spike Blank recoveries are compliant.

For method DOH 310-13 Petroleum Product analysis, sample D77619 contains Fuel Oil #2 (Diesel Fuel). The presence of this petroleum product in the base sample causes the associated spike recoveries and RPDs to fall out of routine quality control limits for the Matrix Spike and Matrix Spike Duplicate. The recovery for the Matrix Spike Blank is compliant with quality control limits.

Metals Data

The recovery of sample D77616 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Lead and below quality control limits for Antimony and Arsenic. The recovery of sample D77619 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Lead(MSD) and below quality control limits for Antimony and Zinc. However, the LCS was acceptable.

The recovery of sample D77616 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Manganese. The sample result is more than four times greater than the spike added. The LCS is acceptable.

The recovery of sample D77613 Post Spike exhibited results below quality control limits for Calcium, Iron, Magnesium, and Manganese. The recovery of sample D77616 Post Spike exhibited results below quality control limits for Iron, Magnesium, and Manganese. The recovery of sample D77619 Post Spike exhibited results below quality control limits for Aluminum, Barium, Calcium, Iron, Magnesium, and Potassium. However, the LCS was acceptable.

The RPD of sample D77616 and the Matrix Duplicate exceeded quality control limits for Arsenic and Lead. The RPD of sample D77619 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Mercury. However, the LCS was acceptable.

The Serial Dilution of sample D77613 exceeded quality control limits for Aluminum, Barium, Cobalt, Nickel, Potassium, and Zinc. The Serial Dilution of sample D77616 exceeded quality control limits for Cobalt, Nickel, Potassium, Vanadium, and Zinc. The Serial Dilution of sample D77619 exceeded quality control limits for Aluminum, Barium, Potassium, and Vanadium. However, the LCS was acceptable.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

8-12-04
Date

Date: 08/11/2004
Time: 16:55:15

Dilution Log w/Code Information
For Project NY1A8770.8, SDG 07207

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D77613	A4640601	Calcium - Total	5.00	
D77615	A4640603	8270	5.00	012
D77616	A4648401	8270	5.00	012
D77616	A4648401	Calcium - Total	5.00	
D77616	A4648401MD	Calcium - Total	5.00	
D77618	A4648403	31013	50.00	008
D77618	A4648403	8260	10.00	004
D77618	A4648403	8270	100.00	008
D77618	A4648403	Calcium - Total	5.00	
D77619	A4657001	Calcium - Total	5.00	
D77619	A4657001MD	Calcium - Total	5.00	
D77620	A4657002	Calcium - Total	5.00	

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-6406**	**SDG/Case**	**07207**
File ID	**Z61642**	**Lab ID**	**A4640601**
Date	**7/15/2004**	**Client ID**	**D77613**
Initial weight (g)	30.9300	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	94.63
Dilution Factor	1.00	GPC	N

1000
1
0.9463

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
11.43	Type 2		10.84	185
12.92	Type 2		10.56	180
14.05	4,8-Dimethyl Tridecane	55030-62-1	15.97	273
14.8	Hexadecane	544-76-3	18.92	323
17.12	,6,10,14-Tetramehtyl Pentadecan	1921-70-6	13.62	233
				0
				0
				0

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
D77613	A4640601	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77614	A4640602	ASP00	ASP00	-	ASP00	-	-	ASP00
D77615	A4640603	ASP00	ASP00	-	ASP00	-	-	ASP00
D77616	A4648401	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77617	A4648402	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77618	A4648403	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77619	A4657001	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77620	A4657002	ASP00	ASP00	-	ASP00	ASP00	-	ASP00

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77613	SOIL	07/07/2004	07/08/2004	-	07/16/2004
D77614	SOIL	07/07/2004	07/08/2004	-	07/16/2004
D77615	SOIL	07/08/2004	07/08/2004	-	07/16/2004
D77616	SOIL	07/08/2004	07/09/2004	-	07/16/2004
D77617	SOIL	07/09/2004	07/09/2004	-	07/16/2004
D77617 DL	SOIL	07/09/2004	07/09/2004	-	07/17/2004
D77618	SOIL	07/09/2004	07/09/2004	-	07/17/2004
D77619	SOIL	07/12/2004	07/13/2004	-	07/16/2004
D77620	SOIL	07/12/2004	07/13/2004	-	07/19/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77613	SOIL	07/07/2004	07/08/2004	07/14/2004	07/15/2004
D77614	SOIL	07/07/2004	07/08/2004	07/14/2004	07/15/2004
D77615	SOIL	07/08/2004	07/08/2004	07/14/2004	07/15/2004
D77616	SOIL	07/08/2004	07/09/2004	07/14/2004	07/16/2004
D77617	SOIL	07/09/2004	07/09/2004	07/14/2004	07/16/2004
D77618	SOIL	07/09/2004	07/09/2004	07/14/2004	07/19/2004
D77619	SOIL	07/12/2004	07/13/2004	07/20/2004	07/22/2004
D77620	SOIL	07/12/2004	07/13/2004	07/20/2004	07/22/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77613	SOIL	07/07/2004	07/08/2004	07/14/2004	07/21/2004
D77614	SOIL	07/07/2004	07/08/2004	07/12/2004	07/13/2004
D77615	SOIL	07/08/2004	07/08/2004	07/12/2004	07/13/2004
D77616	SOIL	07/08/2004	07/09/2004	07/14/2004	07/21/2004
D77617	SOIL	07/09/2004	07/09/2004	07/14/2004	07/21/2004
D77618	SOIL	07/09/2004	07/09/2004	07/14/2004	07/21/2004
D77619	SOIL	07/12/2004	07/13/2004	07/20/2004	07/28/2004
D77620	SOIL	07/12/2004	07/13/2004	07/20/2004	07/28/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
D77613	SOIL	T TALME	07/08/2004	07/09 – 20/2004	07/02 – 22/2004
D77616	SOIL	T TALME	07/09/2004	07/12 – 20/2004	07/12 – 21/2004
D77617	SOIL	T TALME	07/09/2004	07/12 – 20/2004	07/12 – 21/2004
D77618	SOIL	T TALME	07/09/2004	07/12 – 20/2004	07/12 – 21/2004
D77619	SOIL	T TALME	07/13/2004	07/16 – 20/2004	07/16 – 22/2004
D77620	SOIL	T TALME	07/13/2004	07/16 – 20/2004	07/16 – 22/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
D77613	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77614	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77615	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77616	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77617	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77618	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77619	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
D77620	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
D77613	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77614	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77615	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77616	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77617	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77618	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77619	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77620	SOIL	ASP00	ASP00	AS REQUIRED	AS REQUIRED

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 6.16 (g/mL) G Lab File ID: F7469.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 6.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	U
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	9	B
67-64-1	Acetone	3	J
75-15-0	Carbon disulfide	9	U
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone	9	U
591-78-6	2-Hexanone	9	U
127-18-4	Tetrachloroethene	9	U
108-88-3	Toluene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
100-42-5	Styrene	9	U
1330-20-7	Xylene, Total	9	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U

NYS DEC
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Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 6.16 (g/mL) G Lab File ID: F7469.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 6.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	9	U
75-71-8	Dichlorodifluoromethane	9	U
75-69-4	Trichlorofluoromethane	9	U
79-20-9	Methyl Acetate	9	U
1634-04-4	Methyl tert-butyl ether	9	U
110-82-7	Cyclohexane	9	U
108-87-2	Methylcyclohexane	9	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	9	U
98-82-8	Isopropylbenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

NYS DEC
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NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 6.16 (g/mL) G Lab File ID: F7469.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 6.9 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ALKYLCYCLOHEXANE DERIVATIVE	7.89	22	J
2.	SATURATED HYDROCARBON	8.07	22	J
3.	SATURATED HYDROCARBON	8.23	28	J
4.	UNKNOWN	8.70	21	J
5.	SATURATED HYDROCARBON	9.30	22	J
6.	UNKNOWN	9.53	18	J
7.	UNKNOWN	10.38	30	J
8.	SATURATED HYDROCARBON	11.26	29	J
9.	SATURATED HYDROCARBON	11.73	31	J
10.	UNKNOWN	11.83	26	J

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Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 6.32 (g/mL) G Lab File ID: F7470.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 7.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	8	U
74-83-9	Bromomethane	8	U
75-01-4	Vinyl chloride	8	U
75-00-3	Chloroethane	8	U
75-09-2	Methylene chloride	9	B
67-64-1	Acetone	8	U
75-15-0	Carbon disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	8	U
591-78-6	2-Hexanone	8	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Xylene, Total	8	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	8	U
156-59-2	cis-1,2-Dichloroethene	8	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 6.32 (g/mL) G Lab File ID: F7470.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 7.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	8	U
75-71-8	Dichlorodifluoromethane	8	U
75-69-4	Trichlorofluoromethane	8	U
79-20-9	Methyl Acetate	8	U
1634-04-4	Methyl tert-butyl ether	8	U
110-82-7	Cyclohexane	8	U
108-87-2	Methylcyclohexane	8	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	8	U
98-82-8	Isopropylbenzene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 6.32 (g/mL) G Lab File ID: F7470.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: not dec. 7.9 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 75-45-6	CHLORODIFLUOROMETHANE	1.43	10	JN
2. 110-54-3	HEXANE	3.17	9	BJN

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Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 5.30 (g/mL) G Lab File ID: F7471.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: not dec. 19.0 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	11	BJ
67-64-1	Acetone	2	J
75-15-0	Carbon disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
108-88-3	Toluene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene, Total	12	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	12	U
156-59-2	cis-1,2-Dichloroethene	12	U

NYS DEC
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Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 5.30 (g/mL) G Lab File ID: F7471.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: not dec. 19.0 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-69-4	Trichlorofluoromethane	12	U
79-20-9	Methyl Acetate	12	U
1634-04-4	Methyl tert-butyl ether	12	U
110-82-7	Cyclohexane	12	U
108-87-2	Methylcyclohexane	12	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	12	U
98-82-8	Isopropylbenzene	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U

NYS DEC
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NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 5.30 (g/mL) G Lab File ID: F7471.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: not dec. 19.0 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 75-45-6	CHLORODIFLUOROMETHANE	1.43	9	JN
2. 110-54-3	HEXANE	3.17	12	BJN

NYS DEC
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Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 5.77 (g/mL) G Lab File ID: F7476.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: not dec. 12.7 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	12	B
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U

NYS DEC
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Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 5.77 (g/mL) G Lab File ID: F7476.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: not dec. 12.7 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U
79-20-9	Methyl Acetate	10	U
1634-04-4	Methyl tert-butyl ether	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 5.77 (g/mL) G Lab File ID: F7476.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: not dec. 12.7 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 75-45-6	CHLORODIFLUOROMETHANE	1.43	9	JN
2. 110-54-3	HEXANE	3.17	10	BJN

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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 5.55 (g/mL) G Lab File ID: F7477.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	8	J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	5	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	5	J
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	120	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U

NYS DEC
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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 5.55 (g/mL) G Lab File ID: F7477.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U
79-20-9	Methyl Acetate	10	U
1634-04-4	Methyl tert-butyl ether	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	300	E
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	44	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 5.55 (g/mL) G Lab File ID: F7477.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	7.04	260	J
2.	ALKYLBENZENE ISOMER	9.20	270	J
3.	ALKYLBENZENE ISOMER	9.38	640	J
4.	UNKNOWN	10.00	270	J
5.	UNKNOWN	10.08	250	J
6.	ALKYL SUBSTITUTED COMPOUND	10.36	250	J
7.	UNKNOWN	10.54	250	J
8.	UNKNOWN	11.19	440	J
9.	UNKNOWN	11.32	250	J
10.	METHYLNAPHTHALENE ISOMER	12.60	280	J

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Client No.

D77617 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402DL

Sample wt/vol: 4.20 (g/mL) G Lab File ID: R8861.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Heated Purge: N Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	U
75-01-4	Vinyl chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	Methylene chloride	1400	U
67-64-1	Acetone	1400	U
75-15-0	Carbon disulfide	1400	U
75-35-4	1,1-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon tetrachloride	1400	U
75-27-4	Bromodichloromethane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
79-01-6	Trichloroethene	1400	U
124-48-1	Dibromochloromethane	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
71-43-2	Benzene	1400	U
10061-02-6	trans-1,3-Dichloropropene	1400	U
75-25-2	Bromoform	1400	U
108-10-1	4-Methyl-2-pentanone	1400	U
591-78-6	2-Hexanone	1400	U
127-18-4	Tetrachloroethene	1400	U
108-88-3	Toluene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-90-7	Chlorobenzene	1400	U
100-41-4	Ethylbenzene	1400	U
100-42-5	Styrene	1400	U
1330-20-7	Xylene, Total	1400	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U

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ANALYSIS DATA SHEET

Client No.

D77617 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402DL

Sample wt/vol: 4.20 (g/mL) G Lab File ID: R8861.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Heated Purge: N Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	1400	U
75-71-8	Dichlorodifluoromethane	1400	U
75-69-4	Trichlorofluoromethane	1400	U
79-20-9	Methyl Acetate	1400	U
1634-04-4	Methyl tert-butyl ether	1400	U
110-82-7	Cyclohexane	1400	U
108-87-2	Methylcyclohexane	140	DJ
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	1400	U
98-82-8	Isopropylbenzene	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
106-46-7	1,4-Dichlorobenzene	1400	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	1400	U
120-82-1	1,2,4-Trichlorobenzene	1400	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77617 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402DL

Sample wt/vol: 4.20 (g/mL) G Lab File ID: R8861.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.9 Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	7.31	4000	J
2.	ALKYLBENZENE ISOMER	8.50	2800	J
3.	TETRAMETHYLBENZENE ISOMER	8.98	3000	J
4.	UNKNOWN	9.38	3200	J
5.	SATURATED HYDROCARBON	9.57	2500	J
6.	UNKNOWN	9.85	3300	J
7.	SATURATED HYDROCARBON	9.98	3700	J
8.	AROMATIC DERIVATIVE	10.21	2100	J
9.	METHYLNAPHTHALENE ISOMER	10.48	2300	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 4.66 (g/mL) G Lab File ID: R8862.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.8 Heated Purge: N Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12000	U
74-83-9	Bromomethane	12000	U
75-01-4	Vinyl chloride	12000	U
75-00-3	Chloroethane	12000	U
75-09-2	Methylene chloride	12000	U
67-64-1	Acetone	12000	U
75-15-0	Carbon disulfide	12000	U
75-35-4	1,1-Dichloroethene	12000	U
75-34-3	1,1-Dichloroethane	12000	U
67-66-3	Chloroform	12000	U
107-06-2	1,2-Dichloroethane	12000	U
78-93-3	2-Butanone	12000	U
71-55-6	1,1,1-Trichloroethane	12000	U
56-23-5	Carbon tetrachloride	12000	U
75-27-4	Bromodichloromethane	12000	U
78-87-5	1,2-Dichloropropane	12000	U
10061-01-5	cis-1,3-Dichloropropene	12000	U
79-01-6	Trichloroethene	12000	U
124-48-1	Dibromochloromethane	12000	U
79-00-5	1,1,2-Trichloroethane	12000	U
71-43-2	Benzene	12000	U
10061-02-6	trans-1,3-Dichloropropene	12000	U
75-25-2	Bromoform	12000	U
108-10-1	4-Methyl-2-pentanone	12000	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	12000	U
108-88-3	Toluene	12000	U
79-34-5	1,1,2,2-Tetrachloroethane	12000	U
108-90-7	Chlorobenzene	12000	U
100-41-4	Ethylbenzene	12000	U
100-42-5	Styrene	12000	U
1330-20-7	Xylene, Total	12000	U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	12000	U
156-59-2	cis-1,2-Dichloroethene	12000	U

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ANALYSIS DATA SHEET

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 4.66 (g/mL) G Lab File ID: R8862.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.8 Heated Purge: N Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	12000	U
75-71-8	Dichlorodifluoromethane	12000	U
75-69-4	Trichlorofluoromethane	12000	U
79-20-9	Methyl Acetate	12000	U
1634-04-4	Methyl tert-butyl ether	12000	U
110-82-7	Cyclohexane	12000	U
108-87-2	Methylcyclohexane	12000	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	12000	U
98-82-8	Isopropylbenzene	12000	U
541-73-1	1,3-Dichlorobenzene	12000	U
106-46-7	1,4-Dichlorobenzene	12000	U
95-50-1	1,2-Dichlorobenzene	12000	U
96-12-8	1,2-Dibromo-3-chloropropane	12000	U
120-82-1	1,2,4-Trichlorobenzene	12000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 4.66 (g/mL) G Lab File ID: R8862.RR

Level: (low/med) MED Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: not dec. 11.8 Date Analyzed: 07/17/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 9 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	8.50	30000	J
2.	UNKNOWN	9.38	39000	J
3.	SATURATED HYDROCARBON	9.57	42000	J
4.	CYCLOHEXANE DERIVATIVE	9.85	45000	J
5.	SATURATED HYDROCARBON	9.98	60000	J
6.	UNKNOWN	10.21	34000	J
7.	METHYLNAPHTHALENE ISOMER	10.48	43000	J
8.	SATURATED HYDROCARBON	10.52	41000	J
9.	METHYLNAPHTHALENE ISOMER	10.58	34000	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 6.43 (g/mL) G Lab File ID: F7486.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 15.1 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	9	U
74-83-9	Bromomethane	9	U
75-01-4	Vinyl chloride	9	U
75-00-3	Chloroethane	9	U
75-09-2	Methylene chloride	14	B
67-64-1	Acetone	3	J
75-15-0	Carbon disulfide	9	U
75-35-4	1,1-Dichloroethene	9	U
75-34-3	1,1-Dichloroethane	9	U
67-66-3	Chloroform	9	U
107-06-2	1,2-Dichloroethane	9	U
78-93-3	2-Butanone	9	U
71-55-6	1,1,1-Trichloroethane	9	U
56-23-5	Carbon tetrachloride	9	U
75-27-4	Bromodichloromethane	9	U
78-87-5	1,2-Dichloropropane	9	U
10061-01-5	cis-1,3-Dichloropropene	9	U
79-01-6	Trichloroethene	9	U
124-48-1	Dibromochloromethane	9	U
79-00-5	1,1,2-Trichloroethane	9	U
71-43-2	Benzene	9	U
10061-02-6	trans-1,3-Dichloropropene	9	U
75-25-2	Bromoform	9	U
108-10-1	4-Methyl-2-pentanone	9	U
591-78-6	2-Hexanone	9	U
127-18-4	Tetrachloroethene	3	J
108-88-3	Toluene	9	U
79-34-5	1,1,2,2-Tetrachloroethane	9	U
108-90-7	Chlorobenzene	9	U
100-41-4	Ethylbenzene	9	U
100-42-5	Styrene	9	U
1330-20-7	Xylene, Total	3	J
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	9	U
156-59-2	cis-1,2-Dichloroethene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 6.43 (g/mL) G Lab File ID: F7486.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 15.1 Heated Purge: Y Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	9	U
75-71-8	Dichlorodifluoromethane	9	U
75-69-4	Trichlorofluoromethane	9	U
79-20-9	Methyl Acetate	9	U
1634-04-4	Methyl tert-butyl ether	9	U
110-82-7	Cyclohexane	9	U
108-87-2	Methylcyclohexane	9	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	9	U
98-82-8	Isopropylbenzene	9	U
541-73-1	1,3-Dichlorobenzene	9	U
106-46-7	1,4-Dichlorobenzene	9	U
95-50-1	1,2-Dichlorobenzene	9	U
96-12-8	1,2-Dibromo-3-chloropropane	9	U
120-82-1	1,2,4-Trichlorobenzene	9	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 6.43 (g/mL) G Lab File ID: F7486.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 15.1 Date Analyzed: 07/16/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	9.38	16	J
2.	UNKNOWN	10.01	10	J
3.	ALKYLBENZENE DERIVATIVE	10.08	12	J
4.	UNKNOWN	11.18	18	J
5.	UNKNOWN	11.49	11	J
6. 91-20-3	NAPHTHALENE	11.69	21	JN
7.	UNKNOWN	11.99	14	J
8.	AROMATIC DERIVATIVE	12.13	15	J
9.	METHYLNAPHTHALENE ISOMER	12.60	75	J
10.	METHYLNAPHTHALENE ISOMER	12.77	42	J

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ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 6.53 (g/mL) G Lab File ID: F7499.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 10.6 Heated Purge: Y Date Analyzed: 07/19/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	8	U
74-83-9	Bromomethane	1	BJ
75-01-4	Vinyl chloride	8	U
75-00-3	Chloroethane	8	U
75-09-2	Methylene chloride	15	
67-64-1	Acetone	5	BJ
75-15-0	Carbon disulfide	1	J
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon tetrachloride	8	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	8	U
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	1	J
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	8	U
591-78-6	2-Hexanone	8	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	3	J
100-42-5	Styrene	8	U
1330-20-7	Xylene, Total	10	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	8	U
156-59-2	cis-1,2-Dichloroethene	1	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 6.53 (g/mL) G Lab File ID: F7499.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 10.6 Heated Purge: Y Date Analyzed: 07/19/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	8	U
75-71-8	Dichlorodifluoromethane	8	U
75-69-4	Trichlorofluoromethane	8	U
79-20-9	Methyl Acetate	8	U
1634-04-4	Methyl tert-butyl ether	8	U
110-82-7	Cyclohexane	2	J
108-87-2	Methylcyclohexane	8	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	8	U
98-82-8	Isopropylbenzene	8	
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 6.53 (g/mL) G Lab File ID: F7499.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: not dec. 10.6 Date Analyzed: 07/19/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	10.53	220	J
2.	TETRAMETHYLBENZENE ISOMER	10.83	210	J
3.	UNKNOWN	11.19	450	J
4.	UNKNOWN HYDROCARBON	11.26	250	J
5.	UNKNOWN	11.32	230	J
6.	UNKNOWN	11.62	220	J
7.	UNKNOWN HYDROCARBON	11.73	400	J
8.	UNKNOWN	11.84	260	J
9.	UNKNOWN	11.98	290	J
10.	UNKNOWN	12.12	250	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61642.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 5.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	340	U
108-95-2	Phenol	340	U
111-44-4	bis(2-Chloroethyl)ether	340	U
95-57-8	2-Chlorophenol	340	U
95-48-7	2-Methylphenol	340	U
108-60-1	bis(2-Chloroisopropyl)ether	340	U
98-86-2	Acetophenone	340	U
106-44-5	4-Methylphenol	340	U
621-64-7	N-Nitroso-di-N-propylamine	340	U
67-72-1	Hexachloroethane	340	U
98-95-3	Nitrobenzene	340	U
78-59-1	Isophorone	340	U
88-75-5	2-Nitrophenol	340	U
105-67-9	2,4-Dimethylphenol	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
120-83-2	2,4-Dichlorophenol	340	U
91-20-3	Naphthalene	340	U
106-47-8	4-Chloroaniline	340	U
87-68-3	Hexachlorobutadiene	340	U
105-60-2	Caprolactam	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-57-6	2-Methylnaphthalene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
88-06-2	2,4,6-Trichlorophenol	340	U
95-95-4	2,4,5-Trichlorophenol	340	U
92-52-4	Biphenyl	340	U
91-58-7	2-Chloronaphthalene	340	U
88-74-4	2-Nitroaniline	820	U
131-11-3	Dimethylphthalate	340	U
208-96-8	Acenaphthylene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
99-09-2	3-Nitroaniline	820	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61642.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 5.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	340	U
51-28-5	2,4-Dinitrophenol	820	U
100-02-7	4-Nitrophenol	820	U
132-64-9	Dibenzofuran	340	U
121-14-2	2,4-Dinitrotoluene	340	U
84-66-2	Diethylphthalate	340	U
7005-72-3	4-Chlorophenylphenylether	340	U
86-73-7	Fluorene	340	U
100-01-6	4-Nitroaniline	820	U
534-52-1	2-Methyl-4,6-dinitrophenol	820	U
86-30-6	N-Nitrosodiphenylamine	340	U
101-55-3	4-Bromophenylphenylether	340	U
118-74-1	Hexachlorobenzene	340	U
1912-24-9	Atrazine	340	U
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	34	J
120-12-7	Anthracene	15	J
86-74-8	Carbazole	340	U
84-74-2	di-n-Butylphthalate	340	U
206-44-0	Fluoranthene	82	J
129-00-0	Pyrene	72	J
85-68-7	Butylbenzylphthalate	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U
56-55-3	Benzo(a)anthracene	48	J
218-01-9	Chrysene	46	J
117-81-7	bis(2-Ethylhexyl)phthalate	64	BJ
117-84-0	di-n-Octylphthalate	340	U
205-99-2	Benzo(b)fluoranthene	45	J
207-08-9	Benzo(k)fluoranthene	36	J
50-32-8	Benzo(a)pyrene	50	J
193-39-5	Indeno(1,2,3-c,d)pyrene	32	J
53-70-3	Dibenzo(a,h)anthracene	12	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61642.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 5.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	37	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61642.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 5.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	54676-39-0	2-BUTYL-1,1,3-TRIMETHYL-CYCL	11.61	95	JN
2.		UNKNOWN	12.16	190	J
3.		UNKNOWN	12.43	110	J
4.		UNKNOWN ALCOHOL	13.03	240	J
5.		UNKNOWN	13.13	120	J
6.		UNKNOWN	13.28	110	J
7.		UNKNOWN	13.55	110	J
8.		UNKNOWN	13.86	87	J
9.		UNKNOWN HYDROCARBON	13.91	190	J
10.		UNKNOWN HYDROCARBON	14.00	120	J
11.		UNKNOWN HYDROCARBON	14.43	120	J
12.		UNKNOWN HYDROCARBON	14.61	88	J
13.		UNKNOWN	14.93	130	J
14.		UNKNOWN HYDROCARBON	15.03	220	J
15.		UNKNOWN HYDROCARBON	15.23	240	J
16.		UNKNOWN HYDROCARBON	15.30	120	J
17.		UNKNOWN HYDROCARBON	15.36	180	J
18.		UNKNOWN HYDROCARBON	15.91	120	J
19.		UNKNOWN	15.98	110	J
20.		UNKNOWN	16.15	250	J
21.		UNKNOWN	17.23	95	J
22.		UNKNOWN HYDROCARBON	17.40	180	J
23.		UNKNOWN HYDROCARBON	17.66	230	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61642.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 5.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 24 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN HYDROCARBON	18.41	170	J

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ANALYSIS DATA SHEET

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 30.75 (g/mL) G Lab File ID: Z61643.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 7.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	350	U
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	bis(2-Chloroisopropyl)ether	350	U
98-86-2	Acetophenone	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-N-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
105-60-2	Caprolactam	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	350	U
92-52-4	Biphenyl	350	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	840	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U
99-09-2	3-Nitroaniline	840	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 30.75 (g/mL) G Lab File ID: Z61643.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 7.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	350	U
51-28-5	2,4-Dinitrophenol	840	U
100-02-7	4-Nitrophenol	840	U
132-64-9	Dibenzofuran	350	U
121-14-2	2,4-Dinitrotoluene	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenylphenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	840	U
534-52-1	2-Methyl-4,6-dinitrophenol	840	U
86-30-6	N-Nitrosodiphenylamine	350	U
101-55-3	4-Bromophenylphenylether	350	U
118-74-1	Hexachlorobenzene	350	U
1912-24-9	Atrazine	350	U
87-86-5	Pentachlorophenol	840	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
86-74-8	Carbazole	350	U
84-74-2	di-n-Butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	350	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	72	BJ
117-84-0	di-n-Octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-c,d)pyrene	350	U
53-70-3	Dibenzo(a,h)anthracene	350	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 30.75 (g/mL) G Lab File ID: Z61643.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 7.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	350	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 30.75 (g/mL) G Lab File ID: Z61643.RR

Level: (low/med) LOW Date Samp/Recv: 07/07/2004 07/08/2004

% Moisture: 7.4 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

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Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z61644.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: 23.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 10.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	2200	U
108-95-2	Phenol	2200	U
111-44-4	bis(2-Chloroethyl)ether	2200	U
95-57-8	2-Chlorophenol	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	bis(2-Chloroisopropyl)ether	2200	U
98-86-2	Acetophenone	2200	U
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-di-N-propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
111-91-1	bis(2-Chloroethoxy)methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
91-20-3	Naphthalene	70	J
106-47-8	4-Chloroaniline	2200	U
87-68-3	Hexachlorobutadiene	2200	U
105-60-2	Caprolactam	2200	U
59-50-7	4-Chloro-3-methylphenol	2200	U
91-57-6	2-Methylnaphthalene	2200	U
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	2200	U
92-52-4	Biphenyl	2200	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	5200	U
131-11-3	Dimethylphthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U
99-09-2	3-Nitroaniline	5200	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z61644.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: 23.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 10.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	160	J
51-28-5	2,4-Dinitrophenol	5200	U
100-02-7	4-Nitrophenol	5200	U
132-64-9	Dibenzofuran	110	J
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
7005-72-3	4-Chlorophenylphenylether	2200	U
86-73-7	Fluorene	160	J
100-01-6	4-Nitroaniline	5200	U
534-52-1	2-Methyl-4,6-dinitrophenol	5200	U
86-30-6	N-Nitrosodiphenylamine	2200	U
101-55-3	4-Bromophenylphenylether	2200	U
118-74-1	Hexachlorobenzene	2200	U
1912-24-9	Atrazine	2200	U
87-86-5	Pentachlorophenol	5200	U
85-01-8	Phenanthrene	2300	
120-12-7	Anthracene	440	J
86-74-8	Carbazole	190	J
84-74-2	di-n-Butylphthalate	2200	U
206-44-0	Fluoranthene	2800	
129-00-0	Pyrene	2800	
85-68-7	Butylbenzylphthalate	2200	U
91-94-1	3,3'-Dichlorobenzidine	2200	U
56-55-3	Benzo(a)anthracene	1300	J
218-01-9	Chrysene	1200	J
117-81-7	bis(2-Ethylhexyl)phthalate	100	BJ
117-84-0	di-n-Octylphthalate	2200	U
205-99-2	Benzo(b)fluoranthene	1000	J
207-08-9	Benzo(k)fluoranthene	790	J
50-32-8	Benzo(a)pyrene	1100	J
193-39-5	Indeno(1,2,3-c,d)pyrene	690	J
53-70-3	Dibenzo(a,h)anthracene	290	J

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ANALYSIS DATA SHEET

Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z61644.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: 23.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 10.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	830	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z61644.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/08/2004

% Moisture: 23.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 10.7

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN PAH DER.	24.16	730	J

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ANALYSIS DATA SHEET

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.26 (g/mL) G Lab File ID: Z61653.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: 12.7 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	1900	U
108-95-2	Phenol	1900	U
111-44-4	bis(2-Chloroethyl)ether	1900	U
95-57-8	2-Chlorophenol	1900	U
95-48-7	2-Methylphenol	1900	U
108-60-1	bis(2-Chloroisopropyl)ether	1900	U
98-86-2	Acetophenone	1900	U
106-44-5	4-Methylphenol	1900	U
621-64-7	N-Nitroso-di-N-propylamine	1900	U
67-72-1	Hexachloroethane	1900	U
98-95-3	Nitrobenzene	1900	U
78-59-1	Isophorone	1900	U
88-75-5	2-Nitrophenol	1900	U
105-67-9	2,4-Dimethylphenol	1900	U
111-91-1	bis(2-Chloroethoxy)methane	1900	U
120-83-2	2,4-Dichlorophenol	1900	U
91-20-3	Naphthalene	1900	U
106-47-8	4-Chloroaniline	1900	U
87-68-3	Hexachlorobutadiene	1900	U
105-60-2	Caprolactam	1900	U
59-50-7	4-Chloro-3-methylphenol	1900	U
91-57-6	2-Methylnaphthalene	1900	U
77-47-4	Hexachlorocyclopentadiene	1900	U
88-06-2	2,4,6-Trichlorophenol	1900	U
95-95-4	2,4,5-Trichlorophenol	1900	U
92-52-4	Biphenyl	1900	U
91-58-7	2-Chloronaphthalene	1900	U
88-74-4	2-Nitroaniline	4500	U
131-11-3	Dimethylphthalate	1900	U
208-96-8	Acenaphthylene	1900	U
606-20-2	2,6-Dinitrotoluene	1900	U
99-09-2	3-Nitroaniline	4500	U

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ANALYSIS DATA SHEET

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.26 (g/mL) G Lab File ID: Z61653.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: 12.7 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1900	U
51-28-5	2,4-Dinitrophenol	4500	U
100-02-7	4-Nitrophenol	4500	U
132-64-9	Dibenzofuran	1900	U
121-14-2	2,4-Dinitrotoluene	1900	U
84-66-2	Diethylphthalate	1900	U
7005-72-3	4-Chlorophenylphenylether	1900	U
86-73-7	Fluorene	1900	U
100-01-6	4-Nitroaniline	4500	U
534-52-1	2-Methyl-4,6-dinitrophenol	4500	U
86-30-6	N-Nitrosodiphenylamine	1900	U
101-55-3	4-Bromophenylphenylether	1900	U
118-74-1	Hexachlorobenzene	1900	U
1912-24-9	Atrazine	1900	U
87-86-5	Pentachlorophenol	4500	U
85-01-8	Phenanthrene	1900	U
120-12-7	Anthracene	1900	U
86-74-8	Carbazole	1900	U
84-74-2	di-n-Butylphthalate	1900	U
206-44-0	Fluoranthene	1900	U
129-00-0	Pyrene	1900	U
85-68-7	Butylbenzylphthalate	1900	U
91-94-1	3,3'-Dichlorobenzidine	1900	U
56-55-3	Benzo(a)anthracene	1900	U
218-01-9	Chrysene	1900	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	U
117-84-0	di-n-Octylphthalate	1900	U
205-99-2	Benzo(b)fluoranthene	1900	U
207-08-9	Benzo(k)fluoranthene	1900	U
50-32-8	Benzo(a)pyrene	1900	U
193-39-5	Indeno(1,2,3-c,d)pyrene	1900	U
53-70-3	Dibenzo(a,h)anthracene	1900	U

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Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.26 (g/mL) G Lab File ID: Z61653.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: 12.7 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	1900	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.26 (g/mL) G Lab File ID: Z61653.RR

Level: (low/med) LOW Date Samp/Recv: 07/08/2004 07/09/2004

% Moisture: 12.7 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 8.4

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.55 (g/mL) G Lab File ID: Z61654.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	370	U
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	bis(2-Chloroisopropyl)ether	370	U
98-86-2	Acetophenone	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-N-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
91-20-3	Naphthalene	140	J
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
105-60-2	Caprolactam	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	740	
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	370	U
92-52-4	Biphenyl	370	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	890	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	26	J
606-20-2	2,6-Dinitrotoluene	370	U
99-09-2	3-Nitroaniline	890	U

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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.55 (g/mL) G Lab File ID: Z61654.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	110	J
51-28-5	2,4-Dinitrophenol	890	U
100-02-7	4-Nitrophenol	890	U
132-64-9	Dibenzofuran	62	J
121-14-2	2,4-Dinitrotoluene	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenylphenylether	370	U
86-73-7	Fluorene	140	J
100-01-6	4-Nitroaniline	890	U
534-52-1	2-Methyl-4,6-dinitrophenol	890	U
86-30-6	N-Nitrosodiphenylamine	370	U
101-55-3	4-Bromophenylphenylether	370	U
118-74-1	Hexachlorobenzene	370	U
1912-24-9	Atrazine	370	U
87-86-5	Pentachlorophenol	890	U
85-01-8	Phenanthrene	290	J
120-12-7	Anthracene	30	J
86-74-8	Carbazole	370	U
84-74-2	di-n-Butylphthalate	370	U
206-44-0	Fluoranthene	23	J
129-00-0	Pyrene	29	J
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	62	BJ
117-84-0	di-n-Octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-c,d)pyrene	370	U
53-70-3	Dibenzo(a,h)anthracene	370	U

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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.55 (g/mL) G Lab File ID: Z61654.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	370	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.55 (g/mL) G Lab File ID: Z61654.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 26 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		TRIMETHYLBENZENE ISOMER	7.73	330	J
2.		UNKNOWN	10.40	350	J
3.		UNKNOWN	11.68	290	J
4.		UNKNOWN	11.88	360	J
5.		PENTAMETHYLBENZENE ISOMER	12.33	330	J
6.	90-12-0	1-METHYLNAPHTHALENE	12.80	750	JN
7.		UNKNOWN CYCLOHEXANE DER.	13.15	370	J
8.		ETHYLNAPHTHALENE ISOMER	13.91	430	J
9.		DIMETHYLNAPHTHALENE ISOMER	14.06	760	J
10.		DIMETHYLNAPHTHALENE ISOMER	14.26	970	J
11.		DIMETHYLNAPHTHALENE ISOMER	14.51	740	J
12.		UNKNOWN ACID	14.90	260	J
13.	2027-17-0	2-(1-METHYLETHYL)NAPHTHALENE	15.26	360	JN
14.		TRIMETHYLNAPHTHALENE ISOMER	15.51	480	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.56	460	J
16.		TRIMETHYLNAPHTHALENE ISOMER	15.73	850	J
17.		TRIMETHYLNAPHTHALENE ISOMER	15.90	540	J
18.		METHYL-1,1'BIPHENYL ISOMER	16.23	700	J
19.		UNKNOWN	16.43	280	J
20.		UNKNOWN	16.68	530	J
21.	529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	16.85	290	JN
22.		DIMETHYLBIPHENYL ISOMER	17.16	410	J
23.		UNKNOWN	17.28	410	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.55 (g/mL) G Lab File ID: Z61654.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.9 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/16/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.4

Number TICs found: 26

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN	17.55	270	J
25. 30995-64-3	METHYLDIBENZOTHIOPHENE	18.25	270	JN
26.	UNKNOWN HYDROCARBON	18.30	330	J

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Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Z61668.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.8 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/19/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	36000	U
108-95-2	Phenol	36000	U
111-44-4	bis(2-Chloroethyl)ether	36000	U
95-57-8	2-Chlorophenol	36000	U
95-48-7	2-Methylphenol	36000	U
108-60-1	bis(2-Chloroisopropyl)ether	36000	U
98-86-2	Acetophenone	36000	U
106-44-5	4-Methylphenol	36000	U
621-64-7	N-Nitroso-di-N-propylamine	36000	U
67-72-1	Hexachloroethane	36000	U
98-95-3	Nitrobenzene	36000	U
78-59-1	Isophorone	36000	U
88-75-5	2-Nitrophenol	36000	U
105-67-9	2,4-Dimethylphenol	36000	U
111-91-1	bis(2-Chloroethoxy)methane	36000	U
120-83-2	2,4-Dichlorophenol	36000	U
91-20-3	Naphthalene	36000	U
106-47-8	4-Chloroaniline	36000	U
87-68-3	Hexachlorobutadiene	36000	U
105-60-2	Caprolactam	36000	U
59-50-7	4-Chloro-3-methylphenol	36000	U
91-57-6	2-Methylnaphthalene	96000	
77-47-4	Hexachlorocyclopentadiene	36000	U
88-06-2	2,4,6-Trichlorophenol	36000	U
95-95-4	2,4,5-Trichlorophenol	36000	U
92-52-4	Biphenyl	36000	U
91-58-7	2-Chloronaphthalene	36000	U
88-74-4	2-Nitroaniline	88000	U
131-11-3	Dimethylphthalate	36000	U
208-96-8	Acenaphthylene	1700	J
606-20-2	2,6-Dinitrotoluene	36000	U
99-09-2	3-Nitroaniline	88000	U

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Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Z61668.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.8 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/19/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	6900	J
51-28-5	2,4-Dinitrophenol	88000	U
100-02-7	4-Nitrophenol	88000	U
132-64-9	Dibenzofuran	5400	J
121-14-2	2,4-Dinitrotoluene	36000	U
84-66-2	Diethylphthalate	36000	U
7005-72-3	4-Chlorophenylphenylether	36000	U
86-73-7	Fluorene	10000	J
100-01-6	4-Nitroaniline	88000	U
534-52-1	2-Methyl-4,6-dinitrophenol	88000	U
86-30-6	N-Nitrosodiphenylamine	36000	U
101-55-3	4-Bromophenylphenylether	36000	U
118-74-1	Hexachlorobenzene	36000	U
1912-24-9	Atrazine	36000	U
87-86-5	Pentachlorophenol	88000	U
85-01-8	Phenanthrene	24000	J
120-12-7	Anthracene	2200	J
86-74-8	Carbazole	36000	U
84-74-2	di-n-Butylphthalate	36000	U
206-44-0	Fluoranthene	36000	U
129-00-0	Pyrene	1300	J
85-68-7	Butylbenzylphthalate	36000	U
91-94-1	3,3'-Dichlorobenzidine	36000	U
56-55-3	Benzo(a)anthracene	36000	U
218-01-9	Chrysene	36000	U
117-81-7	bis(2-Ethylhexyl)phthalate	36000	U
117-84-0	di-n-Octylphthalate	36000	U
205-99-2	Benzo(b)fluoranthene	36000	U
207-08-9	Benzo(k)fluoranthene	36000	U
50-32-8	Benzo(a)pyrene	36000	U
193-39-5	Indeno(1,2,3-c,d)pyrene	36000	U
53-70-3	Dibenzo(a,h)anthracene	36000	U

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Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Z61668.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.8 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/19/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	36000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Z61668.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.8 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/19/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 27 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		METHYLMETHYLETHYLBENZENE ISO	10.38	24000	J
2.		UNKNOWN CYCLOHEXANE DER.	11.66	26000	J
3.		UNKNOWN	11.85	27000	J
4.		UNKNOWN HYDROCARBON	12.11	60000	J
5.	700-12-9	PENTAMETHYLBENZENE	12.30	23000	JN
6.	90-12-0	1-METHYLNAPHTHALENE	12.76	69000	JN
7.		UNKNOWN	12.86	21000	J
8.		UNKNOWN	13.11	35000	J
9.		ETHYLNAPHTHALENE ISOMER	13.86	40000	J
10.		DIMETHYLNAPHTHALENE ISOMER	14.01	89000	J
11.		DIMETHYLNAPHTHALENE ISOMER	14.21	83000	J
12.		DIMETHYLNAPHTHALENE ISOMER	14.26	34000	J
13.		DIMETHYLNAPHTHALENE ISOMER	14.46	63000	J
14.		UNKNOWN	14.86	23000	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.23	43000	J
16.		TRIMETHYLNAPHTHALENE ISOMER	15.48	51000	J
17.		TRIMETHYLNAPHTHALENE ISOMER	15.53	42000	J
18.		TRIMETHYLNAPHTHALENE ISOMER	15.70	65000	J
19.		TRIMETHYLNAPHTHALENE ISOMER	15.86	46000	J
20.		UNKNOWN PAH DER.	16.20	55000	J
21.		UNKNOWN PAH DER.	16.40	32000	J
22.		UNKNOWN HYDROCARBON	16.51	84000	J
23.		UNKNOWN PAH DER.	16.65	32000	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Z61668.RR

Level: (low/med) LOW Date Samp/Recv: 07/09/2004 07/09/2004

% Moisture: 11.8 decanted: (Y/N) N Date Extracted: 07/14/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/19/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 27 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	17.13	41000	J
25.	UNKNOWN PAH DER.	17.21	22000	J
26.	UNKNOWN PAH DER.	17.33	20000	J
27.	UNKNOWN PAH DER.	18.51	20000	J

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ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.30 (g/mL) G Lab File ID: Z61711.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-N-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	46	J
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
92-52-4	Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	930	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	930	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.30 (g/mL) G Lab File ID: Z61711.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	380	U
51-28-5	2,4-Dinitrophenol	930	U
100-02-7	4-Nitrophenol	930	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenylphenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	930	U
534-52-1	2-Methyl-4,6-dinitrophenol	930	U
86-30-6	N-Nitrosodiphenylamine	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	930	U
85-01-8	Phenanthrene	19	J
120-12-7	Anthracene	380	U
86-74-8	Carbazole	380	U
84-74-2	di-n-Butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	24	J
117-84-0	di-n-Octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-c,d)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U

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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.30 (g/mL) G Lab File ID: Z61711.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	380	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.30 (g/mL) G Lab File ID: Z61711.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 15.1 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.9

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q

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Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61714.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 10.6 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	360	U
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
98-86-2	Acetophenone	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-N-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
105-60-2	Caprolactam	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	57	J
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	360	U
92-52-4	Biphenyl	360	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	870	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
99-09-2	3-Nitroaniline	870	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61714.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 10.6 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	16	J
51-28-5	2,4-Dinitrophenol	870	U
100-02-7	4-Nitrophenol	870	U
132-64-9	Dibenzofuran	13	J
121-14-2	2,4-Dinitrotoluene	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenylphenylether	360	U
86-73-7	Fluorene	25	J
100-01-6	4-Nitroaniline	870	U
534-52-1	2-Methyl-4,6-dinitrophenol	870	U
86-30-6	N-Nitrosodiphenylamine	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
1912-24-9	Atrazine	360	U
87-86-5	Pentachlorophenol	870	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	11	J
86-74-8	Carbazole	360	U
84-74-2	di-n-Butylphthalate	360	U
206-44-0	Fluoranthene	23	J
129-00-0	Pyrene	24	J
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	38	J
117-84-0	di-n-Octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-c,d)pyrene	360	U
53-70-3	Dibenzo(a,h)anthracene	360	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61714.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 10.6 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	360	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.93 (g/mL) G Lab File ID: Z61714.RR

Level: (low/med) LOW Date Samp/Recv: 07/12/2004 07/13/2004

% Moisture: 10.6 decanted: (Y/N) N Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/22/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.5

Number TICs found: 3 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DIMETHYLNAPHTHALENE ISOMER	14.43	200	J
2.	UNKNOWN PAH DER.	16.16	160	J
3.	UNKNOWN PAH DER.	25.76	140	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
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Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.60 (g/mL) G Lab File ID: 24A05228.TX0

% Moisture: 5.4 decanted: (Y/N) N Date Samp/Recv: 07/07/2004 07/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/12/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	160	
	Fuel Oil #4	10	U
	Fuel Oil #6	10	U
	Gasoline	10	U
	Kerosene	10	U
	Motor Oil	10	U
	Other-1	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
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Client No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640602

Sample wt/vol: 30.88 (g/mL) G Lab File ID: 24A05229.TX0

% Moisture: 7.4 decanted: (Y/N) N Date Samp/Recv: 07/07/2004 07/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/12/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.36 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	----------Fuel Oil #2	10	U
	----------Fuel Oil #4	10	U
	----------Fuel Oil #6	10	U
	----------Gasoline	10	U
	----------Kerosene	10	U
	----------Motor Oil	10	U
	----------Other-1	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
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Client No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640603

Sample wt/vol: 30.71 (g/mL) G Lab File ID: 24A05233.TX0

% Moisture: 23.9 decanted: (Y/N) N Date Samp/Recv: 07/08/2004 07/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/12/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/13/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 10.70 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	13	U
----------	Fuel Oil #4	13	U
----------	Fuel Oil #6	86	
----------	Gasoline	13	U
----------	Kerosene	13	U
----------	Motor Oil	13	U
----------	Other-1	13	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.58 (g/mL) G Lab File ID: 24A06012.TX0

% Moisture: 12.7 decanted: (Y/N) N Date Samp/Recv: 07/08/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/13/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.36 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	11	U
----------	Fuel Oil #4	11	U
----------	Fuel Oil #6	11	U
----------	Gasoline	11	U
----------	Kerosene	11	U
----------	Motor Oil	11	U
----------	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
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Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.40 (g/mL) G Lab File ID: 24A06013.TX0

% Moisture: 11.9 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/13/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/14/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.43 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
----------	Fuel Oil #2	340	
----------	Fuel Oil #4	11	U
----------	Fuel Oil #6	11	U
----------	Gasoline	11	U
----------	Kerosene	11	U
----------	Motor Oil	11	U
----------	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.24 (g/mL) G Lab File ID: 24A06018.TX0

% Moisture: 11.8 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/13/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	8700	
	Fuel Oil #4	560	U
	Fuel Oil #6	560	U
	Gasoline	560	U
	Kerosene	560	U
	Motor Oil	560	U
	Other-1	560	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.86 (g/mL) G Lab File ID: 24A06032.TX0

% Moisture: 15.1 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.91 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	64	
	Fuel Oil #4	11	U
	Fuel Oil #6	11	U
	Gasoline	11	U
	Kerosene	11	U
	Motor Oil	11	U
	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.24 (g/mL) G Lab File ID: 24A06035.TX0

% Moisture: 10.6 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.48 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	91	
	Fuel Oil #4	11	U
	Fuel Oil #6	11	U
	Gasoline	11	U
	Kerosene	11	U
	Motor Oil	11	U
	Other-1	11	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.: D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.38 (g/mL) G Lab File ID: 18B18197.TX0

% Moisture: 5.4 decanted: (Y/N) N Date Samp/Recv: 07/07/2004 07/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.3	U
319-85-7	beta-BHC	8.3	U
319-86-8	delta-BHC	8.3	U
58-89-9	gamma-BHC (Lindane)	8.3	U
76-44-8	Heptachlor	8.3	U
309-00-2	Aldrin	8.3	U
1024-57-3	Heptachlor epoxide	8.3	U
959-98-8	Endosulfan I (Alpha)	17	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II (Beta)	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	Methoxychlor	83	U
53494-70-5	Endrin ketone	17	U
7421-93-4	Endrin aldehyde	33	U
5103-71-9	Chlordane (alpha & gamma)	42	U
5103-74-2	Chlordane (alpha & gamma)	42	U
8001-35-2	Toxaphene	170	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.02 (g/mL) G Lab File ID: 18B18198.TX0

% Moisture: 12.7 decanted: (Y/N) N Date Samp/Recv: 07/08/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.36 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.2	U
319-85-7	beta-BHC	9.2	U
319-86-8	delta-BHC	9.2	U
58-89-9	gamma-BHC (Lindane)	9.2	U
76-44-8	Heptachlor	9.2	U
309-00-2	Aldrin	9.2	U
1024-57-3	Heptachlor epoxide	9.2	U
959-98-8	Endosulfan I (Alpha)	18	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	0.76	J
33213-65-9	Endosulfan II (Beta)	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	92	U
53494-70-5	Endrin ketone	0.99	J
7421-93-4	Endrin aldehyde	37	U
5103-71-9	Chlordane (alpha & gamma)	46	U
5103-74-2	Chlordane (alpha & gamma)	46	U
8001-35-2	Toxaphene	180	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.08 (g/mL) G Lab File ID: 18B18199.TX0

% Moisture: 11.9 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.43 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.0	U
319-85-7	beta-BHC	9.0	U
319-86-8	delta-BHC	9.0	U
58-89-9	gamma-BHC (Lindane)	9.0	U
76-44-8	Heptachlor	9.0	U
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I (Alpha)	18	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	2.2	J
33213-65-9	Endosulfan II (Beta)	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	0.90	J
72-43-5	Methoxychlor	90	U
53494-70-5	Endrin ketone	2.1	J
7421-93-4	Endrin aldehyde	36	U
5103-71-9	Chlordane (alpha & gamma)	45	U
5103-74-2	Chlordane (alpha & gamma)	45	U
8001-35-2	Toxaphene	180	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.12 (g/mL) G Lab File ID: 18B18200.TX0

% Moisture: 11.8 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	J
319-85-7	beta-BHC	0.94	J
319-86-8	delta-BHC	0.79	J
58-89-9	gamma-BHC (Lindane)	1.4	J
76-44-8	Heptachlor	0.49	J
309-00-2	Aldrin	9.0	U
1024-57-3	Heptachlor epoxide	9.0	U
959-98-8	Endosulfan I (Alpha)	18	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	2.0	J
33213-65-9	Endosulfan II (Beta)	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	5.4	J
72-43-5	Methoxychlor	90	U
53494-70-5	Endrin ketone	0.83	J
7421-93-4	Endrin aldehyde	36	U
5103-71-9	Chlordane (alpha & gamma)	45	U
5103-74-2	Chlordane (alpha & gamma)	45	U
8001-35-2	Toxaphene	180	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.47 (g/mL) G Lab File ID: 18B19123.TX0

% Moisture: 15.1 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/28/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.91 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	9.3	U
319-85-7	beta-BHC	9.3	U
319-86-8	delta-BHC	0.97	J
58-89-9	gamma-BHC (Lindane)	9.3	U
76-44-8	Heptachlor	9.3	U
309-00-2	Aldrin	9.3	U
1024-57-3	Heptachlor epoxide	9.3	U
959-98-8	Endosulfan I (Alpha)	18	U
60-57-1	Dieldrin	18	U
72-55-9	4,4'-DDE	18	U
72-20-8	Endrin	18	U
33213-65-9	Endosulfan II (Beta)	18	U
72-54-8	4,4'-DDD	18	U
1031-07-8	Endosulfan sulfate	18	U
50-29-3	4,4'-DDT	18	U
72-43-5	Methoxychlor	93	U
53494-70-5	Endrin ketone	18	U
7421-93-4	Endrin aldehyde	37	U
5103-71-9	Chlordane (alpha & gamma)	46	U
5103-74-2	Chlordane (alpha & gamma)	46	U
8001-35-2	Toxaphene	180	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8081 - PESTICIDES - S
ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.85 (g/mL) G Lab File ID: 18B19126.TX0

% Moisture: 10.6 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/28/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.48 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	8.7	U
319-85-7	beta-BHC	8.7	U
319-86-8	delta-BHC	1.7	J
58-89-9	gamma-BHC (Lindane)	8.7	U
76-44-8	Heptachlor	8.7	U
309-00-2	Aldrin	8.7	U
1024-57-3	Heptachlor epoxide	8.7	U
959-98-8	Endosulfan I (Alpha)	17	U
60-57-1	Dieldrin	17	U
72-55-9	4,4'-DDE	17	U
72-20-8	Endrin	17	U
33213-65-9	Endosulfan II (Beta)	17	U
72-54-8	4,4'-DDD	17	U
1031-07-8	Endosulfan sulfate	17	U
50-29-3	4,4'-DDT	17	U
72-43-5	Methoxychlor	87	U
53494-70-5	Endrin ketone	17	U
7421-93-4	Endrin aldehyde	35	U
5103-71-9	Chlordane (alpha & gamma)	44	U
5103-74-2	Chlordane (alpha & gamma)	44	U
8001-35-2	Toxaphene	170	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4640601

Sample wt/vol: 30.92 (g/mL) G Lab File ID: 19A18125.TX0

% Moisture: 5.4 decanted: (Y/N) N Date Samp/Recv: 07/07/2004 07/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	82	U
11104-28-2	PCB-1221	82	U
11141-16-5	PCB-1232	82	U
53469-21-9	PCB-1242	82	U
12672-29-6	PCB-1248	82	U
11097-69-1	PCB-1254	82	U
11096-82-5	PCB-1260	82	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648401

Sample wt/vol: 30.31 (g/mL) G Lab File ID: 19A18126.TX0

% Moisture: 12.7 decanted: (Y/N) N Date Samp/Recv: 07/08/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.36 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	91	U
11104-28-2	PCB-1221	91	U
11141-16-5	PCB-1232	91	U
53469-21-9	PCB-1242	91	U
12672-29-6	PCB-1248	91	U
11097-69-1	PCB-1254	91	U
11096-82-5	PCB-1260	91	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648402

Sample wt/vol: 30.21 (g/mL) G Lab File ID: 19A18127.TX0

% Moisture: 11.9 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.43 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	90	U
11104-28-2	PCB-1221	90	U
11141-16-5	PCB-1232	90	U
53469-21-9	PCB-1242	90	U
12672-29-6	PCB-1248	90	U
11097-69-1	PCB-1254	90	U
11096-82-5	PCB-1260	90	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4648403

Sample wt/vol: 30.02 (g/mL) G Lab File ID: 19A18128.TX0

% Moisture: 11.8 decanted: (Y/N) N Date Samp/Recv: 07/09/2004 07/09/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/14/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/15/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.06 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	91	U
11104-28-2	PCB-1221	91	U
11141-16-5	PCB-1232	91	U
53469-21-9	PCB-1242	91	U
12672-29-6	PCB-1248	91	U
11097-69-1	PCB-1254	91	U
11096-82-5	PCB-1260	91	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657001

Sample wt/vol: 30.70 (g/mL) G Lab File ID: 19A19073.TX0

% Moisture: 15.1 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 9.91 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	92	U
11104-28-2	PCB-1221	92	U
11141-16-5	PCB-1232	92	U
53469-21-9	PCB-1242	92	U
12672-29-6	PCB-1248	92	U
11097-69-1	PCB-1254	92	U
11096-82-5	PCB-1260	92	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix: (soil/water) SOIL Lab Sample ID: A4657002

Sample wt/vol: 30.59 (g/mL) G Lab File ID: 19A19076.TX0

% Moisture: 10.6 decanted: (Y/N) N Date Samp/Recv: 07/12/2004 07/13/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/20/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/21/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.48 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	88	U
11104-28-2	PCB-1221	88	U
11141-16-5	PCB-1232	88	U
53469-21-9	PCB-1242	88	U
12672-29-6	PCB-1248	88	U
11097-69-1	PCB-1254	88	U
11096-82-5	PCB-1260	88	U

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.: D77613

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437174

Level (low/med): LOW Date Received: 7/8/2004

% Solids: 95

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5550		E	P
7440-36-0	Antimony	0.42	B		P
7440-38-2	Arsenic	4.4			P
7440-39-3	Barium	32.8		E	P
7440-41-7	Beryllium	0.37	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	59600			P
7440-47-3	Chromium	15.7			P
7440-48-4	Cobalt	9.6		E	P
7440-50-8	Copper	50.0			P
7439-89-6	Iron	19200			P
7439-92-1	Lead	6.6			P
7439-95-4	Magnesium	21200			P
7439-96-5	Manganese	498			P
7440-02-0	Nickel	13.3		E	P
7440-09-7	Potassium	1440		E	P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.12	U		P
7439-97-6	Mercury	0.011	B		CV
7440-23-5	Sodium	108	B		P
7440-28-0	Thallium	0.51	U		P
7440-62-2	Vanadium	53.3			P
7440-66-6	Zinc	30.1		E	P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77616

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437151

Level (low/med): LOW Date Received: 7/9/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7940			P
7440-36-0	Antimony	0.52	B	N	P
7440-38-2	Arsenic	3.7		N*	P
7440-39-3	Barium	90.6			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	72100			P
7440-47-3	Chromium	10.2			P
7440-48-4	Cobalt	6.7		E	P
7440-50-8	Copper	15.5			P
7439-89-6	Iron	12100			P
7439-92-1	Lead	7.0		N*	P
7439-95-4	Magnesium	30300			P
7439-96-5	Manganese	404			P
7440-02-0	Nickel	13.7		E	P
7440-09-7	Potassium	2520		E	P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.14	U		P
7439-97-6	Mercury	0.023			CV
7440-23-5	Sodium	181	B		P
7440-28-0	Thallium	0.56	U		P
7440-62-2	Vanadium	14.6		E	P
7440-66-6	Zinc	33.9		E	P

Color Before: BROWN Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77617

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437155

Level (low/med): LOW Date Received: 7/9/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7710			P
7440-36-0	Antimony	0.43	U	N	P
7440-38-2	Arsenic	18.5		N*	P
7440-39-3	Barium	88.3			P
7440-41-7	Beryllium	0.26	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	3360			P
7440-47-3	Chromium	9.4			P
7440-48-4	Cobalt	2.8	B	E	P
7440-50-8	Copper	12.0			P
7439-89-6	Iron	11600			P
7439-92-1	Lead	8.2		N*	P
7439-95-4	Magnesium	1720			P
7439-96-5	Manganese	59.3			P
7440-02-0	Nickel	6.8		E	P
7440-09-7	Potassium	785		E	P
7782-49-2	Selenium	1.0	B		P
7440-22-4	Silver	0.14	B		P
7439-97-6	Mercury	0.036			CV
7440-23-5	Sodium	46.5	B		P
7440-28-0	Thallium	0.55	U		P
7440-62-2	Vanadium	15.9		E	P
7440-66-6	Zinc	28.4		E	P

Color Before: BLACK Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77618

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437156

Level (low/med): LOW Date Received: 7/9/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3490			P
7440-36-0	Antimony	1.4	B	N	P
7440-38-2	Arsenic	10.2		N*	P
7440-39-3	Barium	44.5			P
7440-41-7	Beryllium	0.44	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	64800			P
7440-47-3	Chromium	7.3			P
7440-48-4	Cobalt	9.3		E	P
7440-50-8	Copper	176			P
7439-89-6	Iron	20500			P
7439-92-1	Lead	72.6		N*	P
7439-95-4	Magnesium	25000			P
7439-96-5	Manganese	505			P
7440-02-0	Nickel	14.9		E	P
7440-09-7	Potassium	741		E	P
7782-49-2	Selenium	0.55	U		P
7440-22-4	Silver	0.19	B		P
7439-97-6	Mercury	0.007	U		CV
7440-23-5	Sodium	97.3	B		P
7440-28-0	Thallium	0.55	U		P
7440-62-2	Vanadium	10.1		E	P
7440-66-6	Zinc	51.2		E	P

Color Before: BLACK Clarity Before: N/A Texture: MUD

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77619

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437194

Level (low/med): LOW Date Received: 7/13/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5660		E	P
7440-36-0	Antimony	0.44	U	N	P
7440-38-2	Arsenic	1.7			P
7440-39-3	Barium	46.9		E	P
7440-41-7	Beryllium	0.32	B		P
7440-43-9	Cadmium	0.04	U		P
7440-70-2	Calcium	63800			P
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt	3.8	B		P
7440-50-8	Copper	13.4			P
7439-89-6	Iron	10400			P
7439-92-1	Lead	5.2		N	P
7439-95-4	Magnesium	24800			P
7439-96-5	Manganese	361			P
7440-02-0	Nickel	8.8			P
7440-09-7	Potassium	1730		E	P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.14	U		P
7439-97-6	Mercury	0.010	B	*	CV
7440-23-5	Sodium	287	B		P
7440-28-0	Thallium	0.56	U		P
7440-62-2	Vanadium	14.0		E	P
7440-66-6	Zinc	49.3		N	P

Color Before: BROWN Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77620

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07207

Matrix (soil/water): SOIL Lab Sample ID: AD437198

Level (low/med): LOW Date Received: 7/13/2004

% Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3310		E	P
7440-36-0	Antimony	0.42	U	N	P
7440-38-2	Arsenic	1.3			P
7440-39-3	Barium	28.8		E	P
7440-41-7	Beryllium	0.18	B		P
7440-43-9	Cadmium	0.14	B		P
7440-70-2	Calcium	64900			P
7440-47-3	Chromium	5.1			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	7.3			P
7439-89-6	Iron	7450			P
7439-92-1	Lead	13.8		N	P
7439-95-4	Magnesium	27800			P
7439-96-5	Manganese	341			P
7440-02-0	Nickel	5.9			P
7440-09-7	Potassium	1020		E	P
7782-49-2	Selenium	0.53	U		P
7440-22-4	Silver	0.13	U		P
7439-97-6	Mercury	0.004	U	*	CV
7440-23-5	Sodium	126	B		P
7440-28-0	Thallium	0.53	U		P
7440-62-2	Vanadium	7.8		E	P
7440-66-6	Zinc	36.3		N	P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77613

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4640601

% Solids: 0.0 Date Samp/Recv: 07/07/2004 07/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.0	U			9012	07/12/2004
Leachable pH	S.U.	8.06				9045	07/21/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77614

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4640602

% Solids: 0.0 Date Samp/Recv: 07/07/2004 07/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.36				9045	07/21/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77615

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4640603

% Solids: 0.0 Date Samp/Recv: 07/08/2004 07/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	10.7				9045	07/21/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77616

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4648401

% Solids: 87.3 Date Samp/Recv: 07/08/2004 07/09/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	3.9	U			9012	07/15/2004
Leachable pH	S.U.	8.36				9045	07/14/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77617

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4648402

% Solids: 88.1 Date Samp/Recv: 07/09/2004 07/09/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.5	U			9012	07/15/2004
Leachable pH	S.U.	7.43				9045	07/14/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77618

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4648403

% Solids: 88.2 Date Samp/Recv: 07/09/2004 07/09/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.2	U			9012	07/15/2004
Leachable pH	S.U.	8.06				9045	07/14/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.

D77619

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4657001

% Solids: 84.9 Date Samp/Recv: 07/12/2004 07/13/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.3	U			9012	07/20/2004
Leachable pH	S.U.	9.91				9045	07/15/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77620

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07207

Matrix (soil/water): SOIL Lab Sample ID: A4657002

% Solids: 89.4 Date Samp/Recv: 07/12/2004 07/13/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/G	4.2	U			9012	07/15/2004
Leachable pH	S.U.	8.48				9045	07/15/2004

Comments:

Water/Product Samples D77601 - D77612
(MW-1 through MW-6, MW-3 Product, SBG-3, SBG-5, SBG-6, and SW-1)

ANALYTICAL REPORT

Job#: A04-7246

STL Project#: NY1A8770.8
SDG#: 07527
Site Name: NYS DEC ASP Contract #C004154 - Region 8
Task: RH804

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Greg MacLean

STL Buffalo

Brian J. Fischer
Project Manager

08/26/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE DATA SUMMARY PACKAGE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4724601	D77601	07/27/2004	11:15	07/30/2004	10:30
A4724601MS	D77601	07/27/2004	11:15	07/30/2004	10:30
A4724601SD	D77601	07/27/2004	11:15	07/30/2004	10:30
A4724602	D77602	07/27/2004	12:45	07/30/2004	10:30
A4724603	D77603	07/27/2004	14:45	07/30/2004	10:30
A4724604	D77604	07/27/2004	16:00	07/30/2004	10:30
A4724605	D77605	07/28/2004	11:30	07/30/2004	10:30
A4724606	D77606	07/28/2004	12:40	07/30/2004	10:30
A4724607	D77607	07/28/2004	14:30	07/30/2004	10:30
A4724608	D77608	07/29/2004	08:00	07/30/2004	10:30
A4724609	D77609	07/29/2004	10:00	07/30/2004	10:30
A4724610	D77610	07/29/2004	10:40	07/30/2004	10:30
A4724611	D77611	07/29/2004	11:30	07/30/2004	10:30
A4724612	TBLANK	07/17/2004		07/30/2004	10:30

METHODS SUMMARY

Job#: A04-7246

STL Project#: NY1A8770.8
SDG#: 07527
Site Name: NYS DEC ASP Contract #C004154 - Region 8

PARAMETER	ANALYTICAL METHOD	
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES	ASP00	8260/5ML
NYSDEC - SOIL-ASP00/8260 VOLATILES	ASP00	8260
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00	8270
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS	ASP00	8270
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES	ASP00	8081
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W	ASP00	8082
NYSDEC-ASP00 8082 - POLYCHLORINATED BIPHENYLS(OIL)	SW8463	8082(OIL)
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S	ASP00	31013
Aluminum - Total	ASP00	6010
Antimony - Total	ASP00	6010
Arsenic - Total	ASP00	6010
Barium - Total	ASP00	6010
Beryllium - Total	ASP00	6010
Cadmium - Total	ASP00	6010
Calcium - Total	ASP00	6010
Chromium - Total	ASP00	6010
Cobalt - Total	ASP00	6010
Copper - Total	ASP00	6010
Iron - Total	ASP00	6010
Lead - Total	ASP00	6010
Magnesium - Total	ASP00	6010
Manganese - Total	ASP00	6010
Mercury - Total	ASP00	7470
Nickel - Total	ASP00	6010
Potassium - Total	ASP00	6010
Selenium - Total	ASP00	6010
Silver - Total	ASP00	6010
Sodium - Total	ASP00	6010
Thallium - Total	ASP00	6010
Vanadium - Total	ASP00	6010
Zinc - Total	ASP00	6010
Cyanide - Total	ASP00	9012

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

NON-CONFORMANCE SUMMARY

Job#: A04-7246

STL Project#: NY1A8770.8
SDG#: 07527
Site Name: NYS DEC ASP Contract #C004154 - Region 8

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-7246
Sample Cooler(s) were received at the following temperature(s); 3 @ 4.4 °C
All samples were received in good condition.

GC/MS Volatile Data

Volatile samples D77601 and D77604 exhibited a pH of 7 at the time of analysis. The analysis was performed within 7 days of sampling, therefore there is no impact on data usability. All other water samples were preserved to a PH less than 2.

Sample D77606 was analyzed using modified medium level techniques due to high concentrations of non-target analytes.

Sample D77606 exhibited a density of 0.8400 g/ml.

GC/MS Semivolatile Data

The spike recovery for Pentachlorophenol was above the method defined quality control limit in The Matrix Spike Blank A4B1379401. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed.

The spike recoveries for several analytes were above the method defined quality control limit in the Matrix Spike Blank A4B1384801 and in the Matrix Spike Blank Duplicate A4B1384802. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed. There are no CLP established limits for an oil matrix.

The surrogate recoveries for Phenol-d5 and 2-Fluorophenol were above the method defined quality control limit in Method Blank A4B1384803. Since the result was biased high and no analytes were detected in the method blank. No corrective action was performed. There are no CLP established limits for an oil matrix.

The surrogate recovery for 2,4,6-Tribromophenol was diluted out of sample D77606 DL.

The surrogate recoveries for Nitrobenzene-d5 and 2-Fluorobiphenyl were above the method defined quality control limit in sample D77609. The surrogates were compliant in the base sample.

The spike recovery for Pentachlorophenol was above the method defined quality control limit in the Matrix Spike D77601 MS and the Matrix Spike Duplicate D77601 MSD. No corrective action was required.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The recovery of sample D77601 Post Spike exhibited results below quality control limits for Calcium. However, the LFB was acceptable.

The Serial Dilution of D770601 exceeded quality control limits for Potassium. However, the LFB was acceptable.

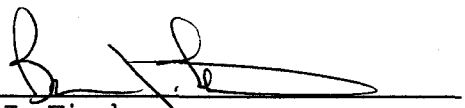
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

8-26-04

Date

Date: 08/26/2004
Time: 10:22:50

Dilution Log w/Code Information
For Job A04-7246

Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D77601	A4724601	Potassium - Total	5.00	
D77601	A4724601	Sodium - Total	5.00	
D77601	A4724601MD	Potassium - Total	5.00	
D77601	A4724601MD	Sodium - Total	5.00	
D77601	A4724601MS	Potassium - Total	5.00	
D77601	A4724601MS	Sodium - Total	5.00	
D77601	A4724601SD	Potassium - Total	5.00	
D77601	A4724601SD	Sodium - Total	5.00	
D77604	A4724604	8270	10.00	002
D77606	A4724606	31013	20.00	008
D77606	A4724606	8270	5.00	008
D77606 Dl	A4724606DL	8270	100.00	008
D77607	A4724607	8270	5.00	008
D77609 DL	A4724609DL	8270	10.00	008
D77610	A4724610	8270	10.00	002

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**	**SDG/Case**		**07527/RH804**
File ID	**z61867**	**Lab ID**		**A4724604**
Date	**8/5/2004**	**Client ID**		**D77604**
Initial Volume (mL)	1060		Injection Volume (uL)	2.00
Final Volume (mL)	1.0			
Dilution Factor	10.00		GPC	N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
13.37	TYPE2		10.13	48
14.47	HEXADECANE	544-76-3	19.67	93
16.85	TYPE2		35.87	169
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A047246**	**SDG/Case**	**07527/RH804**
File ID	**Z61887**	**Lab ID**	**A4724606**
Date	**8/6/2004**	**Client ID**	**D77606**
Initial weight (g)	0.1900	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	100
Dilution Factor	5.00	GPC	N

1000
1
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
6.32	TYPE2		43.13	567500
7.03	TYPE2		52.6	692105
8	TYPE2		163.58	2152368
8.83	TYPE2		47.5	625000
11.12	TYPE2		71.4	939474
12	TYPE2		49.45	650658
16.9	TYPE2		71.81	944868
				0
				0
				0
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Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A047246**	**SDG/Case**	**07527/RH804**
File ID	**Z61930**	**Lab ID**	**A4724606DL**
Date	**8/11/2004**	**Client ID**	**D77606 DL**
Initial weight (g)	0.1900	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	100
Dilution Factor	100.00	GPC	N

1000
1
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
7.88	TYPE2		14.5	3815789
10.98	TYPE2		25.47	6702632
11.83	TYPE2		26.67	7018421
13.27	TYPE2		19.87	5228947
14.35	TYPE1		38.77	10202632
14.58	TYPE2		13.4	3526316
16.77	0,14-TETRAMETHYLPENTADEC	1921-70-6	67.31	17713158
				0
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Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**	**SDG/Case**		**07527/RH804**
File ID	**Z61879**	**Lab ID**		**A4724607**
Date	**8/6/2004**	**Client ID**		**D77607**
Initial Volume (mL)	1060		Injection Volume (uL)	2.00
Final Volume (mL)	1.0			
Dilution Factor	5.00		GPC	N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
11.07	TYPE2		13.75	32
13.35	TYPE2		12.71	30
16.83	TYPE2		49.6	117
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**	**SDG/Case**		**07527/RH804**
File ID	**Z61928**	**Lab ID**		**A4724608**
Date	**8/11/2004**	**Client ID**		**D77608**
Initial Volume (mL)	1060		Injection Volume (uL)	2.00
Final Volume (mL)	1.0			
Dilution Factor	1.00		GPC	N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
21.78	TYPE1		5.51	3
22.92	TYPE1		9.19	4
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**	**SDG/Case**		**07527/RH804**
File ID	**Z61881**	**Lab ID**		**A4724609**
Date	**8/6/2004**	**Client ID**		**D77609**
Initial Volume (mL)	1060		Injection Volume (uL)	2.00
Final Volume (mL)	1.0			
Dilution Factor	1.00		GPC	N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
6.32	TYPE2		47.63	22
7.03	TYPE2		63.89	30
8	TYPE2		231.3	109
8.83	TYPE2		88	42
11.13	TYPE2		124.09	59
12.03	TYPE2		89.84	42
13.47	TYPE2		35.69	17
14.6	TYPE2		40	19
				0
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Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**		**SDG/Case**		**07527/RH804**
File ID	**Z61929**		**Lab ID**		**A4724609DL**
Date	**8/11/2004**		**Client ID**		**D77609 DL**
Initial Volume (mL)	1060		Injection Volume (uL)		2.00
Final Volume (mL)	1.0				
Dilution Factor	10.00		GPC		N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
11	TYPE2		54.41	257
11.85	TYPE2		66.99	316
13.28	TYPE2		106.47	502
14.38	TYPE2		159.52	752
16.78	14-TETRAMETHYLPENTADI	1921-70-6	208.8	985
				0
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Alkane Types	Type 1	Unknown Straight Chain Alkane
	Type 2	Unknown Branched Alkane
	Type 3	Unknown Cyclic Alkane
	Type 4	Unknown Alkane

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A04-7246**	**SDG/Case**		**07527/RH804**
File ID	**Z61883**	**Lab ID**		**A4724611**
Date	**8/6/2004**	**Client ID**		**D77611**
Initial Volume (mL)	1060		Injection Volume (uL)	2.00
Final Volume (mL)	1.0			
Dilution Factor	1.00		GPC	N

1000
1

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/L)
21.33	TYPE2		4.36	2
21.52	TYPE2		4.57	2
				0
				0
				0

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
D77601	A4724601	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77602	A4724602	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77603	A4724603	ASP00	ASP00	-	-	-	-	-
D77604	A4724604	ASP00	ASP00	-	ASP00	-	-	-
D77605	A4724605	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77606	A4724606	ASP00	ASP00	-	ASP00	-	-	-
D77607	A4724607	ASP00	ASP00	-	ASP00	ASP00	-	ASP00
D77608	A4724608	ASP00	ASP00	-	-	-	-	-
D77609	A4724609	ASP00	ASP00	-	-	-	-	-
D77610	A4724610	ASP00	ASP00	-	-	-	-	-
D77611	A4724611	ASP00	ASP00	-	-	-	-	-

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	WATER	07/27/2004	07/30/2004	-	08/02/2004
D77602	WATER	07/27/2004	07/30/2004	-	08/02/2004
D77603	WATER	07/27/2004	07/30/2004	-	08/02/2004
D77604	WATER	07/27/2004	07/30/2004	-	08/02/2004
D77605	WATER	07/28/2004	07/30/2004	-	08/02/2004
D77606	SOTHER	07/28/2004	07/30/2004	-	08/02/2004
D77607	WATER	07/28/2004	07/30/2004	-	08/02/2004
D77608	WATER	07/29/2004	07/30/2004	-	08/02/2004
D77609	WATER	07/29/2004	07/30/2004	-	08/02/2004
D77610	WATER	07/29/2004	07/30/2004	-	08/02/2004
D77611	WATER	07/29/2004	07/30/2004	-	08/02/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	WATER	07/27/2004	07/30/2004	08/02	08/05
D77602	WATER	07/27/2004	07/30/2004	08/02	08/05
D77603	WATER	07/27/2004	07/30/2004	08/02	08/05
D77604	WATER	07/27/2004	07/30/2004	08/02	08/05
D77605	WATER	07/28/2004	07/30/2004	08/02	08/06
D77606	SOTHER	07/28/2004	07/30/2004	08/03	08/06
D77607	WATER	07/28/2004	07/30/2004	08/02	08/06
D77608	WATER	07/29/2004	07/30/2004	08/02	08/11
D77609	WATER	07/29/2004	07/30/2004	08/02	08/06
D77610	WATER	07/29/2004	07/30/2004	08/02	08/06
D77611	WATER	07/29/2004	07/30/2004	08/02	08/06

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	WATER	07/27/2004	07/30/2004	08/02/2004	08/05/2004
D77602	WATER	07/27/2004	07/30/2004	08/02/2004	08/05/2004
D77603	WATER	07/27/2004	07/30/2004	08/02/2004	08/05/2004
D77604	WATER	07/27/2004	07/30/2004	08/02/2004	08/05/2004
D77605	WATER	07/28/2004	07/30/2004	08/02/2004	08/06/2004
D77606	SOTHER	07/28/2004	07/30/2004	08/03/2004	08/06/2004
D77607	WATER	07/28/2004	07/30/2004	08/02/2004	08/06/2004
D77608	WATER	07/29/2004	07/30/2004	08/02/2004	08/11/2004
D77609	WATER	07/29/2004	07/30/2004	08/02/2004	08/06/2004
D77610	WATER	07/29/2004	07/30/2004	08/02/2004	08/06/2004
D77611	WATER	07/29/2004	07/30/2004	08/02/2004	08/06/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D77601	WATER	07/27/2004	07/30/2004	08/02/2004	08/03/2004
D77602	WATER	07/27/2004	07/30/2004	08/02/2004	08/03/2004
D77604	WATER	07/27/2004	07/30/2004	08/02/2004	08/03/2004
D77605	WATER	07/28/2004	07/30/2004	08/02/2004	08/03/2004
D77606	SOTHER	07/28/2004	07/30/2004	08/03/2004	08/04/2004
D77607	WATER	07/28/2004	07/30/2004	08/02/2004	08/03/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
D77601	WATER	T TALME	07/30/2004	08/02 – 04/2004	08/02 – 05/2004
D77602	WATER	T TALME	07/30/2004	08/02 – 04/2004	08/02 – 05/2004
D77605	WATER	T TALME	07/30/2004	08/02 – 04/2004	08/02 – 05/2004
D77607	WATER	T TALME	07/30/2004	08/02 – 04/2004	08/02 – 05/2004

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
D77601	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77602	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77603	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77604	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77605	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77606	SOTHER	SW8463	SONC	AS REQUIRED	AS REQUIRED
D77607	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77608	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77609	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77610	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED
D77611	WATER	ASP00	SEPF	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
D77601	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77602	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77605	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED
D77607	WATER	ASP00	ASP00	AS REQUIRED	AS REQUIRED

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8596.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8596.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8596.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8597.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8597.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8597.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8598.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8598.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	2	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	4	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8598.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	AROMATIC DERIVATIVE	17.60	41	J
2.	AROMATIC DERIVATIVE	18.45	22	J
3.	TETRAMETHYLBENZENE ISOMER	18.82	20	J
4.	AROMATIC DERIVATIVE	19.56	20	J
5.	AROMATIC DERIVATIVE	19.61	39	J
6.	UNKNOWN	20.07	21	J
7.	AROMATIC DERIVATIVE	20.31	27	J
8.	INDENE DERIVATIVE	21.52	19	J
9.	METHYLNAPHTHALENE ISOMER	22.62	29	J
10.	METHYLNAPHTHALENE ISOMER	23.01	90	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8610.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	6	J
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8610.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	3	J
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	2	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8610.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DIMETHYLNAPHTHALENE ISOMER	14.90	76	J
2.	DIMETHYLNAPHTHALENE ISOMER	15.95	130	J
3.	DIMETHYLNAPHTHALENE ISOMER	16.20	60	J
4.	TRIMETHYLBENZENE ISOMER	16.60	29	J
5.	AROMATIC DERIVATIVE	17.60	38	J
6.	ALKYLBENZENE DERIVATIVE	18.20	29	J
7.	TETRAMETHYLBENZENE ISOMER	18.90	30	J
8.	TETRAMETHYLBENZENE ISOMER	19.56	38	J
9.	AROMATIC DERIVATIVE	19.60	44	J
10.	METHYLNAPHTHALENE ISOMER	23.01	94	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8599.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	5	J
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8599.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8599.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 78-78-4	2-METHYLBENZENE	5.35	7	JN
2. 107-83-5	2-METHYLPENTANE	6.93	13	JN
3. 96-14-0	3-METHYLPENTANE	7.25	8	JN
4. 96-37-7	METHYLCYCLOPENTANE	8.37	8	JN
5.	DIMETHYLNAPHTHALENE ISOMER	14.91	5	J
6.	ALKYLBENZENE DERIVATIVE	15.91	5	J
7.	DIMETHYLNAPHTHALENE ISOMER	16.24	8	J
8.	TRIMETHYLBENZENE ISOMER	16.61	10	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 2.55 (g/mL) G Lab File ID: Q8609.RR

Level: (low/med) MED Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. 0.0 Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	980	U
74-83-9	Bromomethane	980	U
75-01-4	Vinyl chloride	980	U
75-00-3	Chloroethane	980	U
75-09-2	Methylene chloride	980	U
67-64-1	Acetone	980	U
75-15-0	Carbon disulfide	980	U
75-35-4	1,1-Dichloroethene	980	U
75-34-3	1,1-Dichloroethane	980	U
67-66-3	Chloroform	980	U
107-06-2	1,2-Dichloroethane	980	U
78-93-3	2-Butanone	980	U
71-55-6	1,1,1-Trichloroethane	980	U
56-23-5	Carbon tetrachloride	980	U
75-27-4	Bromodichloromethane	980	U
78-87-5	1,2-Dichloropropane	980	U
10061-01-5	cis-1,3-Dichloropropene	980	U
79-01-6	Trichloroethene	980	U
124-48-1	Dibromochloromethane	980	U
79-00-5	1,1,2-Trichloroethane	980	U
71-43-2	Benzene	980	U
10061-02-6	trans-1,3-Dichloropropene	980	U
75-25-2	Bromoform	980	U
108-10-1	4-Methyl-2-pentanone	980	U
591-78-6	2-Hexanone	980	U
127-18-4	Tetrachloroethene	980	U
108-88-3	Toluene	980	U
79-34-5	1,1,2,2-Tetrachloroethane	980	U
108-90-7	Chlorobenzene	980	U
100-41-4	Ethylbenzene	980	U
100-42-5	Styrene	980	U
1330-20-7	Xylene, Total	310	J
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	980	U
156-59-2	cis-1,2-Dichloroethene	980	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 2.55 (g/mL) G Lab File ID: Q8609.RR

Level: (low/med) MED Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. 0.0 Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	980	U
75-71-8	Dichlorodifluoromethane	980	U
75-69-4	Trichlorofluoromethane	980	U
79-20-9	Methyl Acetate	980	U
1634-04-4	Methyl tert-butyl ether	980	U
110-82-7	Cyclohexane	700	J
108-87-2	Methylcyclohexane	3900	
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	980	U
98-82-8	Isopropylbenzene	3000	
541-73-1	1,3-Dichlorobenzene	980	U
106-46-7	1,4-Dichlorobenzene	980	U
95-50-1	1,2-Dichlorobenzene	980	U
96-12-8	1,2-Dibromo-3-chloropropane	980	U
120-82-1	1,2,4-Trichlorobenzene	980	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 2.55 (g/mL) G Lab File ID: Q8609.RR

Level: (low/med) MED Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. 0.0 Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ALKYLCYCLOHEXANE DERIVATIVE	16.95	17000	J
2.	TRIMETHYLBENZENE ISOMER	17.26	21000	J
3.	ALKYLBENZENE DERIVATIVE	18.21	28000	J
4.	UNKNOWN	18.71	19000	J
5.	AROMATIC DERIVATIVE	19.36	21000	J
6.	AROMATIC DERIVATIVE	19.56	21000	J
7.	AROMATIC DERIVATIVE	19.62	21000	J
8.	UNKNOWN	20.08	27000	J
9.	METHYLNAPHTHALENE ISOMER	22.64	80000	J
10.	METHYLNAPHTHALENE ISOMER	23.03	70000	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8600.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	13	
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8600.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	3	J
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	12	
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8600.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	17.26	94	J
2.	AROMATIC DERIVATIVE	17.60	93	J
3.	ALKYLBENZENE DERIVATIVE	18.20	46	J
4.	AROMATIC DERIVATIVE	18.44	57	J
5.	AROMATIC DERIVATIVE	19.35	52	J
6.	AROMATIC DERIVATIVE	19.56	49	J
7.	AROMATIC DERIVATIVE	19.61	90	J
8.	UNSATURATED HYDROCARBON	20.32	40	J
9.	METHYLNAPHTHALENE ISOMER	22.62	270	J
10.	METHYLNAPHTHALENE ISOMER	23.02	250	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8601.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8601.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8601.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 5 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ALKYLNAPHTHALENE DERIVATIVE	14.32	8	J
2.	DIMETHYLNAPHTHALENE ISOMER	14.93	19	J
3.	DIMETHYLNAPHTHALENE ISOMER	15.99	42	J
4.	DIMETHYLNAPHTHALENE ISOMER	16.24	24	J
5.	METHYLNAPHTHALENE ISOMER	23.02	5	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	6	J
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	2	J
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	TRIMETHYLBENZENE ISOMER	16.60	25	J
2.	AROMATIC DERIVATIVE	17.60	23	J
3.	ALKYLBENZENE ISOMER	18.20	24	J
4.	AROMATIC DERIVATIVE	18.90	24	J
5.	AROMATIC DERIVATIVE	19.56	34	J
6.	AROMATIC DERIVATIVE	19.61	35	J
7.	UNKNOWN	20.07	22	J
8.	AROMATIC DERIVATIVE	21.52	23	J
9.	METHYLNAPHTHALENE ISOMER	22.62	37	J
10.	METHYLNAPHTHALENE ISOMER	23.01	100	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 420-56-4	FLUOROTRIMETHYL SILANE	4.80	8	JN
2.	UNKNOWN SILANOL	8.11	16	J
3.	UNKNOWN	14.32	6	J
4.	DIMETHYLNAPHTHALENE ISOMER	14.91	19	J
5.	DIMETHYLNAPHTHALENE ISOMER	16.00	46	J
6.	DIMETHYLNAPHTHALENE ISOMER	16.24	20	J
7.	UNKNOWN	16.76	6	J
8.	DIMETHYLNAPHTHALENE ISOMER	18.08	6	J
9.	TRIMETHYLNAPHTHALENE ISOMER	19.57	6	J
10.	TRIMETHYLNAPHTHALENE ISOMER	20.41	5	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8604.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8604.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8604.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 1066-40-6	TRIMETHYLSILANOL	8.11	7	JN

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

TBLANK

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724612

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8594.RR

Level: (low/med) LOW Date Samp/Recv: 07/17/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene, Total	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

TBLANK

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724612

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8594.RR

Level: (low/med) LOW Date Samp/Recv: 07/17/2004 07/30/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane (Ethylene dibromide)	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	10	U
79-20-9	Methyl Acetate	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TBLANK

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724612

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: Q8594.RR

Level: (low/med) LOW Date Samp/Recv: 07/17/2004 07/30/2004

% Moisture: not dec. _____ Date Analyzed: 08/02/2004

GC Column: DB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z61862.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
120-12-7	Anthracene	10	U
56-55-3	Benzo(a)anthracene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
50-32-8	Benzo(a)pyrene	10	U
65-85-0	Benzoic acid	50	U
100-51-6	Benzyl alcohol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
101-55-3	4-Bromophenylphenylether	10	U
85-68-7	Butylbenzylphthalate	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenylphenylether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-74-2	di-n-Butylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethylphthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethylphthalate	10	U
534-52-1	2-Methyl-4,6-dinitrophenol	25	U
51-28-5	2,4-Dinitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z61862.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	di-n-Octylphthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	24	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-c,d)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	25	U
99-09-2	3-Nitroaniline	25	U
100-01-6	4-Nitroaniline	25	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
621-64-7	N-Nitroso-di-N-propylamine	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
98-86-2	Acetophenone	10	U
1912-24-9	Atrazine	10	U
100-52-7	Benzaldehyde	10	U
92-52-4	Biphenyl	10	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z61862.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	10	U

NYS DEC
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NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61865.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61865.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61865.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61865.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	18.11	2	J
2.		UNKNOWN	19.45	4	J
3.		UNKNOWN	19.68	10	J
4.		UNKNOWN ACID	19.81	26	J
5.		UNKNOWN	20.73	6	J
6.	123-95-5	OCTADECANOIC ACID,BUTYL ESTR	20.80	34	JN
7.		UNKNOWN	21.05	19	J
8.		UNKNOWN	22.16	7	J
9.		UNKNOWN	22.48	5	J
10.		UNKNOWN	23.71	3	J
11.		UNKNOWN	24.11	2	J
12.		UNKNOWN	25.43	3	J
13.		UNKNOWN	27.26	2	J

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61866.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	7	J
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	6	J
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61866.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	8	J
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	23	
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	8	J
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61866.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61866.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	496-11-7	INDANE	8.26	15	JN
2.		TETRAMETHYLBENZENE ISOMER	9.61	8	J
3.		2,3-DIHYDROMETHYL-1H-INDENE	10.00	6	J
4.		2,3-DIHYDROMETHYL-1H-INDENE	10.18	23	J
5.		UNKNOWN BENZENE DER	11.46	8	J
6.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.70	9	J
7.		UNKNOWN	11.80	5	J
8.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.16	11	J
9.		METHYLBENZOTHIOPHENE ISOMER	12.26	11	J
10.		UNKNOWN	12.46	4	J
11.	90-12-0	1-METHYLNAPHTHALENE	12.60	71	JN
12.		UNKNOWN	12.70	4	J
13.		ETHYLNAPHTHALENE ISOMER	13.70	11	J
14.		ETHYLNAPHTHALENE ISOMER	13.75	7	J
15.		DIMETHYLNAPHTHALENE ISOMER	14.05	52	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.10	21	J
17.		ETHYLBENZOTHIOPHENE ISOMER	14.15	5	J
18.		DIMETHYLNAPHTHALENE ISOMER	14.30	20	J
19.		TRIMETHYLNAPHTHALENE ISOMER	15.08	10	J
20.		TRIMETHYLNAPHTHALENE ISOMER	15.33	9	J
21.		TRIMETHYLNAPHTHALENE ISOMER	15.38	11	J
22.		TRIMETHYLNAPHTHALENE ISOMER	15.71	14	J
23.		UNKNOWN	16.05	20	J

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77603

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724603

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61866.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 30 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	METHYL-1,1'-BIPHENYL ISOMER	16.10	8	J
25.	METHYL-1,1'-BIPHENYL ISOMER	16.16	4	J
26.	UNKNOWN HYDROCARBON	16.50	4	J
27.	UNKNOWN PAH DER.	16.85	6	J
28.	UNKNOWN PAH DER.	16.91	4	J
29.	UNKNOWN	17.00	6	J
30. 1072-14-6	UNKNOWN	21.05	4	JN

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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61867.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	94	U
208-96-8	Acenaphthylene	94	U
120-12-7	Anthracene	94	U
56-55-3	Benzo(a)anthracene	94	U
207-08-9	Benzo(k)fluoranthene	94	U
191-24-2	Benzo(g,h,i)perylene	94	U
50-32-8	Benzo(a)pyrene	94	U
65-85-0	Benzoic acid	470	U
100-51-6	Benzyl alcohol	94	U
111-91-1	bis(2-Chloroethoxy)methane	94	U
111-44-4	bis(2-Chloroethyl)ether	94	U
108-60-1	bis(2-Chloroisopropyl)ether	94	U
117-81-7	bis(2-Ethylhexyl)phthalate	94	U
101-55-3	4-Bromophenylphenylether	94	U
85-68-7	Butylbenzylphthalate	94	U
106-47-8	4-Chloroaniline	94	U
59-50-7	4-Chloro-3-methylphenol	94	U
91-58-7	2-Chloronaphthalene	94	U
95-57-8	2-Chlorophenol	94	U
7005-72-3	4-Chlorophenylphenylether	94	U
218-01-9	Chrysene	94	U
53-70-3	Dibenzo(a,h)anthracene	94	U
132-64-9	Dibenzofuran	94	U
84-74-2	di-n-Butylphthalate	94	U
91-94-1	3,3'-Dichlorobenzidine	94	U
120-83-2	2,4-Dichlorophenol	94	U
84-66-2	Diethylphthalate	94	U
105-67-9	2,4-Dimethylphenol	94	U
131-11-3	Dimethylphthalate	94	U
534-52-1	2-Methyl-4,6-dinitrophenol	240	U
51-28-5	2,4-Dinitrophenol	240	U
121-14-2	2,4-Dinitrotoluene	94	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61867.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	94	U
117-84-0	di-n-Octylphthalate	94	U
206-44-0	Fluoranthene	94	U
86-73-7	Fluorene	94	U
118-74-1	Hexachlorobenzene	94	U
87-68-3	Hexachlorobutadiene	94	U
77-47-4	Hexachlorocyclopentadiene	220	U
67-72-1	Hexachloroethane	94	U
193-39-5	Indeno(1,2,3-c,d)pyrene	94	U
78-59-1	Isophorone	94	U
91-57-6	2-Methylnaphthalene	94	U
95-48-7	2-Methylphenol	94	U
106-44-5	4-Methylphenol	94	U
91-20-3	Naphthalene	94	U
88-74-4	2-Nitroaniline	240	U
99-09-2	3-Nitroaniline	240	U
100-01-6	4-Nitroaniline	240	U
98-95-3	Nitrobenzene	94	U
88-75-5	2-Nitrophenol	94	U
100-02-7	4-Nitrophenol	240	U
86-30-6	N-Nitrosodiphenylamine	94	U
621-64-7	N-Nitroso-di-N-propylamine	94	U
87-86-5	Pentachlorophenol	240	U
85-01-8	Phenanthrene	94	U
108-95-2	Phenol	94	U
129-00-0	Pyrene	94	U
95-95-4	2,4,5-Trichlorophenol	94	U
88-06-2	2,4,6-Trichlorophenol	94	U
98-86-2	Acetophenone	94	U
1912-24-9	Atrazine	94	U
100-52-7	Benzaldehyde	94	U
92-52-4	Biphenyl	94	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61867.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	94	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61867.RR

Level: (low/med) LOW Date Samp/Recv: 07/27/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 19 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		2,3-DIHYDROMETHYL-1H-INDENE	10.18	25	J
2.		2,3-DIHYDRODIMETHYL-1H-INDEN	10.91	21	J
3.		UNKNOWN HYDROCARBON	11.10	38	J
4.		UNKNOWN CYCLOHEXENE DER.	11.50	28	J
5.		2,3-DIHYDROMETHYL-1H-INDENE	11.68	29	J
6.	83-33-0	2,3-DIHYDRO-1H-INDEN-1-ONE	12.13	49	JN
7.		UNKNOWN	12.33	24	J
8.		UNKNOWN	12.70	32	J
9.		UNKNOWN	12.95	33	J
10.		UNKNOWN	14.11	65	J
11.		UNKNOWN	14.31	40	J
12.		UNKNOWN	14.70	26	J
13.		TRIMETHYLNAPHTHALENE ISOMER	15.31	28	J
14.		TRIMETHYLNAPHTHALENE ISOMER	15.71	27	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.96	36	J
16.		METHYL-1,1'-BIPHENYL ISOMER	16.05	74	J
17.		UNKNOWN	16.68	19	J
18.		DIMETHYL-1,1'-BIPHENYL ISOME	17.00	33	J
19.		UNKNOWN	25.60	19	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61878.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61878.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61878.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61887.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	260000	U
108-95-2	Phenol	260000	U
111-44-4	bis(2-Chloroethyl)ether	260000	U
95-57-8	2-Chlorophenol	260000	U
95-48-7	2-Methylphenol	260000	U
108-60-1	bis(2-Chloroisopropyl)ether	260000	U
98-86-2	Acetophenone	260000	U
106-44-5	4-Methylphenol	260000	U
621-64-7	N-Nitroso-di-N-propylamine	260000	U
67-72-1	Hexachloroethane	260000	U
98-95-3	Nitrobenzene	260000	U
78-59-1	Isophorone	260000	U
88-75-5	2-Nitrophenol	260000	U
105-67-9	2,4-Dimethylphenol	260000	U
111-91-1	bis(2-Chloroethoxy)methane	260000	U
120-83-2	2,4-Dichlorophenol	260000	U
91-20-3	Naphthalene	57000	J
106-47-8	4-Chloroaniline	260000	U
87-68-3	Hexachlorobutadiene	260000	U
105-60-2	Caprolactam	260000	U
59-50-7	4-Chloro-3-methylphenol	260000	U
91-57-6	2-Methylnaphthalene	8000000	E
77-47-4	Hexachlorocyclopentadiene	260000	U
88-06-2	2,4,6-Trichlorophenol	260000	U
95-95-4	2,4,5-Trichlorophenol	260000	U
92-52-4	Biphenyl	260000	U
91-58-7	2-Chloronaphthalene	260000	U
88-74-4	2-Nitroaniline	630000	U
131-11-3	Dimethylphthalate	260000	U
208-96-8	Acenaphthylene	260000	U
606-20-2	2,6-Dinitrotoluene	260000	U
99-09-2	3-Nitroaniline	630000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61887.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	770000	
51-28-5	2,4-Dinitrophenol	630000	U
100-02-7	4-Nitrophenol	630000	U
132-64-9	Dibenzofuran	640000	
121-14-2	2,4-Dinitrotoluene	260000	U
84-66-2	Diethylphthalate	260000	U
7005-72-3	4-Chlorophenylphenylether	260000	U
86-73-7	Fluorene	960000	
100-01-6	4-Nitroaniline	630000	U
534-52-1	2-Methyl-4,6-dinitrophenol	630000	U
86-30-6	N-Nitrosodiphenylamine	260000	U
101-55-3	4-Bromophenylphenylether	260000	U
118-74-1	Hexachlorobenzene	260000	U
1912-24-9	Atrazine	260000	U
87-86-5	Pentachlorophenol	630000	U
85-01-8	Phenanthrene	2500000	E
120-12-7	Anthracene	260000	U
86-74-8	Carbazole	75000	J
84-74-2	di-n-Butylphthalate	260000	U
206-44-0	Fluoranthene	84000	J
129-00-0	Pyrene	140000	J
85-68-7	Butylbenzylphthalate	260000	U
91-94-1	3,3'-Dichlorobenzidine	260000	U
56-55-3	Benzo(a)anthracene	8900	J
218-01-9	Chrysene	13000	J
117-81-7	bis(2-Ethylhexyl)phthalate	33000	J
117-84-0	di-n-Octylphthalate	260000	U
205-99-2	Benzo(b)fluoranthene	260000	U
207-08-9	Benzo(k)fluoranthene	260000	U
50-32-8	Benzo(a)pyrene	260000	U
193-39-5	Indeno(1,2,3-c,d)pyrene	260000	U
53-70-3	Dibenzo(a,h)anthracene	260000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61887.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	260000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61887.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 23 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	4.31	430000	J
2.		UNKNOWN	5.38	500000	J
3.		UNKNOWN	6.01	460000	J
4.	1678-92-8	PROPYLCYCLOHEXANE	6.23	400000	JN
5.		UNKNOWN	6.46	390000	J
6.		UNKNOWN	6.73	770000	J
7.		UNKNOWN HYDROCARBON	8.28	720000	J
8.		DIETHYLBENZENE ISOMER	8.48	500000	J
9.		TETRAMETHYL BENZENE ISOMER	9.61	430000	J
10.		DECAHYDRO-2-METHYL-NAPHTHALE	9.80	570000	J
11.		UNKNOWN	10.91	510000	J
12.		UNKNOWN	11.30	450000	J
13.		UNKNOWN	11.50	610000	J
14.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.70	670000	J
15.	90-12-0	1-METHYLNAPHTHALENE	12.65	1200000	JN
16.		UNKNOWN	12.98	940000	J
17.		ETHYLNAPHTHALENE ISOMER	13.73	680000	J
18.		DIMETHYLNAPHTHALENE ISOMER	14.16	4300000	J
19.		UNKNOWN	14.75	530000	J
20.		TRIMETHYLNAPHTHALENE ISOMER	15.13	910000	J
21.		TRIMETHYLNAPHTHALENE ISOMER	15.63	1900000	J
22.		UNKNOWN	16.10	1700000	J
23.		UNKNOWN	19.51	420000	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606 D1

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606DL

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61930.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	5200000	U
108-95-2	Phenol	5200000	U
111-44-4	bis(2-Chloroethyl)ether	5200000	U
95-57-8	2-Chlorophenol	5200000	U
95-48-7	2-Methylphenol	5200000	U
108-60-1	bis(2-Chloroisopropyl)ether	5200000	U
98-86-2	Acetophenone	5200000	U
106-44-5	4-Methylphenol	5200000	U
621-64-7	N-Nitroso-di-N-propylamine	5200000	U
67-72-1	Hexachloroethane	5200000	U
98-95-3	Nitrobenzene	5200000	U
78-59-1	Isophorone	5200000	U
88-75-5	2-Nitrophenol	5200000	U
105-67-9	2,4-Dimethylphenol	5200000	U
111-91-1	bis(2-Chloroethoxy)methane	5200000	U
120-83-2	2,4-Dichlorophenol	5200000	U
91-20-3	Naphthalene	5200000	U
106-47-8	4-Chloroaniline	5200000	U
87-68-3	Hexachlorobutadiene	5200000	U
105-60-2	Caprolactam	5200000	U
59-50-7	4-Chloro-3-methylphenol	5200000	U
91-57-6	2-Methylnaphthalene	12000000	D
77-47-4	Hexachlorocyclopentadiene	5200000	U
88-06-2	2,4,6-Trichlorophenol	5200000	U
95-95-4	2,4,5-Trichlorophenol	5200000	U
92-52-4	Biphenyl	5200000	U
91-58-7	2-Chloronaphthalene	5200000	U
88-74-4	2-Nitroaniline	13000000	U
131-11-3	Dimethylphthalate	5200000	U
208-96-8	Acenaphthylene	5200000	U
606-20-2	2,6-Dinitrotoluene	5200000	U
99-09-2	3-Nitroaniline	13000000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606 D1

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606DL

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61930.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	880000	DJ
51-28-5	2,4-Dinitrophenol	13000000	U
100-02-7	4-Nitrophenol	13000000	U
132-64-9	Dibenzofuran	670000	DJ
121-14-2	2,4-Dinitrotoluene	5200000	U
84-66-2	Diethylphthalate	5200000	U
7005-72-3	4-Chlorophenylphenylether	5200000	U
86-73-7	Fluorene	1200000	DJ
100-01-6	4-Nitroaniline	13000000	U
534-52-1	2-Methyl-4,6-dinitrophenol	13000000	U
86-30-6	N-Nitrosodiphenylamine	5200000	U
101-55-3	4-Bromophenylphenylether	5200000	U
118-74-1	Hexachlorobenzene	5200000	U
1912-24-9	Atrazine	5200000	U
87-86-5	Pentachlorophenol	13000000	U
85-01-8	Phenanthrene	2900000	DJ
120-12-7	Anthracene	250000	DJ
86-74-8	Carbazole	5200000	U
84-74-2	di-n-Butylphthalate	5200000	U
206-44-0	Fluoranthene	5200000	U
129-00-0	Pyrene	160000	DJ
85-68-7	Butylbenzylphthalate	5200000	U
91-94-1	3,3'-Dichlorobenzidine	5200000	U
56-55-3	Benzo(a)anthracene	5200000	U
218-01-9	Chrysene	5200000	U
117-81-7	bis(2-Ethylhexyl)phthalate	5200000	U
117-84-0	di-n-Octylphthalate	5200000	U
205-99-2	Benzo(b)fluoranthene	5200000	U
207-08-9	Benzo(k)fluoranthene	5200000	U
50-32-8	Benzo(a)pyrene	5200000	U
193-39-5	Indeno(1,2,3-c,d)pyrene	5200000	U
53-70-3	Dibenzo(a,h)anthracene	5200000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

D77606 Dl

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606DL

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61930.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: ____

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(g,h,i)perylene	5200000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77606 Dl

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606DL

Sample wt/vol: 0.19 (g/mL) G Lab File ID: Z61930.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: 0.0 decanted: (Y/N) N Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: _____

Number TICs found: 23 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN BENZENE DER.	10.08	4000000	J
2.		UNKNOWN CYCLOHEXANE DER.	11.38	4200000	J
3.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.56	4400000	J
4.		UNKNOWN BENZENE DER.	12.01	3300000	J
5.	90-12-0	1-METHYLNAPHTHALENE	12.46	9600000	JN
6.		UNKNOWN	12.85	3900000	J
7.		ETHYLNAPHTHALENE ISOMER	13.58	5600000	J
8.		DIMETHYLNAPHTHALENE ISOMER	13.73	13000000	J
9.		DIMETHYLNAPHTHALENE ISOMER	13.93	11000000	J
10.		DIMETHYLNAPHTHALENE ISOMER	13.96	12000000	J
11.		DIMETHYLNAPHTHALENE ISOMER	14.18	8400000	J
12.	2027-17-0	2-(1-METHYLETHYL)NAPHTHALENE	14.96	4700000	JN
13.		TRIMETHYLNAPHTHALENE ISOMER	15.21	4500000	J
14.		TRIMETHYLNAPHTHALENE ISOMER	15.26	5000000	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.48	9400000	J
16.		TRIMETHYLNAPHTHALENE ISOMER	15.61	5600000	J
17.		METHYL-1,1'BIPHENYL ISOMER	15.95	6800000	J
18.		UNKNOWN	16.16	3200000	J
19.		UNKNOWN	16.30	9200000	J
20.		UNKNOWN	16.40	4900000	J
21.	529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	16.60	3900000	JN
22.		DIMETHYL-1,1'BIPHENYL ISOMER	16.90	4700000	J
23.		DIMETHYL-1,1'BIPHENYL ISOMER	17.11	3100000	J

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Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61879.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	18	J
208-96-8	Acenaphthylene	47	U
120-12-7	Anthracene	47	U
56-55-3	Benzo(a)anthracene	47	U
207-08-9	Benzo(k)fluoranthene	47	U
191-24-2	Benzo(g,h,i)perylene	47	U
50-32-8	Benzo(a)pyrene	47	U
65-85-0	Benzoic acid	240	U
100-51-6	Benzyl alcohol	47	U
111-91-1	bis(2-Chloroethoxy)methane	47	U
111-44-4	bis(2-Chloroethyl)ether	47	U
108-60-1	bis(2-Chloroisopropyl)ether	47	U
117-81-7	bis(2-Ethylhexyl)phthalate	47	U
101-55-3	4-Bromophenylphenylether	47	U
85-68-7	Butylbenzylphthalate	47	U
106-47-8	4-Chloroaniline	47	U
59-50-7	4-Chloro-3-methylphenol	47	U
91-58-7	2-Chloronaphthalene	47	U
95-57-8	2-Chlorophenol	47	U
7005-72-3	4-Chlorophenylphenylether	47	U
218-01-9	Chrysene	47	U
53-70-3	Dibenzo(a,h)anthracene	47	U
132-64-9	Dibenzofuran	47	U
84-74-2	di-n-Butylphthalate	47	U
91-94-1	3,3'-Dichlorobenzidine	47	U
120-83-2	2,4-Dichlorophenol	47	U
84-66-2	Diethylphthalate	47	U
105-67-9	2,4-Dimethylphenol	47	U
131-11-3	Dimethylphthalate	47	U
534-52-1	2-Methyl-4,6-dinitrophenol	120	U
51-28-5	2,4-Dinitrophenol	120	U
121-14-2	2,4-Dinitrotoluene	47	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61879.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	47	U
117-84-0	di-n-Octylphthalate	47	U
206-44-0	Fluoranthene	47	U
86-73-7	Fluorene	22	J
118-74-1	Hexachlorobenzene	47	U
87-68-3	Hexachlorobutadiene	47	U
77-47-4	Hexachlorocyclopentadiene	110	U
67-72-1	Hexachloroethane	47	U
193-39-5	Indeno(1,2,3-c,d)pyrene	47	U
78-59-1	Isophorone	47	U
91-57-6	2-Methylnaphthalene	330	
95-48-7	2-Methylphenol	47	U
106-44-5	4-Methylphenol	47	U
91-20-3	Naphthalene	47	U
88-74-4	2-Nitroaniline	120	U
99-09-2	3-Nitroaniline	120	U
100-01-6	4-Nitroaniline	120	U
98-95-3	Nitrobenzene	47	U
88-75-5	2-Nitrophenol	47	U
100-02-7	4-Nitrophenol	120	U
86-30-6	N-Nitrosodiphenylamine	47	U
621-64-7	N-Nitroso-di-N-propylamine	47	U
87-86-5	Pentachlorophenol	120	U
85-01-8	Phenanthrene	36	J
108-95-2	Phenol	47	U
129-00-0	Pyrene	47	U
95-95-4	2,4,5-Trichlorophenol	47	U
88-06-2	2,4,6-Trichlorophenol	47	U
98-86-2	Acetophenone	47	U
1912-24-9	Atrazine	47	U
100-52-7	Benzaldehyde	47	U
92-52-4	Biphenyl	47	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61879.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	47	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61879.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		TRIMETHYLBENZENE ISOMER	7.98	43	J
2.	496-11-7	INDANE	8.23	48	JN
3.		TETRAMETHYLBENZENE ISOMER	9.60	25	J
4.		2,3-DIHYDROMETHYL-1H-INDENE	9.96	26	J
5.		2,3-DIHYDROMETHYL-1H-INDENE	10.15	83	J
6.		2,3-DIHYDRODIDIMETHYL-1H-IND	11.45	38	J
7.		UNKNOWN	11.66	39	J
8.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.76	15	J
9.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.86	22	J
10.		2,3-DIHYDRODIMETHYL-1H-INDEN	12.13	34	J
11.		METHYLBENZOTHIOPHENE ISOMER	12.45	26	J
12.	90-12-0	1-METHYLNAPHTHALENE	12.58	290	JN
13.		UNKNOWN	12.66	22	J
14.		UNKNOWN	12.93	24	J
15.		DIMETHYLNAPHTHALENE ISOMER	14.01	160	J
16.		DIMETHYLNAPHTHALENE ISOMER	14.28	88	J
17.		UNKNOWN	14.66	18	J
18.		TRIMETHYLNAPHTHALENE ISOMER	15.05	44	J
19.		TRIMETHYLNAPHTHALENE ISOMER	15.70	50	J
20.	101-81-5	DIPHENYLMETHANE	16.08	37	JN
21.	529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	16.66	17	JN
22.		UNKNOWN PAH DER.	16.90	20	J
23.		DIMETHYLBIPHENYL ISOMER	16.96	36	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61879.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 27

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	DIMETHYLBIPHENYL ISOMER	17.05	17	J
25. 132-65-0	DIBENZOTHIOPHENE	17.35	15	JN
26.	UNKNOWN PAH DER.	18.33	17	J
27.	UNKNOWN PAH DER.	18.36	17	J

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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61928.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61928.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

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Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61928.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

NYS DEC
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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77608

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724608

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61928.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 8 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	13.96	3	J
2.		DIMETHYLNAPHTHALENE ISOMER	14.18	2	J
3.		TRIMETHYLNAPHTHALENE ISOMER	15.43	3	J
4.		UNKNOWN BIPHENYL DER.	15.95	5	J
5.		UNKNOWN	16.41	3	J
6.		DIMETHYLBIPHENYL ISOMER	16.90	3	J
7.		UNKNOWN ACID	19.73	42	J
8.	123-95-5	OCTADECANOIC ACID.BUTYL ESTR	20.71	39	JN

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61881.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	38	
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	13	
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
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Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61881.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	8	J
86-73-7	Fluorene	50	
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	94	E
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	120	E
108-95-2	Phenol	9	U
129-00-0	Pyrene	8	J
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

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Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61881.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61881.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 22 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	6.01	16	J
2.		UNKNOWN CYCLOHEXANE DER.	6.23	14	J
3.		UNKNOWN	6.45	16	J
4.		UNKNOWN	6.73	29	J
5.		TRIMETHYLBENZENE ISOMER	7.46	30	J
6.		ETHYLDIMETHYLCYCLOHEXANE ISO	8.41	16	J
7.		UNKNOWN	8.50	27	J
8.		UNKNOWN	8.71	73	J
9.	99-87-6	1-METHYL-4-(1-METHYLETHYL)BE	9.61	19	JN
10.		DECAHYDRO-2-METHYLNAPHTHALEE	9.80	22	J
11.		2,3-DIHYDRODIMETHYL-1H-INDEN	10.93	23	J
12.		UNKNOWN	11.35	20	J
13.		UNKNOWN	11.53	26	J
14.	90-12-0	1-METHYLNAPHTHALENE	12.65	31	JN
15.		UNKNOWN	13.03	14	J
16.		UNKNOWN PAH DER.	16.16	14	J
17.		UNKNOWN PAH DER.	19.55	17	J
18.		UNKNOWN PAH DER.	19.81	37	J
19.		UNKNOWN PAH DER.	19.88	16	J
20.	123-95-5	OCTADECANOIC ACID,BUTYL ESTR	20.78	20	JN
21.		UNKNOWN	24.96	25	J
22.		UNKNOWN	26.80	13	J

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Client No.

D77609 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61929.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	48	DJ
208-96-8	Acenaphthylene	94	U
120-12-7	Anthracene	94	U
56-55-3	Benzo(a)anthracene	94	U
207-08-9	Benzo(k)fluoranthene	94	U
191-24-2	Benzo(g,h,i)perylene	94	U
50-32-8	Benzo(a)pyrene	94	U
65-85-0	Benzoic acid	470	U
100-51-6	Benzyl alcohol	94	U
111-91-1	bis(2-Chloroethoxy)methane	94	U
111-44-4	bis(2-Chloroethyl)ether	94	U
108-60-1	bis(2-Chloroisopropyl)ether	94	U
117-81-7	bis(2-Ethylhexyl)phthalate	94	U
101-55-3	4-Bromophenylphenylether	94	U
85-68-7	Butylbenzylphthalate	94	U
106-47-8	4-Chloroaniline	94	U
59-50-7	4-Chloro-3-methylphenol	94	U
91-58-7	2-Chloronaphthalene	94	U
95-57-8	2-Chlorophenol	94	U
7005-72-3	4-Chlorophenylphenylether	94	U
218-01-9	Chrysene	94	U
53-70-3	Dibenzo(a,h)anthracene	94	U
132-64-9	Dibenzofuran	42	DJ
84-74-2	di-n-Butylphthalate	94	U
91-94-1	3,3'-Dichlorobenzidine	94	U
120-83-2	2,4-Dichlorophenol	94	U
84-66-2	Diethylphthalate	94	U
105-67-9	2,4-Dimethylphenol	94	U
131-11-3	Dimethylphthalate	94	U
534-52-1	2-Methyl-4,6-dinitrophenol	240	U
51-28-5	2,4-Dinitrophenol	240	U
121-14-2	2,4-Dinitrotoluene	94	U

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ANALYSIS DATA SHEET

Client No.

D77609 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61929.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	94	U
117-84-0	di-n-Octylphthalate	94	U
206-44-0	Fluoranthene	94	U
86-73-7	Fluorene	79	DJ
118-74-1	Hexachlorobenzene	94	U
87-68-3	Hexachlorobutadiene	94	U
77-47-4	Hexachlorocyclopentadiene	220	U
67-72-1	Hexachloroethane	94	U
193-39-5	Indeno(1,2,3-c,d)pyrene	94	U
78-59-1	Isophorone	94	U
91-57-6	2-Methylnaphthalene	150	D
95-48-7	2-Methylphenol	94	U
106-44-5	4-Methylphenol	94	U
91-20-3	Naphthalene	94	U
88-74-4	2-Nitroaniline	240	U
99-09-2	3-Nitroaniline	240	U
100-01-6	4-Nitroaniline	240	U
98-95-3	Nitrobenzene	94	U
88-75-5	2-Nitrophenol	94	U
100-02-7	4-Nitrophenol	240	U
86-30-6	N-Nitrosodiphenylamine	94	U
621-64-7	N-Nitroso-di-N-propylamine	94	U
87-86-5	Pentachlorophenol	240	U
85-01-8	Phenanthrene	180	D
108-95-2	Phenol	94	U
129-00-0	Pyrene	17	DJ
95-95-4	2,4,5-Trichlorophenol	94	U
88-06-2	2,4,6-Trichlorophenol	94	U
98-86-2	Acetophenone	94	U
1912-24-9	Atrazine	94	U
100-52-7	Benzaldehyde	94	U
92-52-4	Biphenyl	94	U

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ANALYSIS DATA SHEET

Client No.

D77609 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61929.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	94	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61929.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 25 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN CYCLOHEXANE DER.	11.38	160	J
2.		2,3-DIHYDRODIMETHYL-1H-INDEN	11.58	200	J
3.	90-12-0	1-METHYLNAPHTHALENE	12.48	260	JN
4.		UNKNOWN	12.58	140	J
5.		UNKNOWN	12.85	260	J
6.		ETHYLNAPHTHALENE ISOMER	13.58	180	J
7.		DIMETHYLNAPHTHALENE ISOMER	13.75	540	J
8.		DIMETHYLNAPHTHALENE ISOMER	13.95	550	J
9.		DIMETHYLNAPHTHALENE ISOMER	14.00	490	J
10.		DIMETHYLNAPHTHALENE ISOMER	14.20	440	J
11.		UNKNOWN	14.60	220	J
12.		2-(1-METHYLETHYL)NAPHTHALENE	15.00	190	J
13.		TRIMETHYLNAPHTHALENE ISOMER	15.23	220	J
14.		TRIMETHYLNAPHTHALENE ISOMER	15.30	270	J
15.		TRIMETHYLNAPHTHALENE ISOMER	15.50	560	J
16.		TRIMETHYLNAPHTHALENE ISOMER	15.63	340	J
17.		METHYL-1,1'-BIPHENYL ISOMER	15.96	390	J
18.		DIMETHYL-1,1'-BIPHENYL ISOME	16.18	190	J
19.		UNKNOWN	16.41	270	J
20.	529-05-5	7-ETHYL-1,4-DIMETHYL-AZULENE	16.61	150	JN
21.		DIMETHYL-1,1'-BIPHENYL ISOME	16.91	280	J
22.		DIMETHYL-1,1'-BIPHENYL ISOME	17.13	150	J
23.		UNKNOWN PAH DER.	18.26	160	J

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77609 DL

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724609DL

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61929.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/11/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 25

CAS NO.	Compound Name	RT	Est. Conc.	Q
24.	UNKNOWN PAH DER.	18.30	200	J
25.	UNKNOWN PAH DER.	18.46	200	J

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ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61882.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	94	U
208-96-8	Acenaphthylene	94	U
120-12-7	Anthracene	94	U
56-55-3	Benzo(a)anthracene	94	U
207-08-9	Benzo(k)fluoranthene	94	U
191-24-2	Benzo(g,h,i)perylene	94	U
50-32-8	Benzo(a)pyrene	94	U
65-85-0	Benzoic acid	470	U
100-51-6	Benzyl alcohol	94	U
111-91-1	bis(2-Chloroethoxy)methane	94	U
111-44-4	bis(2-Chloroethyl)ether	94	U
108-60-1	bis(2-Chloroisopropyl)ether	94	U
117-81-7	bis(2-Ethylhexyl)phthalate	94	U
101-55-3	4-Bromophenylphenylether	94	U
85-68-7	Butylbenzylphthalate	94	U
106-47-8	4-Chloroaniline	94	U
59-50-7	4-Chloro-3-methylphenol	94	U
91-58-7	2-Chloronaphthalene	94	U
95-57-8	2-Chlorophenol	94	U
7005-72-3	4-Chlorophenylphenylether	94	U
218-01-9	Chrysene	94	U
53-70-3	Dibenzo(a,h)anthracene	94	U
132-64-9	Dibenzofuran	94	U
84-74-2	di-n-Butylphthalate	94	U
91-94-1	3,3'-Dichlorobenzidine	94	U
120-83-2	2,4-Dichlorophenol	94	U
84-66-2	Diethylphthalate	94	U
105-67-9	2,4-Dimethylphenol	94	U
131-11-3	Dimethylphthalate	94	U
534-52-1	2-Methyl-4,6-dinitrophenol	240	U
51-28-5	2,4-Dinitrophenol	240	U
121-14-2	2,4-Dinitrotoluene	94	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61882.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	94	U
117-84-0	di-n-Octylphthalate	94	U
206-44-0	Fluoranthene	94	U
86-73-7	Fluorene	94	U
118-74-1	Hexachlorobenzene	94	U
87-68-3	Hexachlorobutadiene	94	U
77-47-4	Hexachlorocyclopentadiene	220	U
67-72-1	Hexachloroethane	94	U
193-39-5	Indeno(1,2,3-c,d)pyrene	94	U
78-59-1	Isophorone	94	U
91-57-6	2-Methylnaphthalene	27	J
95-48-7	2-Methylphenol	94	U
106-44-5	4-Methylphenol	94	U
91-20-3	Naphthalene	94	U
88-74-4	2-Nitroaniline	240	U
99-09-2	3-Nitroaniline	240	U
100-01-6	4-Nitroaniline	240	U
98-95-3	Nitrobenzene	94	U
88-75-5	2-Nitrophenol	94	U
100-02-7	4-Nitrophenol	240	U
86-30-6	N-Nitrosodiphenylamine	94	U
621-64-7	N-Nitroso-di-N-propylamine	94	U
87-86-5	Pentachlorophenol	240	U
85-01-8	Phenanthrene	94	U
108-95-2	Phenol	94	U
129-00-0	Pyrene	94	U
95-95-4	2,4,5-Trichlorophenol	94	U
88-06-2	2,4,6-Trichlorophenol	94	U
98-86-2	Acetophenone	94	U
1912-24-9	Atrazine	94	U
100-52-7	Benzaldehyde	94	U
92-52-4	Biphenyl	94	U

NYS DEC
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ANALYSIS DATA SHEET

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61882.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	94	U

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TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77610

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724610

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61882.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 90-12-0	1-METHYLNAPHTHALENE	12.56	20	JN
2.	UNKNOWN	24.25	480	J
3.	UNKNOWN	27.88	690	J

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ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61883.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	9	U
208-96-8	Acenaphthylene	9	U
120-12-7	Anthracene	9	U
56-55-3	Benzo(a)anthracene	9	U
207-08-9	Benzo(k)fluoranthene	9	U
191-24-2	Benzo(g,h,i)perylene	9	U
50-32-8	Benzo(a)pyrene	9	U
65-85-0	Benzoic acid	47	U
100-51-6	Benzyl alcohol	9	U
111-91-1	bis(2-Chloroethoxy)methane	9	U
111-44-4	bis(2-Chloroethyl)ether	9	U
108-60-1	bis(2-Chloroisopropyl)ether	9	U
117-81-7	bis(2-Ethylhexyl)phthalate	9	U
101-55-3	4-Bromophenylphenylether	9	U
85-68-7	Butylbenzylphthalate	9	U
106-47-8	4-Chloroaniline	9	U
59-50-7	4-Chloro-3-methylphenol	9	U
91-58-7	2-Chloronaphthalene	9	U
95-57-8	2-Chlorophenol	9	U
7005-72-3	4-Chlorophenylphenylether	9	U
218-01-9	Chrysene	9	U
53-70-3	Dibenzo(a,h)anthracene	9	U
132-64-9	Dibenzofuran	9	U
84-74-2	di-n-Butylphthalate	9	U
91-94-1	3,3'-Dichlorobenzidine	9	U
120-83-2	2,4-Dichlorophenol	9	U
84-66-2	Diethylphthalate	9	U
105-67-9	2,4-Dimethylphenol	9	U
131-11-3	Dimethylphthalate	9	U
534-52-1	2-Methyl-4,6-dinitrophenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9	U

NYS DEC
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Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61883.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
606-20-2	2,6-Dinitrotoluene	9	U
117-84-0	di-n-Octylphthalate	9	U
206-44-0	Fluoranthene	9	U
86-73-7	Fluorene	9	U
118-74-1	Hexachlorobenzene	9	U
87-68-3	Hexachlorobutadiene	9	U
77-47-4	Hexachlorocyclopentadiene	22	U
67-72-1	Hexachloroethane	9	U
193-39-5	Indeno(1,2,3-c,d)pyrene	9	U
78-59-1	Isophorone	9	U
91-57-6	2-Methylnaphthalene	9	U
95-48-7	2-Methylphenol	9	U
106-44-5	4-Methylphenol	9	U
91-20-3	Naphthalene	9	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9	U
88-75-5	2-Nitrophenol	9	U
100-02-7	4-Nitrophenol	24	U
86-30-6	N-Nitrosodiphenylamine	9	U
621-64-7	N-Nitroso-di-N-propylamine	9	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9	U
108-95-2	Phenol	9	U
129-00-0	Pyrene	9	U
95-95-4	2,4,5-Trichlorophenol	9	U
88-06-2	2,4,6-Trichlorophenol	9	U
98-86-2	Acetophenone	9	U
1912-24-9	Atrazine	9	U
100-52-7	Benzaldehyde	9	U
92-52-4	Biphenyl	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61883.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
105-60-2	Caprolactam	9	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8270 - TCL SEMI-VOLATILE ORGANICS
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

D77611

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724611

Sample wt/vol: 1060.0 (g/mL) ML Lab File ID: Z61883.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2004 07/30/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 08/02/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/06/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN ACID	19.78	15	J
2.		UNKNOWN ACID	20.26	12	J
3.	123-95-5	OCTADECANOIC ACID,BUTYL ESTR	20.78	13	JN
4.		UNKNOWN	21.21	8	J
5.		UNKNOWN ACID	22.31	3	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 NYSDOH 310.13 - PETROLEUM PRODUCTS-S
ANALYSIS DATA SHEET

Client No.: D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.17 (g/mL) G Lab File ID: 24A06163.TX0

% Moisture: 0.0 decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 08/03/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 08/16/2004

Injection Volume: 1.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/G	Q
	Fuel Oil #2	35000	U
	Fuel Oil #4	1200000	
	Fuel Oil #6	35000	U
	Gasoline	35000	U
	Kerosene	35000	U
	Motor Oil	35000	U
	Other-1	35000	U

NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

116/2087

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 18B20085.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/27/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/04/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I (Alpha)	0.10	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II (Beta)	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.20	U
5103-71-9	Chlordane (alpha & gamma)	0.050	U
5103-74-2	Chlordane (alpha & gamma)	0.050	U
8001-35-2	Toxaphene	1.0	U

NYS DEC

NYS DEC ASP CONTRACT #C004154 - REGION 8

NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES

ANALYSIS DATA SHEET

117/2087

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 18B20088.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/27/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/04/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.047	U
58-89-9	gamma-BHC (Lindane)	0.047	U
76-44-8	Heptachlor	0.047	U
309-00-2	Aldrin	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I (Alpha)	0.094	U
60-57-1	Dieldrin	0.094	U
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.094	U
33213-65-9	Endosulfan II (Beta)	0.094	U
72-54-8	4,4'-DDD	0.094	U
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.094	U
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.19	U
5103-71-9	Chlordane (alpha & gamma)	0.047	U
5103-74-2	Chlordane (alpha & gamma)	0.047	U
8001-35-2	Toxaphene	0.94	U

NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES
ANALYSIS DATA SHEET

118/2087

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 18B20089.TX0

% Moisture:_____ decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/04/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.050	
58-89-9	gamma-BHC (Lindane)	0.047	U
76-44-8	Heptachlor	0.047	U
309-00-2	Aldrin	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I (Alpha)	0.094	U
60-57-1	Dieldrin	0.026	J
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.038	J
33213-65-9	Endosulfan II (Beta)	0.094	U
72-54-8	4,4'-DDD	0.028	J
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.043	J
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.19	U
5103-71-9	Chlordane (alpha & gamma)	0.047	U
5103-74-2	Chlordane (alpha & gamma)	0.047	U
8001-35-2	Toxaphene	0.94	U

NYS DEC

NYS DEC ASP CONTRACT #C004154 - REGION 8

NYSDEC - AQUEOUS-ASP 2000- METHOD 8081 PESTICIDES

ANALYSIS DATA SHEET

119/2087

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 18B20090.TX0

% Moisture:_____ decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/05/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.047	U
319-85-7	beta-BHC	0.047	U
319-86-8	delta-BHC	0.047	
58-89-9	gamma-BHC (Lindane)	0.084	
76-44-8	Heptachlor	0.14	
309-00-2	Aldrin	0.047	U
1024-57-3	Heptachlor epoxide	0.047	U
959-98-8	Endosulfan I (Alpha)	0.094	U
60-57-1	Dieldrin	0.094	U
72-55-9	4,4'-DDE	0.094	U
72-20-8	Endrin	0.094	U
33213-65-9	Endosulfan II (Beta)	0.094	U
72-54-8	4,4'-DDD	0.094	U
1031-07-8	Endosulfan sulfate	0.094	U
50-29-3	4,4'-DDT	0.094	U
72-43-5	Methoxychlor	0.47	U
53494-70-5	Endrin ketone	0.094	U
7421-93-4	Endrin aldehyde	0.19	U
5103-71-9	Chlordane (alpha & gamma)	0.058	
5103-74-2	Chlordane (alpha & gamma)	0.047	U
8001-35-2	Toxaphene	0.94	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

Client No.

D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724601

Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: 12B19010.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/27/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

Client No.

D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724602

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12B19013.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/27/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

Client No.

D77604

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724604

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12B19014.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/27/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.32	J

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

Client No.

D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724605

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12B19015.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC-ASP00 8082 - POLYCHLORINATED BIPHENYLS(OIL)
ANALYSIS DATA SHEET

Client No.

D77606

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) SOIL Lab Sample ID: A4724606

Sample wt/vol: 0.59 (g/mL) G Lab File ID: 12B19052.TX0

% Moisture: 0.0 decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): ____ Date Extracted: 08/03/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/04/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
12674-11-2	PCB-1016	0.85	U
11104-28-2	PCB-1221	0.85	U
11141-16-5	PCB-1232	0.85	U
53469-21-9	PCB-1242	0.85	U
12672-29-6	PCB-1248	0.85	U
11097-69-1	PCB-1254	0.85	U
11096-82-5	PCB-1260	0.85	U
----------	Total Polychlorinated Biphenyls	0.85	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 8
NYSDEC - ASP00 8082 - POLYCHLORINATED BIPHENYLS -W
ANALYSIS DATA SHEET

Client No.

D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix: (soil/water) WATER Lab Sample ID: A4724607

Sample wt/vol: 1060.00 (g/mL) ML Lab File ID: 12B19016.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 07/28/2004 07/30/2004

Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 08/02/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 08/03/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.00 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	PCB-1016	0.50	U
11104-28-2	PCB-1221	0.50	U
11141-16-5	PCB-1232	0.50	U
53469-21-9	PCB-1242	0.50	U
12672-29-6	PCB-1248	0.50	U
11097-69-1	PCB-1254	0.50	U
11096-82-5	PCB-1260	0.50	U

STL BUFFALO

NYS DEC

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77601

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07527

Matrix (soil/water): WATER Lab Sample ID: AD439982

Level (low/med): LOW Date Received: 7/30/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.9	U		P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	2.1	U		P
7440-39-3	Barium	177	B		P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	0.35	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	0.93	U		P
7440-50-8	Copper	1.4	U		P
7439-89-6	Iron	2080			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	25000			P
7439-96-5	Manganese	370			P
7440-02-0	Nickel	1.4	U		P
7440-09-7	Potassium	3810	B	E	P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	1.2	U		P
7439-97-6	Mercury	0.085	U		CV
7440-23-5	Sodium	171000			P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	3.1	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77602

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07527

Matrix (soil/water): WATER Lab Sample ID: AD439986

Level (low/med): LOW Date Received: 7/30/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.9	U		P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	2.1	U		P
7440-39-3	Barium	50.8	B		P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	0.35	U		P
7440-70-2	Calcium	127000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	10.1	B		P
7440-50-8	Copper	1.4	U		P
7439-89-6	Iron	317			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	32200			P
7439-96-5	Manganese	192			P
7440-02-0	Nickel	8.1	B		P
7440-09-7	Potassium	7670		E	P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	1.2	U		P
7439-97-6	Mercury	0.085	U		CV
7440-23-5	Sodium	72900			P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	11.7	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77605

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07527

Matrix (soil/water): WATER Lab Sample ID: AD439987

Level (low/med): LOW Date Received: 7/30/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	140	B		P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	2.1	U		P
7440-39-3	Barium	86.6	B		P
7440-41-7	Beryllium	0.24	U		P
7440-43-9	Cadmium	2.0	B		P
7440-70-2	Calcium	143000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	0.93	U		P
7440-50-8	Copper	1.4	U		P
7439-89-6	Iron	2590			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	20400			P
7439-96-5	Manganese	198			P
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	4830	B	E	P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	1.2	U		P
7439-97-6	Mercury	0.085	U		CV
7440-23-5	Sodium	25700			P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	17.9	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D77607

Contract: NY00-096

Lab Code: STLBFLO Case No.: RH804 SAS No.: SDG NO.: 07527

Matrix (soil/water): WATER Lab Sample ID: AD439988

Level (low/med): LOW Date Received: 7/30/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	69.4	B		P
7440-36-0	Antimony	3.7	U		P
7440-38-2	Arsenic	2.1	U		P
7440-39-3	Barium	146	B		P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	0.35	U		P
7440-70-2	Calcium	176000			P
7440-47-3	Chromium	1.2	U		P
7440-48-4	Cobalt	0.93	U		P
7440-50-8	Copper	1.4	U		P
7439-89-6	Iron	6970			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	33800			P
7439-96-5	Manganese	276			P
7440-02-0	Nickel	1.4	U		P
7440-09-7	Potassium	4410	B	E	P
7782-49-2	Selenium	4.8	U		P
7440-22-4	Silver	1.2	U		P
7439-97-6	Mercury	0.085	U		CV
7440-23-5	Sodium	13000			P
7440-28-0	Thallium	4.8	U		P
7440-62-2	Vanadium	1.1	U		P
7440-66-6	Zinc	10.5	B		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: NONE

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77601

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix (soil/water): WATER Lab Sample ID: A4724601

% Solids: 0.0 Date Samp/Recv: 07/27/2004 07/30/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	40.0	U			9012	08/05/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77602

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix (soil/water): WATER Lab Sample ID: A4724602

% Solids: 0.0 Date Samp/Recv: 07/27/2004 07/30/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	40.0	U			9012	08/05/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77605

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix (soil/water): WATER Lab Sample ID: A4724605

% Solids: 0.0 Date Samp/Recv: 07/28/2004 07/30/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	40.0	U			9012	08/05/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 8
Wet Chemistry Analysis

Client Sample No.: D77607

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: RH804 SAS No.: _____ SDG No.: 07527

Matrix (soil/water): WATER Lab Sample ID: A4724607

% Solids: 0.0 Date Samp/Recv: 07/28/2004 07/30/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Cyanide - Total	UG/L	40.0	U			9012	08/05/2004

Comments:

Soil Samples

GP-23, GP-25, GP-27, GP-28, and GP-29

ANALYTICAL REPORT

Job#: A05-D577

STL Project#: NY5A946108
Site Name: NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
Task: NYSDEC - Manchester Round House: Site #835018

Mr. Greg MacLean
New York State D.E.C. Region 8
6274 East Avon-Lima Road
Avon, NY 14414

STL Buffalo

Brian J. Fischer
Project Manager

12/28/2005

STL Buffalo
Current Certifications

As of 12/28/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

Sample Data Summary Package

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5D57701	GP-23 11	SOIL	11/29/2005	11:45	11/30/2005	12:30
A5D57702	GP-25 11	SOIL	11/29/2005	13:00	11/30/2005	12:30
A5D57703	GP-27 9	SOIL	11/29/2005	14:30	11/30/2005	12:30
A5D57703MS	GP-27 9	SOIL	11/29/2005	14:30	11/30/2005	12:30
A5D57703SD	GP-27 9	SOIL	11/29/2005	14:30	11/30/2005	12:30
A5D57704	GP-28 11	SOIL	11/29/2005	15:15	11/30/2005	12:30
A5D57705	GP-29 10	SOIL	11/29/2005	15:45	11/30/2005	12:30

METHODS SUMMARY

Job#: A05-D577

STL Project#: NY5A946108
Site Name: NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT

PARAMETER	ANALYTICAL METHOD	
NYSDEC - AQUEOUS-ASP00/8260 VOLATILES	ASP00	8260
NYSDEC - SOIL-ASP00/8260 VOLATILES	ASP00	8260
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S	ASP00	8270
Leachable pH	ASP00	9045

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A05-D577

STL Project#: NY5A946108
Site Name: NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D577
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The analyte Acetone was detected in the Method Blank VBLK22 (A5B1871302) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

Sample GP-27 9, GP-27 9MS, and GP-27 9MSD were analyzed using medium level techniques due to high concentrations of target analytes.

The Volatile Holding Blank VHB (A5D57706) was not analyzed after all of the associated samples were analyzed as per CLP SOW.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl) phthalate was detected in the Method Blank SBLK06 (A5B1868802) at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery for 2,4-Dinitrotoluene was above the method defined quality control limits in the Matrix Spike Blank SMSB06 (A5B1868801). Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The internal standard recoveries for Chrysene-D12 were above method defined quality control limits in the samples GP-27 9 and Matrix Spike Duplicate GP-27 9. The parent sample GP-27 9 was re-analyzed at a dilution with compliant results. No further corrective action was taken.

The internal standard recovery for Perylene-D12 was above method defined quality control limits in the sample Matrix Spike Duplicate GP-27 9. Since no spiking compounds are associate with this internal standard, no corrective action was taken.

The surrogate recoveries for 2,4,6-Tribromophenol, 2-Fluorophenol, and Nitrobenzene-D5 were diluted out of range in sample GP-28 11 DL.

The spike recoveries for 2,4-Dinitrotoluene, Acenaphthene, and Pentachlorophenol exceeded the method defined quality control limits in the Matrix Spike and Matrix Spike Duplicate of sample GP-27 9. Since the Matrix Spike Blank recoveries were acceptable, no corrective action was required.

Sample GP-27 9 (A5D57703) exhibited results for target analytes which exceeded the linear calibration range. The sample matrix is a factor in the variable results between the original sample and the diluted analysis for compounds 2-Methylnaphthalene, Acenaphthalene, and Dibenzofuran.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."

Brian J. Fischer
Project Manager

12-28-05
Date

Date: 12/28/2005 Dilution Log w/Code Information
Time: 10:01:44 For Job A05-D577 Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
GP-27 9 DL	A5D57703DL	8270	20.00	008
GP-28 11	A5D57704	8270	20.00	008
GP-28 11 DL	A5D57704DL	8270	100.00	008
GP-29 10	A5D57705	8270	20.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
GP-23 11	A5D57701	ASP00	-	-	-	-	-	SW8463
GP-25 11	A5D57702	ASP00	-	-	-	-	-	SW8463
GP-27 9	A5D57703	ASP00	ASP00	-	-	-	-	ASP00
GP-28 11	A5D57704	ASP00	ASP00	-	-	-	-	ASP00
GP-29 10	A5D57705	ASP00	ASP00	-	-	-	-	ASP00

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
GP-23 11	SOIL	11/29/2005	11/30/2005	-	12/01/2005
GP-25 11	SOIL	11/29/2005	11/30/2005	-	12/01/2005
GP-27 9	SOIL	11/29/2005	11/30/2005	-	12/01/2005
GP-28 11	SOIL	11/29/2005	11/30/2005	-	12/01/2005
GP-29 10	SOIL	11/29/2005	11/30/2005	-	12/01/2005

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
B\N-A ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
GP-27 9	SOIL	11/29/2005	11/30/2005	12/02/2005	12/06/2005
GP-28 11	SOIL	11/29/2005	11/30/2005	12/02/2005	12/07/2005
GP-29 10	SOIL	11/29/2005	11/30/2005	12/02/2005	12/07/2005

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
GP-23 11	SOIL	ASP00	-	AS REQUIRED	AS REQUIRED
GP-25 11	SOIL	ASP00	-	AS REQUIRED	AS REQUIRED
GP-27 9	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
GP-28 11	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED
GP-29 10	SOIL	ASP00	SONC	AS REQUIRED	AS REQUIRED

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
GP-23 11	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED
GP-25 11	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED
GP-27 9	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED
GP-28 11	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED
GP-29 10	SOIL	SW8463	SW8463	AS REQUIRED	AS REQUIRED

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D577	SDG/Case	
File ID	W06920	Lab ID	A5D57703
Date	12/6/2005	Client ID	GP-27 9
Initial weight (g)	30.3200	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	86.3
Dilution Factor	1.00	GPC	N

1000
1
0.863

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
5.39	3-Methyl Nonane	4/6/5911	64.07	1224
5.47	Type 2		37.67	720
5.67	Type 2		58.01	1108
6.54	Type 2		226.47	4328
6.94	Type 2		85.28	1630
6.98	4-Methyl Decane		67.52	1290
8.56	Type 2		40	764
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	**A05-D577**		**SDG/Case**		
File ID	**W06931**		**Lab ID**		**A5D57703DL**
Date	**12/7/2005**		**Client ID**		**GP-27 9 DL**
Initial weight (g)	30.3200		Injection Volume (uL)		2.00
Final Volume (mL)	1		Dry Weight (%)		86.3
Dilution Factor	20.00		GPC		N

1000
1
0.863

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
6.33	2,6-Dimethyl Nonane	17302-28-2	24.49	9359
8.36	Type 2		44.62	17053
8.91	Type 2		44.93	17171
10.5	Hexadecane	544-76-3	208.26	79591
12.26	Type 2		74.62	28518
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D577	SDG/Case	
File ID	W06932	Lab ID	A5D57704
Date	12/7/2005	Client ID	GP-28 11

Initial weight (g)	30.8200	Injection Volume (uL)	2.00
Final Volume (mL)	1	Dry Weight (%)	95.83
Dilution Factor	20.00	GPC	N

1000
1
0.9583

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
6.33	4-Methyl Decane	2847-72-5	49.73	16838
6.91	3-Methyl Decane	13151-34-3	48.85	16540
8.36	Type 2		55.25	18707
8.91	Type 2		62.51	21165
10.5	2,7,10-Trimethyl Dodecane	74645-98-0	220.45	74641
12.27	2,6-Dimethyl Heptadecane	54105-67-8	63.77	21591
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D577		SDG/Case	
File ID	W06965		Lab ID	A5D57704DL
Date	12/9/2005		Client ID	GP-28 11 DL
Initial weight (g)	30.8200		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	95.83
Dilution Factor	100.00		GPC	N

1000
1
0.9583

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
8.31	Type 2		19.3	32673
8.85	Type 2		21.16	35822
10.43	Type 1		51.8	87693
11.82	Type 2		37.39	63298
12.21	Type 2		87.6	148300
				0
				0
				0

GC/MS Semivolatile Tentatively Identified Alkanes

Job:	A05-D577		SDG/Case	
File ID	W06933		Lab ID	A5D57705
Date	12/7/2005		Client ID	GP-29 10
Initial weight (g)	30.7800		Injection Volume (uL)	2.00
Final Volume (mL)	1		Dry Weight (%)	93.2
Dilution Factor	20.00		GPC	N

1000
1
0.932

Retention Time	Compound	CAS Number	Column Conc. (ng)	Estimated Concentration (ug/kg)
8.36	Type 2		40.4	14083
8.91	Type 2		41.29	14393
10.5	Type 2		136.6	47617
11.89	2,6,10-Trimethyl Pentadecane	3892-00-0	27	9412
12.27	2,6-Dimethyl Heptadecane	54105-67-8	61.31	21372
				0
				0
				0

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-23 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57701

Sample wt/vol: 5.68 (g/mL) G Lab File ID: Q9124.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	4	J
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-23 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57701

Sample wt/vol: 5.68 (g/mL) G Lab File ID: Q9124.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-69-4	Trichlorofluoromethane	10	U
79-20-9	Methyl acetate	10	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	10	U
110-82-7	Cyclohexane	10	U
108-87-2	Methylcyclohexane	10	U
106-93-4	1,2-Dibromoethane	10	U
98-82-8	Isopropylbenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-23 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57701

Sample wt/vol: 5.68 (g/mL) G Lab File ID: Q9124.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 12.0 Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.55	7	J
2. 110-54-3	HEXANE	4.01	8	JN

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-25 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57702

Sample wt/vol: 6.42 (g/mL) G Lab File ID: Q9129.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	8	U
74-83-9	Bromomethane	8	U
75-01-4	Vinyl chloride	8	U
75-00-3	Chloroethane	8	U
75-09-2	Methylene chloride	8	U
67-64-1	Acetone	2	BJ
75-15-0	Carbon Disulfide	8	U
75-35-4	1,1-Dichloroethene	8	U
75-34-3	1,1-Dichloroethane	8	U
67-66-3	Chloroform	8	U
107-06-2	1,2-Dichloroethane	8	U
78-93-3	2-Butanone	8	U
71-55-6	1,1,1-Trichloroethane	8	U
56-23-5	Carbon Tetrachloride	8	U
75-27-4	Bromodichloromethane	8	U
78-87-5	1,2-Dichloropropane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	8	U
79-00-5	1,1,2-Trichloroethane	8	U
71-43-2	Benzene	8	U
10061-02-6	trans-1,3-Dichloropropene	8	U
75-25-2	Bromoform	8	U
108-10-1	4-Methyl-2-pentanone	8	U
591-78-6	2-Hexanone	8	U
127-18-4	Tetrachloroethene	8	U
108-88-3	Toluene	8	U
79-34-5	1,1,2,2-Tetrachloroethane	8	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
100-42-5	Styrene	8	U
1330-20-7	Total Xylenes	8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	8	U
156-59-2	cis-1,2-Dichloroethene	4	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-25 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57702

Sample wt/vol: 6.42 (g/mL) G Lab File ID: Q9129.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	8	
75-71-8	Dichlorodifluoromethane	8	U
75-69-4	Trichlorofluoromethane	8	U
79-20-9	Methyl acetate	8	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	8	U
110-82-7	Cyclohexane	8	U
108-87-2	Methylcyclohexane	8	U
106-93-4	1,2-Dibromoethane	8	U
98-82-8	Isopropylbenzene	8	U
541-73-1	1,3-Dichlorobenzene	8	U
106-46-7	1,4-Dichlorobenzene	8	U
95-50-1	1,2-Dichlorobenzene	8	U
96-12-8	1,2-Dibromo-3-chloropropane	8	U
120-82-1	1,2,4-Trichlorobenzene	8	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-25 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57702

Sample wt/vol: 6.42 (g/mL) G Lab File ID: Q9129.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 8.8 Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 110-54-3	HEXANE	4.01	8	JN

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 6.48 (g/mL) G Lab File ID: Q9113.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 26 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl chloride	1000	U
75-00-3	Chloroethane	1000	U
75-09-2	Methylene chloride	1000	U
67-64-1	Acetone	1000	U
75-15-0	Carbon Disulfide	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-34-3	1,1-Dichloroethane	1000	U
67-66-3	Chloroform	1000	U
107-06-2	1,2-Dichloroethane	1000	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon Tetrachloride	1000	U
75-27-4	Bromodichloromethane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
79-01-6	Trichloroethene	1000	U
124-48-1	Dibromochloromethane	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
71-43-2	Benzene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
75-25-2	Bromoform	1000	U
108-10-1	4-Methyl-2-pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	1000	U
108-88-3	Toluene	1000	U
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
100-42-5	Styrene	1000	U
1330-20-7	Total Xylenes	1000	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1000	U
156-59-2	cis-1,2-Dichloroethene	1000	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 6.48 (g/mL) G Lab File ID: Q9113.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 26 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	1000	U
75-71-8	Dichlorodifluoromethane	1000	U
75-69-4	Trichlorofluoromethane	1000	U
79-20-9	Methyl acetate	1000	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1000	U
110-82-7	Cyclohexane	1000	U
108-87-2	Methylcyclohexane	1000	U
106-93-4	1,2-Dibromoethane	1000	U
98-82-8	Isopropylbenzene	520	J
541-73-1	1,3-Dichlorobenzene	1000	U
106-46-7	1,4-Dichlorobenzene	1000	U
95-50-1	1,2-Dichlorobenzene	1000	U
96-12-8	1,2-Dibromo-3-chloropropane	1000	U
120-82-1	1,2,4-Trichlorobenzene	1000	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 6.48 (g/mL) G Lab File ID: Q9113.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 25.9 Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DECAHYDRONAPHTHALENE DER.	10.81	7500	J
2.	TETRAMETHYLBENZENE ISOMER	11.42	7100	J
3.	AROMATIC DERIVATIVE	11.81	15000	J
4.	UNKNOWN	12.04	11000	J
5.	UNKNOWN	12.15	16000	J
6.	UNKNOWN	12.44	7300	J
7.	ALKYLSUBSTITUTED COMPOUND	12.54	7100	J
8.	ALKYLSUBSTITUTED COMPOUND	12.81	8700	J
9.	ALKYLSUBSTITUTED COMPOUND	12.94	8100	J
10.	METHYLNAPHTHALENE ISOMER	13.28	13000	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 6.06 (g/mL) G Lab File ID: Q9114.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 8 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	900	U
74-83-9	Bromomethane	900	U
75-01-4	Vinyl chloride	900	U
75-00-3	Chloroethane	900	U
75-09-2	Methylene chloride	900	U
67-64-1	Acetone	900	U
75-15-0	Carbon Disulfide	900	U
75-35-4	1,1-Dichloroethene	900	U
75-34-3	1,1-Dichloroethane	900	U
67-66-3	Chloroform	900	U
107-06-2	1,2-Dichloroethane	900	U
78-93-3	2-Butanone	900	U
71-55-6	1,1,1-Trichloroethane	900	U
56-23-5	Carbon Tetrachloride	900	U
75-27-4	Bromodichloromethane	900	U
78-87-5	1,2-Dichloropropane	900	U
10061-01-5	cis-1,3-Dichloropropene	900	U
79-01-6	Trichloroethene	900	U
124-48-1	Dibromochloromethane	900	U
79-00-5	1,1,2-Trichloroethane	900	U
71-43-2	Benzene	900	U
10061-02-6	trans-1,3-Dichloropropene	900	U
75-25-2	Bromoform	900	U
108-10-1	4-Methyl-2-pentanone	900	U
591-78-6	2-Hexanone	900	U
127-18-4	Tetrachloroethene	900	U
108-88-3	Toluene	900	U
79-34-5	1,1,2,2-Tetrachloroethane	900	U
108-90-7	Chlorobenzene	900	U
100-41-4	Ethylbenzene	900	U
100-42-5	Styrene	900	U
1330-20-7	Total Xylenes	900	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	900	U
156-59-2	cis-1,2-Dichloroethene	900	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 6.06 (g/mL) G Lab File ID: Q9114.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 8 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	900	U
75-71-8	Dichlorodifluoromethane	900	U
75-69-4	Trichlorofluoromethane	900	U
79-20-9	Methyl acetate	900	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	900	U
110-82-7	Cyclohexane	900	U
108-87-2	Methylcyclohexane	900	U
106-93-4	1,2-Dibromoethane	900	U
98-82-8	Isopropylbenzene	430	J
541-73-1	1,3-Dichlorobenzene	900	U
106-46-7	1,4-Dichlorobenzene	900	U
95-50-1	1,2-Dichlorobenzene	900	U
96-12-8	1,2-Dibromo-3-chloropropane	900	U
120-82-1	1,2,4-Trichlorobenzene	900	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 6.06 (g/mL) G Lab File ID: Q9114.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 8.5 Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	DECAHYDRONAPHTHALENE DER.	10.81	6500	J
2.	TETRAMETHYLBENZENE ISOMER	11.42	5800	J
3.	AROMATIC DERIVATIVE	11.81	12000	J
4.	UNKNOWN	12.04	9600	J
5.	UNKNOWN	12.15	14000	J
6.	UNKNOWN	12.44	6300	J
7.	UNKNOWN	12.75	5800	J
8.	ALKYLSUBSTITUTED COMPOUND	12.81	7400	J
9.	UNKNOWN	12.94	6600	J
10.	METHYLNAPHTHALENE ISOMER	13.28	11000	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.: GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 5.88 (g/mL) G Lab File ID: Q9115.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 11 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	950	U
74-83-9	Bromomethane	950	U
75-01-4	Vinyl chloride	950	U
75-00-3	Chloroethane	950	U
75-09-2	Methylene chloride	950	U
67-64-1	Acetone	950	U
75-15-0	Carbon Disulfide	950	U
75-35-4	1,1-Dichloroethene	950	U
75-34-3	1,1-Dichloroethane	950	U
67-66-3	Chloroform	950	U
107-06-2	1,2-Dichloroethane	950	U
78-93-3	2-Butanone	950	U
71-55-6	1,1,1-Trichloroethane	950	U
56-23-5	Carbon Tetrachloride	950	U
75-27-4	Bromodichloromethane	950	U
78-87-5	1,2-Dichloropropane	950	U
10061-01-5	cis-1,3-Dichloropropene	950	U
79-01-6	Trichloroethene	950	U
124-48-1	Dibromochloromethane	950	U
79-00-5	1,1,2-Trichloroethane	950	U
71-43-2	Benzene	270	J
10061-02-6	trans-1,3-Dichloropropene	950	U
75-25-2	Bromoform	950	U
108-10-1	4-Methyl-2-pentanone	950	U
591-78-6	2-Hexanone	950	U
127-18-4	Tetrachloroethene	950	U
108-88-3	Toluene	950	U
79-34-5	1,1,2,2-Tetrachloroethane	950	U
108-90-7	Chlorobenzene	950	U
100-41-4	Ethylbenzene	950	U
100-42-5	Styrene	950	U
1330-20-7	Total Xylenes	950	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	950	U
156-59-2	cis-1,2-Dichloroethene	950	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
ANALYSIS DATA SHEET

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 5.88 (g/mL) G Lab File ID: Q9115.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 11 Heated Purge: N Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
156-60-5	trans-1,2-Dichloroethene	950	U
75-71-8	Dichlorodifluoromethane	950	U
75-69-4	Trichlorofluoromethane	950	U
79-20-9	Methyl acetate	950	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	950	U
110-82-7	Cyclohexane	210	J
108-87-2	Methylcyclohexane	1600	
106-93-4	1,2-Dibromoethane	950	U
98-82-8	Isopropylbenzene	1000	
541-73-1	1,3-Dichlorobenzene	950	U
106-46-7	1,4-Dichlorobenzene	950	U
95-50-1	1,2-Dichlorobenzene	950	U
96-12-8	1,2-Dibromo-3-chloropropane	950	U
120-82-1	1,2,4-Trichlorobenzene	950	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - SOIL-ASP00/8260 VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 5.88 (g/mL) G Lab File ID: Q9115.RR

Level: (low/med) MED Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: not dec. 10.9 Date Analyzed: 12/01/2005

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	ALKYLBENZENE DERIVATIVE	11.10	13000	J
2.	AROMATIC DERIVATIVE	11.69	11000	J
3.	UNSATURATED HYDROCARBON	11.79	16000	J
4.	UNKNOWN	12.04	18000	J
5.	UNKNOWN	12.15	22000	J
6.	AROMATIC DERIVATIVE	12.54	12000	J
7.	UNKNOWN	12.68	13000	J
8.	AROMATIC DERIVATIVE	12.81	15000	J
9.	METHYLNAPHTHALENE ISOMER	13.13	30000	J
10.	METHYLNAPHTHALENE ISOMER	13.29	20000	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06920.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	380	U
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	380	U
98-86-2	Acetophenone	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy) methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
105-60-2	Caprolactam	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	24000	E
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
92-52-4	Biphenyl	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	920	U
131-11-3	Dimethyl phthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	920	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06920.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	4600	E
51-28-5	2,4-Dinitrophenol	920	U
100-02-7	4-Nitrophenol	920	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethyl phthalate	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
86-73-7	Fluorene	5900	E
100-01-6	4-Nitroaniline	920	U
534-52-1	4,6-Dinitro-2-methylphenol	920	U
86-30-6	N-nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
118-74-1	Hexachlorobenzene	380	U
1912-24-9	Atrazine	380	U
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	14000	E
120-12-7	Anthracene	2600	
86-74-8	Carbazole	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	Fluoranthene	830	
129-00-0	Pyrene	640	
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U
56-55-3	Benzo(a)anthracene	82	J
218-01-9	Chrysene	92	J
117-81-7	Bis(2-ethylhexyl) phthalate	210	BJ
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	60	J
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	30	J
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenzo(a,h)anthracene	380	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06920.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(ghi)perylene	11	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06920.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 13.7 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/06/2005

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 8.3

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	5.23	520	J
2.		UNKNOWN HYDROCARBON	5.76	1200	J
3.		UNKNOWN HYDROCARBON	5.89	520	J
4.		UNKNOWN HYDROCARBON	6.26	770	J
5.		UNKNOWN HYDROCARBON	6.60	1700	J
6.		UNKNOWN BENZENE DERIVATIVE	6.86	2100	J
7.		UNKNOWN HYDROCARBON	6.90	510	J
8.	493-02-7	TRANS-DECAHYDRO-NAPHTHALENE	7.03	3000	JN
9.		UNKNOWN HYDROCARBON	7.10	1800	J
10.		UNKNOWN	7.20	990	J
11.		UNKNOWN	7.23	1500	J
12.		UNKNOWN HYDROCARBON	7.38	600	J
13.		UNKNOWN	7.82	460	J
14.	824-22-6	2,3-DIHYDRO-4-METHYL-1H-INDE	7.98	520	JN
15.	832-69-9	1-METHYL PHENANTHRENE	13.78	760	JN
16.		UNKNOWN PAH DERIVATIVE	14.24	890	J
17.	35099-60-6	2-METHYL-3-PHENYL-1H-INDENE	14.31	450	JN
18.	3674-73-5	2,3,5-TRIMETHYL PHENANTHRENE	14.65	1600	JN
19.		UNKNOWN	17.39	920	J
20.		UNKNOWN	17.69	860	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703DL

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06931.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	7600	U
108-95-2	Phenol	7600	U
111-44-4	Bis(2-chloroethyl) ether	7600	U
95-57-8	2-Chlorophenol	7600	U
95-48-7	2-Methylphenol	7600	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	7600	U
98-86-2	Acetophenone	7600	U
106-44-5	4-Methylphenol	7600	U
621-64-7	N-Nitroso-Di-n-propylamine	7600	U
67-72-1	Hexachloroethane	7600	U
98-95-3	Nitrobenzene	7600	U
78-59-1	Isophorone	7600	U
88-75-5	2-Nitrophenol	7600	U
105-67-9	2,4-Dimethylphenol	7600	U
111-91-1	Bis(2-chloroethoxy) methane	7600	U
120-83-2	2,4-Dichlorophenol	7600	U
91-20-3	Naphthalene	7600	U
106-47-8	4-Chloroaniline	7600	U
87-68-3	Hexachlorobutadiene	7600	U
105-60-2	Caprolactam	7600	U
59-50-7	4-Chloro-3-methylphenol	7600	U
91-57-6	2-Methylnaphthalene	410	DJ
77-47-4	Hexachlorocyclopentadiene	7600	U
88-06-2	2,4,6-Trichlorophenol	7600	U
95-95-4	2,4,5-Trichlorophenol	7600	U
92-52-4	Biphenyl	7600	U
91-58-7	2-Chloronaphthalene	7600	U
88-74-4	2-Nitroaniline	18000	U
131-11-3	Dimethyl phthalate	7600	U
208-96-8	Acenaphthylene	1400	DJ
606-20-2	2,6-Dinitrotoluene	7600	U
99-09-2	3-Nitroaniline	18000	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703DL

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06931.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	4200	DJ
51-28-5	2,4-Dinitrophenol	18000	U
100-02-7	4-Nitrophenol	18000	U
132-64-9	Dibenzofuran	2900	DJ
121-14-2	2,4-Dinitrotoluene	7600	U
84-66-2	Diethyl phthalate	7600	U
7005-72-3	4-Chlorophenyl phenyl ether	7600	U
86-73-7	Fluorene	6600	DJ
100-01-6	4-Nitroaniline	18000	U
534-52-1	4,6-Dinitro-2-methylphenol	18000	U
86-30-6	N-nitrosodiphenylamine	7600	U
101-55-3	4-Bromophenyl phenyl ether	7600	U
118-74-1	Hexachlorobenzene	7600	U
1912-24-9	Atrazine	7600	U
87-86-5	Pentachlorophenol	18000	U
85-01-8	Phenanthrene	14000	D
120-12-7	Anthracene	2900	DJ
86-74-8	Carbazole	7600	U
84-74-2	Di-n-butyl phthalate	7600	U
206-44-0	Fluoranthene	590	DJ
129-00-0	Pyrene	1400	DJ
85-68-7	Butyl benzyl phthalate	7600	U
91-94-1	3,3'-Dichlorobenzidine	7600	U
56-55-3	Benzo(a)anthracene	7600	U
218-01-9	Chrysene	7600	U
117-81-7	Bis(2-ethylhexyl) phthalate	7600	U
117-84-0	Di-n-octyl phthalate	7600	U
205-99-2	Benzo(b)fluoranthene	7600	U
207-08-9	Benzo(k)fluoranthene	7600	U
50-32-8	Benzo(a)pyrene	7600	U
193-39-5	Indeno(1,2,3-cd)pyrene	7600	U
53-70-3	Dibenzo(a,h)anthracene	7600	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-27 9 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703DL

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06931.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 14 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(ghi)perylene	7600	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-27 9 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57703DL

Sample wt/vol: 30.32 (g/mL) G Lab File ID: W06931.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 13.7 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.3

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 90-57-6	1-METHYL NAPHTHALENE	9.36	22000	JN
2. 5617-41-4	HEPTACYCLOHEXANE	9.58	21000	JN
3.	UNKNOWN HYDROCARBON	10.01	40000	J
4. 1127-76-0	1-ETHYL NAPHTHALENE	10.08	23000	JN
5.	UNKNOWN NAPHTHALENE DERIVATI	10.28	61000	J
6.	UNKNOWN NAPHTHALENE DERIVATI	10.31	29000	J
7.	UNKNOWN	10.34	24000	J
8.	UNKNOWN NAPHTHALENE DERIVATI	10.44	33000	J
9.	UNKNOWN	10.63	54000	J
10.	UNKNOWN NAPHTHALENE DERIVATI	10.95	31000	J
11.	UNKNOWN NAPHTHALENE DERIVATI	11.01	24000	J
12.	UNKNOWN NAPHTHALENE DERIVATI	11.15	41000	J
13.	UNKNOWN HYDROCARBON	11.19	20000	J
14.	UNKNOWN NAPHTHALENE DERIVATI	11.26	60000	J
15.	UNKNOWN NAPHTHALENE DERIVATI	11.30	20000	J
16.	UNKNOWN NAPHTHALENE DERIVATI	11.37	22000	J
17. 2131-42-2	1,4,6-TRIMETHYL NAPHTHALENE	11.39	17000	JN
18.	UNKNOWN NAPHTHALENE DERIVATI	11.41	14000	J
19.	UNKNOWN NAPHTHALENE DERIVATI	11.67	51000	J
20. 2717-39-7	1,4,5,8-TETRAMETHYLNAPHTHALE	11.78	17000	JN

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06932.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	6700	U
108-95-2	Phenol	6700	U
111-44-4	Bis(2-chloroethyl) ether	6700	U
95-57-8	2-Chlorophenol	6700	U
95-48-7	2-Methylphenol	6700	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	6700	U
98-86-2	Acetophenone	6700	U
106-44-5	4-Methylphenol	6700	U
621-64-7	N-Nitroso-Di-n-propylamine	6700	U
67-72-1	Hexachloroethane	6700	U
98-95-3	Nitrobenzene	6700	U
78-59-1	Isophorone	6700	U
88-75-5	2-Nitrophenol	6700	U
105-67-9	2,4-Dimethylphenol	6700	U
111-91-1	Bis(2-chloroethoxy) methane	6700	U
120-83-2	2,4-Dichlorophenol	6700	U
91-20-3	Naphthalene	6700	U
106-47-8	4-Chloroaniline	6700	U
87-68-3	Hexachlorobutadiene	6700	U
105-60-2	Caprolactam	6700	U
59-50-7	4-Chloro-3-methylphenol	6700	U
91-57-6	2-Methylnaphthalene	110000	E
77-47-4	Hexachlorocyclopentadiene	6700	U
88-06-2	2,4,6-Trichlorophenol	6700	U
95-95-4	2,4,5-Trichlorophenol	6700	U
92-52-4	Biphenyl	6700	U
91-58-7	2-Chloronaphthalene	6700	U
88-74-4	2-Nitroaniline	16000	U
131-11-3	Dimethyl phthalate	6700	U
208-96-8	Acenaphthylene	6700	U
606-20-2	2,6-Dinitrotoluene	6700	U
99-09-2	3-Nitroaniline	16000	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06932.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5600	J
51-28-5	2,4-Dinitrophenol	16000	U
100-02-7	4-Nitrophenol	16000	U
132-64-9	Dibenzofuran	5100	J
121-14-2	2,4-Dinitrotoluene	6700	U
84-66-2	Diethyl phthalate	6700	U
7005-72-3	4-Chlorophenyl phenyl ether	6700	U
86-73-7	Fluorene	10000	
100-01-6	4-Nitroaniline	16000	U
534-52-1	4,6-Dinitro-2-methylphenol	16000	U
86-30-6	N-nitrosodiphenylamine	6700	U
101-55-3	4-Bromophenyl phenyl ether	6700	U
118-74-1	Hexachlorobenzene	6700	U
1912-24-9	Atrazine	6700	U
87-86-5	Pentachlorophenol	16000	U
85-01-8	Phenanthrene	27000	
120-12-7	Anthracene	4000	J
86-74-8	Carbazole	6700	U
84-74-2	Di-n-butyl phthalate	6700	U
206-44-0	Fluoranthene	800	J
129-00-0	Pyrene	1700	J
85-68-7	Butyl benzyl phthalate	6700	U
91-94-1	3,3'-Dichlorobenzidine	6700	U
56-55-3	Benzo(a)anthracene	6700	U
218-01-9	Chrysene	6700	U
117-81-7	Bis(2-ethylhexyl) phthalate	6700	U
117-84-0	Di-n-octyl phthalate	6700	U
205-99-2	Benzo(b)fluoranthene	6700	U
207-08-9	Benzo(k)fluoranthene	6700	U
50-32-8	Benzo(a)pyrene	6700	U
193-39-5	Indeno(1,2,3-cd)pyrene	6700	U
53-70-3	Dibenzo(a,h)anthracene	6700	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06932.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(ghi)perylene	6700	U

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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06932.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4.2 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.5

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN HYDROCARBON	6.83	22000	J
2.	90-12-0	1-METHYL NAPHTHALENE	9.37	24000	JN
3.		UNKNOWN HYDROCARBON	9.59	26000	J
4.		UNKNOWN HYDROCARBON	10.03	39000	J
5.		UNKNOWN NAPHTHALENE DERIVATI	10.07	54000	J
6.		UNKNOWN NAPHTHALENE DERIVATI	10.19	110000	J
7.		UNKNOWN NAPHTHALENE DERIVATI	10.29	100000	J
8.		UNKNOWN NAPHTHALENE DERIVATI	10.32	56000	J
9.		UNKNOWN NAPHTHALENE DERIVATI	10.45	56000	J
10.		UNKNOWN NAPHTHALENE DERIVATI	10.57	31000	J
11.		UNKNOWN	10.64	52000	J
12.		UNKNOWN NAPHTHALENE DERIVATI	10.86	22000	J
13.	2027-17-0	2-(1-METHYLETHYL)NAPHTHALENE	10.96	62000	JN
14.	2131-42-2	1,4,6-TRIMETHYL NAPHTHALENE	11.01	26000	JN
15.		UNKNOWN NAPHTHALENE DERIVATI	11.16	51000	J
16.		UNKNOWN NAPHTHALENE DERIVATI	11.27	63000	J
17.		UNKNOWN NAPHTHALENE DERIVATI	11.31	30000	J
18.		UNKNOWN NAPHTHALENE DERIVATI	11.38	22000	J
19.		UNKNOWN NAPHTHALENE DERIVATI	11.40	20000	J
20.		UNKNOWN NAPHTHALENE DERIVATI	11.67	58000	J

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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704DL

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06965.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	34000	U
108-95-2	Phenol	34000	U
111-44-4	Bis(2-chloroethyl) ether	34000	U
95-57-8	2-Chlorophenol	34000	U
95-48-7	2-Methylphenol	34000	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	34000	U
98-86-2	Acetophenone	34000	U
106-44-5	4-Methylphenol	34000	U
621-64-7	N-Nitroso-Di-n-propylamine	34000	U
67-72-1	Hexachloroethane	34000	U
98-95-3	Nitrobenzene	34000	U
78-59-1	Isophorone	34000	U
88-75-5	2-Nitrophenol	34000	U
105-67-9	2,4-Dimethylphenol	34000	U
111-91-1	Bis(2-chloroethoxy) methane	34000	U
120-83-2	2,4-Dichlorophenol	34000	U
91-20-3	Naphthalene	34000	U
106-47-8	4-Chloroaniline	34000	U
87-68-3	Hexachlorobutadiene	34000	U
105-60-2	Caprolactam	34000	U
59-50-7	4-Chloro-3-methylphenol	34000	U
91-57-6	2-Methylnaphthalene	110000	D
77-47-4	Hexachlorocyclopentadiene	34000	U
88-06-2	2,4,6-Trichlorophenol	34000	U
95-95-4	2,4,5-Trichlorophenol	34000	U
92-52-4	Biphenyl	34000	U
91-58-7	2-Chloronaphthalene	34000	U
88-74-4	2-Nitroaniline	81000	U
131-11-3	Dimethyl phthalate	34000	U
208-96-8	Acenaphthylene	34000	U
606-20-2	2,6-Dinitrotoluene	34000	U
99-09-2	3-Nitroaniline	81000	U

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NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704DL

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06965.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	8700	DJ
51-28-5	2,4-Dinitrophenol	81000	U
100-02-7	4-Nitrophenol	81000	U
132-64-9	Dibenzofuran	5400	DJ
121-14-2	2,4-Dinitrotoluene	34000	U
84-66-2	Diethyl phthalate	34000	U
7005-72-3	4-Chlorophenyl phenyl ether	34000	U
86-73-7	Fluorene	11000	DJ
100-01-6	4-Nitroaniline	81000	U
534-52-1	4,6-Dinitro-2-methylphenol	81000	U
86-30-6	N-nitrosodiphenylamine	34000	U
101-55-3	4-Bromophenyl phenyl ether	34000	U
118-74-1	Hexachlorobenzene	34000	U
1912-24-9	Atrazine	34000	U
87-86-5	Pentachlorophenol	81000	U
85-01-8	Phenanthrene	26000	DJ
120-12-7	Anthracene	3900	DJ
86-74-8	Carbazole	34000	U
84-74-2	Di-n-butyl phthalate	34000	U
206-44-0	Fluoranthene	34000	U
129-00-0	Pyrene	1800	DJ
85-68-7	Butyl benzyl phthalate	34000	U
91-94-1	3,3'-Dichlorobenzidine	34000	U
56-55-3	Benzo(a)anthracene	34000	U
218-01-9	Chrysene	34000	U
117-81-7	Bis(2-ethylhexyl) phthalate	34000	U
117-84-0	Di-n-octyl phthalate	34000	U
205-99-2	Benzo(b)fluoranthene	34000	U
207-08-9	Benzo(k)fluoranthene	34000	U
50-32-8	Benzo(a)pyrene	34000	U
193-39-5	Indeno(1,2,3-cd)pyrene	34000	U
53-70-3	Dibenzo(a,h)anthracene	34000	U

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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-28 11 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704DL

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06965.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(ghi)perylene	34000	U

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NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-28 11 DL

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57704DL

Sample wt/vol: 30.82 (g/mL) G Lab File ID: W06965.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 4.2 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/09/2005

Injection Volume: 2.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.5

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYL NAPHTHALENE	9.31	60000	JN
2.		UNKNOWN	9.53	30000	J
3.		UNKNOWN HYDROCARBON	9.96	47000	J
4.		UNKNOWN NAPHTHALENE DERIVATI	10.01	61000	J
5.		UNKNOWN NAPHTHALENE DERIVATI	10.10	67000	J
6.		UNKNOWN NAPHTHALENE DERIVATI	10.22	120000	J
7.		UNKNOWN NAPHTHALENE DERIVATI	10.25	56000	J
8.		UNKNOWN NAPHTHALENE DERIVATI	10.38	80000	J
9.		UNKNOWN NAPHTHALENE DERIVATI	10.50	35000	J
10.		UNKNOWN	10.58	58000	J
11.		UNKNOWN NAPHTHALENE DERIVATI	10.88	71000	J
12.	2131-42-2	1,4,6-TRIMETHYL NAPHTHALENE	10.95	28000	JN
13.		UNKNOWN NAPHTHALENE DERIVATI	11.09	58000	J
14.		UNKNOWN NAPHTHALENE DERIVATI	11.20	68000	J
15.		UNKNOWN NAPHTHALENE DERIVATI	11.24	41000	J
16.		UNKNOWN NAPHTHALENE DERIVATI	11.31	29000	J
17.	1855-47-6	1-ISOPROPENYLNAPHTHALENE	11.59	60000	JN
18.		UNKNOWN NAPHTHALENE DERIVATI	11.95	30000	J
19.		UNKNOWN	12.34	33000	J
20.		UNKNOWN PAH DERIVATIVE	13.40	27000	J

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NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 30.78 (g/mL) G Lab File ID: W06933.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
100-52-7	Benzaldehyde	6900	U
108-95-2	Phenol	6900	U
111-44-4	Bis(2-chloroethyl) ether	6900	U
95-57-8	2-Chlorophenol	6900	U
95-48-7	2-Methylphenol	6900	U
108-60-1	2,2'-Oxybis(1-Chloropropane)	6900	U
98-86-2	Acetophenone	6900	U
106-44-5	4-Methylphenol	6900	U
621-64-7	N-Nitroso-Di-n-propylamine	6900	U
67-72-1	Hexachloroethane	6900	U
98-95-3	Nitrobenzene	6900	U
78-59-1	Isophorone	6900	U
88-75-5	2-Nitrophenol	6900	U
105-67-9	2,4-Dimethylphenol	6900	U
111-91-1	Bis(2-chloroethoxy) methane	6900	U
120-83-2	2,4-Dichlorophenol	6900	U
91-20-3	Naphthalene	6900	U
106-47-8	4-Chloroaniline	6900	U
87-68-3	Hexachlorobutadiene	6900	U
105-60-2	Caprolactam	6900	U
59-50-7	4-Chloro-3-methylphenol	6900	U
91-57-6	2-Methylnaphthalene	35000	
77-47-4	Hexachlorocyclopentadiene	6900	U
88-06-2	2,4,6-Trichlorophenol	6900	U
95-95-4	2,4,5-Trichlorophenol	6900	U
92-52-4	Biphenyl	6900	U
91-58-7	2-Chloronaphthalene	6900	U
88-74-4	2-Nitroaniline	17000	U
131-11-3	Dimethyl phthalate	6900	U
208-96-8	Acenaphthylene	6900	U
606-20-2	2,6-Dinitrotoluene	6900	U
99-09-2	3-Nitroaniline	17000	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 30.78 (g/mL) G Lab File ID: W06933.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	5100	J
51-28-5	2,4-Dinitrophenol	17000	U
100-02-7	4-Nitrophenol	17000	U
132-64-9	Dibenzofuran	3700	J
121-14-2	2,4-Dinitrotoluene	6900	U
84-66-2	Diethyl phthalate	6900	U
7005-72-3	4-Chlorophenyl phenyl ether	6900	U
86-73-7	Fluorene	7000	
100-01-6	4-Nitroaniline	17000	U
534-52-1	4,6-Dinitro-2-methylphenol	17000	U
86-30-6	N-nitrosodiphenylamine	6900	U
101-55-3	4-Bromophenyl phenyl ether	6900	U
118-74-1	Hexachlorobenzene	6900	U
1912-24-9	Atrazine	6900	U
87-86-5	Pentachlorophenol	17000	U
85-01-8	Phenanthrene	18000	
120-12-7	Anthracene	2800	J
86-74-8	Carbazole	6900	U
84-74-2	Di-n-butyl phthalate	6900	U
206-44-0	Fluoranthene	6900	U
129-00-0	Pyrene	1300	J
85-68-7	Butyl benzyl phthalate	6900	U
91-94-1	3,3'-Dichlorobenzidine	6900	U
56-55-3	Benzo(a)anthracene	6900	U
218-01-9	Chrysene	6900	U
117-81-7	Bis(2-ethylhexyl) phthalate	6900	U
117-84-0	Di-n-octyl phthalate	6900	U
205-99-2	Benzo(b)fluoranthene	6900	U
207-08-9	Benzo(k)fluoranthene	6900	U
50-32-8	Benzo(a)pyrene	6900	U
193-39-5	Indeno(1,2,3-cd)pyrene	6900	U
53-70-3	Dibenzo(a,h)anthracene	6900	U

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NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
ANALYSIS DATA SHEET

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 30.78 (g/mL) G Lab File ID: W06933.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 7 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
191-24-2	Benzo(ghi)perylene	6900	U

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
NYSDEC - ASP00 8270 - SEMIVOLATILES/L -S
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A5D57705

Sample wt/vol: 30.78 (g/mL) G Lab File ID: W06933.RR

Level: (low/med) LOW Date Samp/Recv: 11/29/2005 11/30/2005

% Moisture: 6.8 decanted: (Y/N) N Date Extracted: 12/02/2005

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/07/2005

Injection Volume: 2.00 (uL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: 8.1

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	90-12-0	1-METHYL NAPHTHALENE	9.36	21000	JN
2.		UNKNOWN	9.58	16000	J
3.		UNKNOWN HYDROCARBON	10.02	25000	J
4.	1127-76-0	1-ETHYL NAPHTHALENE	10.07	29000	JN
5.		UNKNOWN NAPHTHALENE DERIVATI	10.16	26000	J
6.		UNKNOWN NAPHTHALENE DERIVATI	10.28	58000	J
7.		UNKNOWN NAPHTHALENE DERIVATI	10.31	38000	J
8.		UNKNOWN NAPHTHALENE DERIVATI	10.44	32000	J
9.		UNKNOWN NAPHTHALENE DERIVATI	10.56	20000	J
10.		UNKNOWN	10.64	33000	J
11.		UNKNOWN NAPHTHALENE DERIVATI	10.95	36000	J
12.		UNKNOWN NAPHTHALENE DERIVATI	11.01	16000	J
13.		UNKNOWN NAPHTHALENE DERIVATI	11.15	29000	J
14.		UNKNOWN HYDROCARBON	11.19	14000	J
15.		UNKNOWN NAPHTHALENE DERIVATI	11.26	44000	J
16.		UNKNOWN NAPHTHALENE DERIVATI	11.30	15000	J
17.		UNKNOWN NAPHTHALENE DERIVATI	11.37	16000	J
18.		UNKNOWN NAPHTHALENE DERIVATI	11.67	38000	J
19.		UNKNOWN	11.70	12000	J
20.		UNKNOWN	11.78	13000	J

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
Wet Chemistry Analysis

Client Sample No.

GP-27 9

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A5D57703

% Solids: 0.0 Date Samp/Recv: 11/29/2005 11/30/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.32				9045	12/01/2005

Comments:

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
Wet Chemistry Analysis

Client Sample No.: GP-28 11

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A5D57704

% Solids: 0.0 Date Samp/Recv: 11/29/2005 11/30/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.48				9045	12/01/2005

Comments:

NYSDEC
NYSDEC - REGION 8 REMEDIATION/SPILLS CONTRACT
Wet Chemistry Analysis

Client Sample No.: GP-29 10

Lab Name: STL Buffalo Contract: C200305

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Lab Sample ID: A5D57705

% Solids: 0.0 Date Samp/Recv: 11/29/2005 11/30/2005

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.07				9045	12/01/2005

Comments:

APPENDIX D

STORM SEWER SAMPLING MAP
AND LABORATORY ANALYTICAL DATA
PROVIDED BY WATTS ENGINEERS

Ontario RR over Rt. 21
Storm Water Sampling Event

Town of Manchester
Ontario County, New York

WATTS ENGINEERS

Figure 3-1 | December 2005

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A05-D075

STL Project#: NY2A893625
Site Name: Watts Engineers
Task: Petroleum Finger Printing

Andrew Klimek
Watts Engineers
3826 Main Street
Buffalo, NY 14226

STL Buffalo

Paul K. Morrow
Project Manager

12/08/2005

STL Buffalo
Current Certifications

As of 11/29/2005

STATE	Program	Cert # / Lab ID
AFCEE	AFCEE	
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	02970
USACE	USACE	
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA,RCRA	C254
West Virginia	CWA,RCRA	252
Wisconsin	CWA	998310390

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A5D07501	MANHOLE 1	WATER	11/16/2005	09:18	11/16/2005	11:41
A5D07502	MANHOLE 2	WATER	11/16/2005	09:35	11/16/2005	11:41
A5D07503	MANHOLE 3	WATER	11/16/2005	09:48	11/16/2005	11:41

METHODS SUMMARY

Job#: A05-D075

STL Project#: NY2A893625
Site Name: Watts Engineers

PARAMETER	ANALYTICAL METHOD
METHOD 310.13 - PETROLEUM PRODUCTS plus Stoddard	NYSDOH 31013

NYSDOH "Compendium of Methods", New York State Department of Health, Wadsworth Center for Laboratories and Research.

NON-CONFORMANCE SUMMARY

Job#: A05-D075

STL Project#: NY2A893625
Site Name: Watts Engineers

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A05-D075
Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All samples were received in good condition.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

SEVERN TRENT STL

DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Watts Engineers
Petroleum Finger Printing

Sample ID: MANHOLE 1
Lab Sample ID: A5D07501
Date Collected: 11/16/2005
Time Collected: 09:18

Date Received: 11/16/2005
Project No: NY2A893625
Client No: 508664
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQ-NYSDOH 310.13-PETROLEUM PRODUCTS STODDARD							
Fuel Oil #2	ND		0.10	MG/L	31013	11/21/2005 22:51	DW
Fuel Oil #4	14		0.20	MG/L	31013	11/21/2005 22:51	DW
Fuel Oil #6	ND		0.10	MG/L	31013	11/21/2005 22:51	DW
Gasoline	ND		0.10	MG/L	31013	11/21/2005 22:51	DW
Kerosene	ND		0.20	MG/L	31013	11/21/2005 22:51	DW
Motor Oil	ND		1.0	MG/L	31013	11/21/2005 22:51	DW
Other-1	ND		1.0	MG/L	31013	11/21/2005 22:51	DW

Watts Engineers
Petroleum Finger Printing

Sample ID: MANHOLE 2
Lab Sample ID: A5D07502
Date Collected: 11/16/2005
Time Collected: 09:35

Date Received: 11/16/2005
Project No: NY2A893625
Client No: 508664
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQ-NYSDOH 310.13-PETROLEUM PRODUCTS STODDARD							
Fuel Oil #2	ND		0.098	MG/L	31013	11/21/2005 23:26	DW
Fuel Oil #4	0.52		0.20	MG/L	31013	11/21/2005 23:26	DW
Fuel Oil #6	ND		0.098	MG/L	31013	11/21/2005 23:26	DW
Gasoline	ND		0.098	MG/L	31013	11/21/2005 23:26	DW
Kerosene	ND		0.20	MG/L	31013	11/21/2005 23:26	DW
Motor Oil	ND		0.98	MG/L	31013	11/21/2005 23:26	DW
Other-1	ND		0.98	MG/L	31013	11/21/2005 23:26	DW

Watts Engineers
Petroleum Finger Printing

Sample ID: MANHOLE 3
Lab Sample ID: A5D07503
Date Collected: 11/16/2005
Time Collected: 09:48

Date Received: 11/16/2005
Project No: NY2A893625
Client No: 508664
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQ-NYSDOH 310.13-PETROLEUM PRODUCTS STODDARD							
Fuel Oil #2	ND		0.10	MG/L	31013	11/22/2005 00:02	DW
Fuel Oil #4	0.50		0.20	MG/L	31013	11/22/2005 00:02	DW
Fuel Oil #6	ND		0.10	MG/L	31013	11/22/2005 00:02	DW
Gasoline	ND		0.10	MG/L	31013	11/22/2005 00:02	DW
Kerosene	ND		0.20	MG/L	31013	11/22/2005 00:02	DW
Motor Oil	ND		1.0	MG/L	31013	11/22/2005 00:02	DW
Other-1	ND		1.0	MG/L	31013	11/22/2005 00:02	DW

Chronology and QC Summary Package

Date: 12/08/2005
Time: 11:25:18

Watts Engineers
Petroleum Finger Printing
METHOD 310.13 - PETROLEUM PRODUCTS PLUS STODDARD

Rept: AN1247

Client ID Job No Sample Date	Lab ID	Method Blank A05-D075	A5B1796103						
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Kerosene	MG/L	ND	0.20	NA		NA		NA	
Gasoline	MG/L	ND	0.10	NA		NA		NA	
Motor Oil	MG/L	ND	1.0	NA		NA		NA	
Fuel Oil #2	MG/L	ND	0.10	NA		NA		NA	
Fuel Oil #4	MG/L	ND	0.20	NA		NA		NA	
Fuel Oil #6	MG/L	ND	0.10	NA		NA		NA	
Other-1	MG/L	ND	1.0	NA		NA		NA	

11/15

STL Buffalo

NA = Not Applicable ND = Not Detected

Client Sample ID: Method Blank
Lab Sample ID: A5B1796103

Matrix Spike Blank
A5B1796101

Matrix Spike Blk Dup
A5B1796102

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 310.13 - PETROLEUM PRODUCTS PLUS Fuel Oil #2	MG/L	1.01	1.25	1.50	1.50	68	84	76	21	35.0	50-150

12/15

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 310.13 - PETROLEUM PRODUCTS PLUS STODDARD

Client Sample ID Job No & Lab Sample ID	MANHOLE 1 A05-D075 A5D07501	MANHOLE 2 A05-D075 A5D07502	MANHOLE 3 A05-D075 A5D07503		
Sample Date	11/16/2005 09:18	11/16/2005 09:35	11/16/2005 09:48		
Received Date	11/16/2005 11:41	11/16/2005 11:41	11/16/2005 11:41		
Extraction Date	11/17/2005 07:00	11/17/2005 07:00	11/17/2005 07:00		
Analysis Date	11/21/2005 22:51	11/21/2005 23:26	11/22/2005 00:02		
Extraction HT Met?	YES	YES	YES		
Analytical HT Met?	YES	YES	YES		
Sample Matrix	WATER	WATER	WATER		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	1.0 LITERS	1.02 LITERS	1.0 LITERS		
% Dry					

13/15

NA = Not Applicable

METHOD 310.13 - PETROLEUM PRODUCTS PLUS STODDARD

Client Sample ID Job No & Lab Sample ID	Method Blank A05-D075 A5B1796103				
Sample Date					
Received Date					
Extraction Date	11/17/2005 07:00				
Analysis Date	11/21/2005 22:16				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	1.0 LITERS				
% Dry					

NA = Not Applicable

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Watts Engineers	Project Manager: Andrew Klimek	Date: 11-16-05	Chain of Custody Number: 252502
Address: 3826 Main St	Telephone Number (Area Code)/Fax Number: 716-836-1540	Lab Number:	Page 1 of 1
City: Buffalo / State: NY / Zip Code: 14226	Site Contact: Andrew Klimek	Lab Contact:	
Project Name and Location (State): Ontario County RR Manchester NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: Y2048			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): 8260 Rpt. Pro. 310.13 (Aqueous)	Special Instructions/ Conditions of Receipt
manhole 1	11/16/05	918		X				X					3	
manhole 2	11/16/05	935		X				X					3	
manhole 3	11/16/05	948		X				X					3	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 10 days

QC Requirements (Specify):

1. Relinquished By: Lisa Keeney	Date: 11-16-05	Time: 11:41	1. Received By: Leeona Jasper STL	Date: 11/16/05	Time: 1141
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

15/15