

RECEIVED

MAY 2 2005

NYSDEC REG 9

FOIL
☒ REL ☐ UNREL

Underground Storage Tank Removal Report – Site 235

**General Motors Corporation
Delphia Harrison Thermal Systems – Buffalo
Lockport, New York**

April 2005

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

***Underground Storage Tank Removal
Report – Site 235***

**General Motors Corporation
Delphia Harrison Thermal Systems – Buffalo
Lockport, New York**

April 2005

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

Table of Contents

Section 1	Introduction.....	1-1
1.1	Project Description and Scope.....	1-1
1.2	Site Location and History	1-2
1.3	Underground Storage Tank Overview	1-2
Section 2	UST Removals.....	2-1
2.1	Pre-Removal Activities and Removal/Post-Removal Sampling Procedures	2-1
2.2	Removal of USTs T5 and T6	2-2
2.3	Removal of 1,000 Gallon UST	2-4
2.4	Management and Disposal of Soil and Water	2-5
Section 3	Exploratory Test Pit.....	3-1
Section 4	Conclusions	4-1

Tables

- 1 Post Removal Soil Sample Results – USTs T5 and T6
- 2 Post Removal Soil Sample Results – 1,000 Gallon UST
- 3 Staged Excavated Soil for Offsite Disposal
- 4 UST Purge Water and Excavation Water
- 5 Summary of “Finger Print” Analysis for Petroleum Products – Test Pit Located Adjacent to Northwest Corner of Building 2
- 6 Summary of Detected Constituents in Soil – Test Pit Located Adjacent to Northwest Corner of Building 2

Figures

- 1 Site Location Map
- 2 General Site & Underground Storage Tank Location Sketch
- 3 Former T5 & T6 Underground Storage Tank and Post Removal Sample Locations
- 4 Former 1,000 Gallon Underground Storage Tank and Post Removal Sample Locations

Appendices

- A Analytical Laboratory Reports
- B Project Photographs
- C Disposal Records

1 Introduction

1.1 Project Description and Scope

BBL Environmental Services, Inc. (BBLES) has prepared this *Underground Storage Tank Removal Report* (UST Report) for the work performed at Commerce Square, 210 Walnut Street, Lockport, New York, the former Harrison Radiator Facility (originally operated by Harrison Radiator, a division of General Motors Corporation [GM]), herein referred to as the Site (Figure 1). This UST Report describes the activities that were taken for the removal of three underground storage tanks (USTs) located under the Walnut Street sidewalk and the results of post-removal sampling. In addition to removing these three USTs, an exploratory excavation was conducted in the vicinity of the northwest corner of Building 2. That excavation was conducted at the request of the New York State Department of Environmental Conservation (NYSDEC) to preliminary identify if soil in that area had been impacted from previous activities conducted at the Site. The NYSDEC chose this location based upon conversations with the City of Lockport Water Department, who initially encountered odors from soil excavated in this area during the repair of a water main.

The UST removal work was performed in accordance with 40 CFR Part 280.71, the NYSDEC Spill Technology and Remediation Series (STARS) #1 titled *Petroleum-Contaminated Soil Guidance Policy*, the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046, and where appropriate the New York State Department of Transportation (NYSDOT) Office of Engineer Standard Specifications (e.g., Sections 202, 608-2, and 608-3). This UST Report addresses the following activities:

- Removal of three USTs and soil immediately adjacent to each UST;
- Collection of soil samples from each UST excavation for laboratory analyses to determine if the contents stored in the USTs may have adversely impacted the subsurface soil;
- Backfilling the UST excavations;
- Restoring the surface with a concrete sidewalk that meets the NYSDOT specifications for a permanent sidewalk; and
- Disposing each UST and its contents at an appropriate permitted facility.

The remainder of Section 1 provides a brief discussion of the site location and history, and a brief history of the three USTs that were removed. Section 2 discusses the activities associated with the removal of the three USTs

which includes post-removal sampling, backfill/restoration, and materials handling/off-site disposal activities. Section 3 provides a summary of the exploratory test pit, while Section 4 provides conclusions associated with the activities described in this report. In addition to these report sections, tables, figures and photographs are provided and referenced as necessary.

1.2 Site Location and History

The Site is located along the south side of Walnut Street (NYS Route 31) at the intersection of Elm Street in the City of Lockport, New York (Figure 1). The Site is bounded by commercial and residential properties to the west, Washburn Street to the east and South Street to the south. Currently five buildings occupy most of the Site while the remainder consists of paved access ways and parking (Figure 2).

GM's Harrison Radiator Division (Harrison) operated this facility from 1917 through June 1987 and manufactured copper and brass automotive parts. Most notably, Harrison produced thermostats, vacuum and electric switches, modulators and heat exchangers. In June 1987, Harrison transferred the manufacturing activities from this location to a newer facility located in western Lockport. Between June and November 1987, several closure activities (e.g., asbestos abatement) were conducted at the Site. Ownership of this property was initially transferred from GM to Delphi Automotive Systems and subsequently to Commerce Square. Currently portions of some of the buildings that occupy the site are being leased to tenants for commercial use.

1.3 Underground Storage Tank Overview

This project involved the removal of three USTs located beneath the sidewalk that traverses along the southern side of Walnut Street adjacent to the Site. Two of these tanks are being removed in response to a Spill Report (NYSDEC Spill No. 9975547) as mandated by the NYSDEC Bureau of Spill Prevention and Response. These three USTs are also being removed prior to road resurfacing and sidewalk replacement work that is currently scheduled by the NYSDOT for commencement during the 2005 construction season.

The Spill Report was filed by the New York State Department of Environmental Conservation (NYSDEC) Spill Response Unit in response to information received from the City of Lockport Sewer & Water Division when petroleum odors were noted by a worker repairing a fire hydrant located in the sidewalk between Building No. 2

and Walnut Street. Subsequent to the repair it was found that two USTs, reported to have contained gasoline, had been abandoned in place near the fire hydrant repair location. These tanks, T5 (500 gallon) and T6 (750 gallon - initially reported as a 650 gallon tank but verified through field measurements to be a 750 gallon tank), were installed to store gasoline and subsequently decommissioned in the 1960s (the exact dates of installation and decommissioning are unknown). Decommissioning at that time consisted of using the product and/or recovering the product that remained, rinsing each UST with a detergent and filling them with water. In November of 1986 the water from each UST was pumped out and disposed in the sewer after decanting off approximately one drum of gasoline and/or gasoline/water emulsion. After the water was removed, USTs T5 and T6 was rinsed with a detergent and then filled with concrete.

Based on a NYSDOT drawing titled Walnut Street Arterial Route – Saxton Street to Washburn Street dated June 11, 1952 (Federal Aid Project Number U709(3), Sheet 12 of 14) an additional 1,000 gallon UST is shown to be located beneath the sidewalk between the facility and Walnut Street. Additional research was conducted and one reference on a drawing (titled *Building No. 4 – First Floor Plan – Underground Piping* drawing no. B-3451) prepared for Harrison depicts the approximate location of this 1,000 gallon UST, labeled to contain gasoline, as being in the vicinity of the former main entrance to Building 4. In addition, the drawing prepared for Harrison also depicts the location of a gasoline pump immediately inside Building 4 adjacent to this 1,000 gallon UST. When comparing the available plans and sketches that illustrate the locations of these three USTs, the NYSDOT drawing and the drawings/sketches prepared for Harrison did not match. The Harrison drawings show USTs T5 and T6 located to the east of Elm Street adjacent to Building 2 and the 1,000 gallon UST to the west of Elm Street adjacent to Building 4, while the NYSDOT drawing has these tank locations in reverse order. During a Site meeting (which included representatives for the contractor, NYSDEC, NYSDOT and the City of Lockport Sewer & Water Division) that occurred on July 15, 2004, two vent pipes were observed traversing up the north side of Building 2 in the area where USTs T5 and T6 are depicted on the Harrison drawing. As such, it was presumed that the Harrison drawings/sketches depicted the existing conditions. No additional documentation was located describing the installation and/or previous closure activities for the 1,000 gallon UST.

During the removal process, UST's T5 and T6 were located beneath the sidewalk north of Building 2 between column lines "K" and "M" as depicted on Figure 3. For Building 2, column line "A" is the western side of the building and column lines ascend alphabetically in an easterly direction to column line "Y" which is the eastern side of Building 2. In order to avoid confusion between alpha and numeric column lines, column line labels "I"

and "O" were not used for identifying locations within Building 2. Using the existing columns for Building 2, the approximate locations where these two USTs were located can be identified in the field in the future.

As for the 1,000 gallon UST, the drawing prepared for Harrison that illustrated the approximate location of this UST was fairly accurate. This UST was located beneath the sidewalk north of Building 4 immediately west of the former main entrance to this building and between column lines "C" and "D". For Building 4, column line "K" is the easterly side of the building and column lines descend alphabetically in a westerly direction to column line "A" which is the original western side of this building. Similar to Building 2, column line label "I" was not used to identify locations within Building 4 in an attempt to avoid confusion. Similar to USTs T5 and T6, the existing columns along the north side of Building 4 can be used to identify the approximate location where this third UST was removed.

2 UST Removals

2.1 Pre-Removal Activities and Removal/Post-Removal Sampling Procedures

Prior to conducting any removal activities, temporary staging areas were constructed for storing materials prior to disposal off-site. The staging area for soil and other solid debris (e.g., concrete, exhumed USTs) consisted of a temporary beamed area lined with poly sheeting. For liquids (e.g., water drained from USTs), drums were originally brought to the site; however, since water was required to be pumped from each excavation (due to leaking water lines draining into the excavations) temporary storage tanks (frac-tanks) were mobilized to the Site. In addition to these temporary staging/storage facilities, traffic control measures were required to ensure a safe work area.

As reported above in Section 1.3 the USTs that were removed were beneath a concrete sidewalk located between New York State Route 31 (NYS Route 31) and Buildings 2 or 4. To ensure a safe work area and provide access while removing these USTs, a plan was developed (in accordance with the requirements provided in NYSDOT specifications for occupying a NYS highway) to close the southern east-bound lane of NYS Route 31 to vehicular traffic as well as certain portions of the southern sidewalk to pedestrian traffic during work hours. Traffic control devices were set-up and removed on a daily basis for closing the southern east-bound lane. During non-work hours, the excavations were temporarily fenced off and warning lights were placed to demarcate the work area. The following general procedures were used for removing the USTs and collecting the post-removal soil samples for laboratory analysis.

UST Removal Procedures

- 1) Remove the concrete sidewalk slabs covering the USTs and place the slabs within the temporary staging area.
- 2) Excavate to the top of each UST and uncover a portion of the upper half of the tank. The excavated material was placed in the temporary staging area.
- 3) Visually inspect the top of the UST for openings (e.g., man-ways, fill- or vent-ports) to use for identifying the contents (if any) inside the UST.
- 4) Identify the type of material (e.g., gasoline, water, concrete, etc.), if any, within the UST.

-
- 5) To the extent possible, liquids were removed prior to opening the USTs for cleaning or removing concrete.
 - 6) The USTs were removed from each location and temporarily staged at the Site prior to being loaded for appropriate off-site disposal.

During the removal process BBLES personnel conducted air monitoring using a photoionization detector (PID) and explosion meter (EM) to determine if health and safety concerns with regards to exposure to vapors or a potential explosion hazard were present. During the removal activities PID and EM readings were consistently below the performance criteria provided in the Site specific Health and Safety Plan.

Post-Removal Sampling and Analytical Testing

In accordance with NYSDEC STARS #1, post-removal soil samples were collected from the UST excavations, and analyzed for volatile organic compounds (VOCs) using EPA Method 8021. For the excavation sidewalls, two to five "grab" samples were collected from each sidewall at locations approximately one-third the way up the sidewall from the bottom of the UST excavation. The grab samples from each respective sidewall were then combined to form one representative composite soil sample for that sidewall. In addition to the sidewall sampling, three to four "grab" samples were collected from the floor of each excavation approximately beneath each UST for compositing into the excavation bottom sample(s).

In addition to this sampling, one discrete and one composite soil sample were collected from the materials removed from the T5/T6 excavation and analyzed for VOCs by EPA Method 8021 in accordance with NYSDEC STARS #1. This sampling was conducted to determine if the material removed was suitable as backfill material and to identify if certain handling and/or disposal practices would be necessary.

2.2 Removal of USTs T5 and T6

On December 2, 2004, removal activities commenced for these two USTs. After removing the sidewalk slabs, large concrete blocks (separate from the sidewalk) were encountered over each tank. These blocks were approximately three feet thick and extended from the top of each tank to the bottom of the sidewalk slab. For approximately two days, these large concrete blocks were broken up in place and the material generated was stockpiled in the temporary staging area. After the blocks were removed, each UST was "stuck" to determine if liquids were present. Both USTs were partially filled with concrete and for the remaining void space within

each tank, liquid was present which was removed and containerized in the temporary storage facilities (frac tanks). After the liquid was removed from each tank, the two USTs were exhumed on December 7, 2004. Immediately following the removal of the two USTs, visual observations were made of the excavation sidewalls and bottom for which a limited amount of soil was observed to exhibit stains and odors. That soil was then excavated and placed in the temporary staging area.

After USTs T5 and T6 along with the additional soils were removed, soil sampling was conducted in accordance with the procedures outlined above; Figure 3 depicts the approximate locations where soil samples were collected from this excavation for analytical laboratory testing. The results for the post-removal soil samples are provided in Table 1 and a copy of the laboratory report(s) for these samples is provided in Appendix A. Initially, GM proposed to use the Human Health Guidance Values (C_h) provided in NYSDEC STARS #1 based on the anticipated depth to groundwater (being greater than 35 feet based on surface topography and the mean pool elevation of the upper pool in the NYS Barge Canal at Lock 35 in Lockport) and the potential human receptor at this site would be a construction/utility worker conducting utility repairs and/or reconstruction of Walnut Street. However, after discussions with the NYSDEC site representative (Mr. Michael Franks) and at their recommendation the NYSDEC Recommended Soil Cleanup Objectives (RSCOs), as published in TAGM 4046 were used at this Site for comparing the analytical results. All of the sample results associated with USTs T5 and T6 are below the TAGM-RSCOs.

In addition, two soil samples (one discrete and one composite) from the material excavated from this area were analyzed to determine if that material could be reused to backfill the excavation. The analytical results for these two samples are also presented in Table 1 and a copy of the laboratory report(s) for these samples is provided in Appendix A. None of the results for those two samples exceeded the TAGM-RSCOs, indicating that the material was acceptable for reuse. Although the excavated material had been shaped and covered to promote drainage away from the material, the in-situ moisture content and material composition (e.g., silty-clay, clayey-silt) made it difficult to use as backfill material. As such, crushed stone was placed in the excavation up to the bottom of the adjacent existing sidewalk where upon a new concrete sidewalk was poured.

Since none of the post-removal soil sample results exceeded the TAGM-RSCOs, restoration activities were initiated. Prior to conducting the restoration activities, rainwater and water from a leaking water main filled this excavation. The excavation was subsequently pumped out on two separate occasions and the water was placed

in the temporary on-site storage facilities (frac tanks) where it was held until it was later disposed at the City of Lockport Wastewater Treatment Plant.

To aid in documenting the work described above, representative photographs were taken that depict the UST removal, pre-restoration (water issue), and restoration activities and are provided in Appendix B of this report. Photos 1 through 12 show the removal activities, while photos 19 through 21, and 24 depict the pre-restoration/restoration activities.

2.3 Removal of 1,000 Gallon UST

On December 9, 2004, removal activities took place in front of Building 4 by initially removing the sidewalk slabs. After the sidewalk was removed, an exploratory test pit was excavated to locate the third UST. Upon excavating to a depth of approximately 4.5 feet below the top of sidewalk, a second attempt was made approximately five feet east of the initial location. At a depth of approximately 2.5 feet below the top of sidewalk, the western portion of the 1,000 gallon UST was encountered. Once the UST was located the top was uncovered and the UST was “stuck” to determine if liquid was present. This UST contained approximately 500 gallons of water that exhibited odors and a noticeable sheen. This water was pumped from the tank and containerized in the temporary storage facilities (frac tanks). Following removal of the liquid, this 1,000 gallon UST was exhumed.

While exhuming this UST, an unmarked water line/drain line was encountered and damaged, causing this excavation to fill with water. After this utility was repaired, the excavation was pumped out to the temporary on-site storage facilities (frac tanks) where the water was held until it was later disposed at the City of Lockport Wastewater Treatment Plant (WWTP). Observations of the sidewalls and bottom were subsequently conducted to identify if the soil had been impacted by the contents previously stored in this UST. Two small areas of discolored soil were observed to be slightly stained and were subsequently removed and placed in the temporary staging area. Following this limited soil removal post-removal soil sampling was conducted in accordance with the procedures outlined above. Figure 4 depicts the approximate locations where soil samples were obtained. The results for the post-removal soil samples are provided in Table 2 and a copy of the laboratory report(s) for these samples is provided in Appendix A. The results for the five post-removal soil samples are also below the TAGM-RSCOs. Since none of the post-removal soil sample results exceeded the TAGM-RSCOs, restoration

activities were initiated which consisted of backfilling the excavation with clean crushed stone up to the bottom of the adjacent existing sidewalk where upon a new concrete sidewalk was poured.

Representative photographs were also taken at this location that depict the UST removal, pre-restoration (water issue), and restoration activities and are provided in Appendix B. Photos 13 through 15 show the removal activities, while photos 16 through 18, and 26 depict the pre-restoration/restoration activities.

2.4 Management and Disposal of Soil and Water

During the removal of the USTs, soil, concrete and other solid debris was generated that required special handling and disposal. These materials were stockpiled in the temporary staging area and covered on a daily basis so as to minimize the potential migration and/or rainwater infiltration. After it was determined that all solid materials had been collected for this project, transportation and disposal of these items were provided by Modern Disposal Services, Inc., located in Model City, New York. In order to dispose this material at this facility, a limited waste characterization profile was required along with a Generator Waste Characterization Report since the material had been contaminated with a virgin petroleum product (in this case gasoline). That profile consisted of analyzing a composite sample of the staged soil (and other soil like material) for benzene, lead (using the Toxicity Characteristic Leaching Procedure) and ignitability for which the results for this sample are provided in Table 3 and a copy of the laboratory report(s) for these samples is provided in Appendix A. The results for the staged material were well below their associated regulatory limit indicating that they could be accepted at this facility. Approximately 145 tons of soil and debris were removed from the Site between December 20 and 21, 2004 and disposed at Modern Disposal Services, Inc. A copy of the Generator Waste Characterization Report along with copies of the bills of lading from Modern Disposal Services, Inc. (for transporting and disposing this material) is provided in Appendix C of this report.

In addition to the soil and other solid debris generated during this project, approximately 12,350 gallons of water was collected from the two UST excavations as a result of rainwater and leaking pipes draining into those excavations during the project along with the water that was present within each of the three USTs. This liquid was stored in a frac tank until December 14, 2004 when Green Environment Specialists, Inc. was contracted to transport the collected water for disposal at the WWTP. Prior to transporting this water, the WWTP required that a sample be collected and analyzed for benzene, toluene, ethylbenzene, xylene (BTEX), lead and mercury. An initial water sample was collected on December 6, 2004 which consisted of the water collected from USTs T5

and T6. That sample indicated that for the six constituents analyzed all but lead was within the WWTP limits for accepting the water. A second water sample was collected on December 9, 2004 after rainwater from the T5/T6 excavation was pumped into the frac tank, mixing with all the other water collected to date, and analyzed for lead. This second sample passed the WWTP allowable limit for lead. The results for these two water samples are provided in Table 4 and a copy of the laboratory report(s) for these samples is provided in Appendix A. Invoices from Green Environment Specialists, Inc. (transporter) to Royal Environmental Services, Inc. as well as between the City of Lock (WWTP) and Royal Environmental Services, Inc. are provided in Appendix C of this report.

3 Exploratory Test Pit

At the request of the NYSDEC Site representative an exploratory test pit was excavated. On December 20, 2004 a location was identified (see Figure 2) and approved in the field by the NYSDEC Site representative. While excavating the test pit located in the entrance way to the Site between Buildings 2 and 4 as depicted on Figure 2, a thin concrete slab was encountered beneath the asphalt pavement. After breaking through the concrete slab, soil was removed to a depth of approximately 4 feet below ground surface where a second concrete slab was encountered that did not yield to the excavating equipment being used. Soil from the excavation was staged adjacent to the exploratory test pit. In the vicinity and process of excavation odors were encountered; however, PID readings were negligible. In addition, soils removed from the test pit did not exhibit staining or sheens. Regardless of the field reading and observations made of the excavated material, representative soil samples were collected for laboratory analysis.

The initial analysis conducted was for petroleum products using USEPA Method 310.13. This analysis is commonly referred to as a "finger print analysis" and compares the results of the sample analyzed to established known standards of various petroleum products. The results for this sample are presented on Table 5 which indicated that the contaminant was not a petroleum product. A copy of the laboratory report(s) for these analysis is provided in Appendix A. Based on these results, a duplicate of the sample was then analyzed for VOCs and semi-volatile organic compounds (SVOCs) using USEPA Methods 8260 and 8270, respectively. These two methods analyzed the sample for specific VOCs and SVOCs; however, only seven VOCs and two SVOCs were detected at trace quantities well below their respective TAGM-RSCO and a summary of the detected constituents are provided in Table 6 and a copy of the laboratory report for this sample is provided in Appendix A.

After the soil sample was collected for analysis, the soil staged adjacent to the exploratory test pit was placed back into the excavation, compacted, and the surface was restored with a concrete slab. In addition to the analytical results presented in Tables 5 and 6, photographs were also taken to document this exploratory test pit. Photos 22, 23, and 25 in Appendix B of this report depict the approximate location of the test pit in relation to Walnut Street, the conditions encountered beneath the pavement, and the final restored surface, respectively.

4 Conclusions

The analytical results for the two UST excavations are all below their respective TAGM-RSCOs indicating that no additional soil removal is necessary. In addition, all materials generated during the removal activities have been properly disposed off-site at Modern Disposal Services (soil and other debris) or at the City of Lockport Waste Water Treatment Plant (water that was collected during the project). Based on the analytical results for the UST excavations and the supporting documentation for disposal, GM requests that NYSDEC close the Spill Report (NYSDEC Spill No. 9975547) for the Site.

With regards to the exploratory test pit requested by the NYSDEC, the analytical results for the soil sample collected are all below their respective TAGM-RSCOs and have been summarized and provided herein.

Tables

TABLE 1
POST REMOVAL SOIL SAMPLE RESULTS ^{(1) (2)}
UNDERGROUND STORAGE TANKS - T-5 AND T-6
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in mg/kg - ppm)

Sample Location ID: Laboratory ID: Parameter Date Collected:	Post Removal Samples						T-5/T-6 Soil Pile Results		TAGM 4046 Recommended Soil Cleanup Objectives ⁽³⁾	Maximum Detect Exceeds TAGM 4046?
	West SW A04-C238-01 12/8/2004	South SW A04-C238-02 12/8/2004	North SW A04-C238-03 12/8/2004	East SW A04-C238-04 12/8/2004	Bottom West A04-C238-05 12/8/2004	Bottom East A04-C238-06 12/8/2004	Discrete A04-C106-01 12/6/2004	Composite A04-C312-01 12/9/2004		
Benzene	ND (0.0012)	0.0028	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.012)	ND (0.0022)	ND (0.024)	0.06	No
Ethylbenzene	ND (0.0012)	0.006	ND (0.0012)	ND (0.0011)	0.071	ND (0.012)	0.0027	ND (0.024)	5.5	No
Toluene	ND (0.0012)	0.0046	ND (0.0012)	ND (0.0011)	0.040	0.017	0.0034	ND (0.024)	1.5	No
o-Xylene	ND (0.0012)	0.0069	ND (0.0012)	ND (0.0011)	0.130	0.013	0.0057	0.012 J	NA	--
p-Xylene	ND (0.0012)	0.020	ND (0.0012)	ND (0.0011)	0.280	0.015	0.012	0.025	NA	--
m-Xylene	ND (0.0012)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--
Total Xylenes	ND (0.0036)	0.026	ND (0.0036)	ND (0.0034)	0.410	0.028 J	0.017	0.025 J	1.2	No
Isopropylbenzene	ND (0.0012)	0.0032	ND (0.0012)	ND (0.0011)	0.027	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--
n-Propylbenzene	ND (0.0012)	0.017	ND (0.0012)	ND (0.0011)	0.110	ND (0.012)	0.0067	ND (0.024)	NA	--
p-Cymene	ND (0.0012)	0.0017	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--
1,2,4-Trimethylbenzene	ND (0.0012)	0.047	ND (0.0012)	0.0033	ND (0.012)	ND (0.012)	0.024	0.064	NA	--
1,3,5-Trimethylbenzene	ND (0.0012)	0.0074	ND (0.0012)	ND (0.0011)	0.180	ND (0.012)	0.0072	0.025	NA	--
n-Butylbenzene	ND (0.0012)	ND (0.0012)	ND (0.0012)	0.0021	0.160	ND (0.012)	0.015	ND (0.024)	NA	--
sec-Butylbenzene	0.003	ND (0.0012)	ND (0.0012)	ND (0.0011)	1.000	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--
tert-Butylbenzene	ND (0.0012)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--
Naphthalene	ND (0.0059)	0.056	0.0022 J	0.0051 J	0.790	2.5	0.47	4.3	13	No
Methyl-tert-butyl-ether	ND (0.0012)	ND (0.0012)	ND (0.0012)	ND (0.0011)	ND (0.012)	ND (0.012)	ND (0.0022)	ND (0.024)	NA	--

Notes:

1. Soil samples were collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for analysis of volatile organic compounds by Method 8021.
2. Soil samples were collected in accordance with the methodology outlined in a New York State Department of Environmental Conservation (NYSDEC) document titled *Spill Technology and Remediation Series (STARS) #1 - Petroleum-Contaminated Soil Guidance Policy*.
3. Since groundwater is anticipated to be encountered at depths greater than 35 feet below ground surface, and the native soil encountered at this location was of a silty-clay to clayey-silt consistency, the NYSDEC recommended that the post removal soil sampling results should be compared to the Recommended Soil Cleanup Standards (RSCS) listed in NYSDEC's *Technical and Administrative Guidance Memorandum (TAGM) #4046* in lieu of comparison to the Human Health Guidance Value (Ch) as provided in STARS #1 and as originally proposed in the *Underground Storage Tank Removal Work Plan*.
4. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
5. J - Indicates that the compound was detected, the preceding value is an estimated quantity.
6. NA - Not available

TABLE 2
POST REMOVAL SOIL SAMPLE RESULTS ^{(1) (2)}
UNDERGROUND STORAGE TANKS - 1,000 GALLON
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in mg/kg - ppm)

Sample Location ID: Laboratory ID: Parameter Date Collected:	Post Removal Samples					TAGM 4046 Recommended Soil Cleanup Objectives ⁽³⁾	Maximum Detect Exceeds TAGM 4046?
	North Sidewall 4 UST A04-C315-01 12/9/2004	South Sidewall 4 UST A04-C315-02 12/9/2004	West Sidewall BLD 4 A04-C312-04 12/9/2004	East Sidewall BLD 4 A04-C312-05 12/9/2004	Bottom BLDG 4 UST A04-C312-06 12/9/2004		
Benzene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0012)	0.06	No
Ethylbenzene	ND (0.001)	ND (0.0011)	0.0024	ND (0.0014)	0.0045	5.5	No
Toluene	ND (0.001)	ND (0.0011)	0.0012	ND (0.0014)	ND (0.0012)	1.5	No
o-Xylene	0.0012	0.011	ND (0.0011)	0.0022	ND (0.0012)	NA	--
m-Xylene	0.0018	0.0041	0.0034	0.0072	0.0049	NA	--
p-Xylene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--
Total Xylenes	0.003 J	0.015	0.0034	0.0094	0.0049	1.2	No
Isopropylbenzene	0.002	0.017	ND (0.0011)	ND (0.0014)	0.002	NA	--
n-Propylbenzene	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--
p-Cymene	ND (0.001)	0.028	ND (0.0011)	0.0051	ND (0.0012)	NA	--
1,2,4-Trimethylbenzene	ND (0.001)	ND (0.0011)	0.003	ND (0.0014)	0.0059	NA	--
1,3,5-Trimethylbenzene	ND (0.001)	0.0092	0.0038	ND (0.0014)	0.0065	NA	--
n-Butylbenzene	0.0018	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--
sec-Butylbenzene	0.0012	0.020	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--
tert-Butylbenzene	ND (0.001)	0.029	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--
Naphthalene	0.0024 J	0.0049 J	0.0047 J	ND (0.0069)	ND (0.006)	13	No
Methyl-tert-butyl-ether	ND (0.001)	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0012)	NA	--

Notes:

1. Soil samples were collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for analysis of volatile organic compounds by Method 8021.
2. Soil samples were collected in accordance with the methodology outlined in a New York State Department of Environmental Conservation (NYSDEC) document titled *Spill Technology and Remediation Series (STARS) #1 - Petroleum-Contaminated Soil Guidance Policy*.
3. Since groundwater is anticipated to be encountered at depths greater than 35 feet below ground surface, and the native soil encountered at this location was of a silty-clay to clayey-silt consistency, the NYSDEC recommended that the post removal soil sampling results should be compared to the Recommended Soil Cleanup Standards (RSCS) listed in NYSDEC's *Technical and Administrative Guidance Memorandum (TAGM) #4046* in lieu of comparison to the Human Health Guidance Value (Ch) as provided in STARS #1 and as originally proposed in the *Underground Storage Tank Removal Work Plan*.
4. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
5. J - Indicates that the compound was detected, the preceding value is an estimated quantity.
6. NA - Not available

TABLE 3
STAGED EXCAVATED SOIL FOR OFFSITE DISPOSAL
UNDERGROUND STORAGE TANK REMOVAL PROJECT
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in ppm)

Sample ID:		Staged Soil	Regulatory Limit
Laboratory ID:		A04-C312-07	
Parameter	Date Collected:	12/10/2004	
Volatile Organic Compound (mg/kg)			
Benzene		0.11	0.5 (see note 7)
TCLP - Inorganics (mg/L)			
Lead		ND (0.005)	5.0
Other Characteristics			
Ignitability/Flashpoint		> 200 deg. F	140 deg. F

Notes:

1. Soil sample was collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for the analysis shown in the above table.
2. mg/kg - milligrams/kilogram - ppm.
3. mg/L - milligrams/liter - ppm.
4. TCLP - Toxicity Characteristic Leaching Procedure.
5. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
6. deg. F - Degrees Fahrenheit.
7. To convert the soil result in mg/kg to a TCLP equivalent, divide the result by 20 for dilution conducted during preparation of the soil sample for TCLP analysis. That value would be the maximum concentration possible to be extracted during the TCLP analysis.

TABLE 4
UST PURGE WATER AND EXCAVATION WATER
UNDERGROUND STORAGE TANK REMOVAL PROJECT
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in mg/L - ppm)

Sample ID: Laboratory ID:		T5/T6 Water A04-C105-01	Staged Water A04-C312-02
Parameter	Date Collected:	12/6/2004	12/9/2004
Volatile Organic Compounds (BTEX)			
Benzene		0.220	--
Ethylbenzene		0.100	--
Toluene		0.540	--
o-Xylene		0.460	--
m-Xylene		0.220	--
p-Xylene		ND (0.008)	--
Inorganics (Lead & Mercury)			
Lead		0.5 (See Note 4)	0.15 (See Note 4)
Mercury		ND (0.00020)	--

Notes:

1. Water samples were collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for the analysis shown in the above table.
2. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
3. -- - Indicates that the sample was not analyzed for the respective compound.
4. The initial result for lead failed the allowable limits of 0.20 ppm at the City of Lockport Waste Water Plant. Between 12/6/04 and 12/9/04, rainwater entered the tank excavations and was added to the original quantity of water recovered from UST T-5 and T-6. As such a second analysis for lead was conducted for all collected water for which the result was less than the allowable limit of 0.20 ppm at the City of Lockport Waste Water Plant.

TABLE 5
SUMMARY OF "FINGER PRINT" ANALYSIS FOR PETROLEUM PRODUCT ^{(1) (2)}
TEST PIT LOCATED ADJACENT TO NORTHWEST CORNER OF BUILDING 2
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in mg/kg - ppm)

Parameter	Sample Location ID:	NW Corner
	Laboratory ID:	Bldg 2 Test Pit
	Date Collected:	A04-C705-01
		12/20/2004
Kerosene		12 J
Gasoline		12 J
Motor Oil		12 J
Fuel Oil #2		12 J
Fuel Oil #4		12 J
Fuel Oil #6		12 J
Other		730

Notes:

1. Soil samples were collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for analysis of petroleum products by Method 310.13.
2. Soil samples were collected in accordance with the methodology outlined in a New York State Department of Environmental Conservation (NYSDEC) document titled *Spill Technology and Remediation Series (STARS) #1 - Petroleum-Contaminated Soil Guidance Policy*.
3. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
4. J - Indicates that the compound was detected, the preceeding value is an estimated quantity.

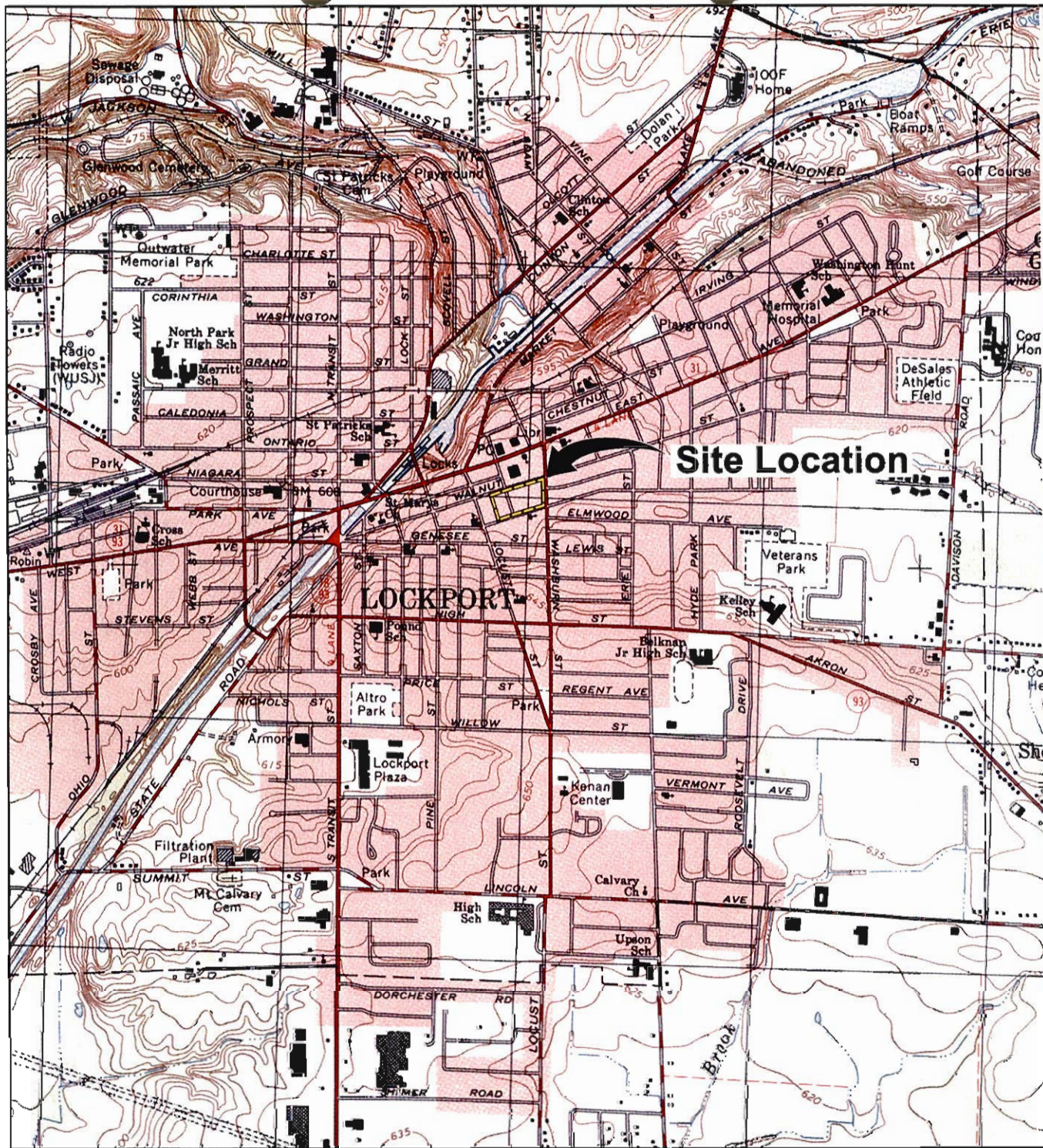
TABLE 6
SUMMARY OF DETECTED CONSTITUENTS IN SOIL ^{(1) (2)}
TEST PIT LOCATED ADJACENT TO NORTHWEST CORNER OF BUILDING 2
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
(Results presented in mg/kg - ppm)

Sample Location ID: Laboratory ID: Parameter Date Collected:		NW Corner Bldg 2 Test Pit A04-C705-01 12/20/2004	TAGM 4046 Recommended Soil Cleanup Objectives ⁽³⁾	Detected Concentration Exceeds TAGM 4046?
Volatile Organic Compounds				
Acetone		0.048	0.2	No
2-Butanone		0.007 J	0.3	No
Carbon Disulfide		0.001 J	2.7	No
Ethylbenzene		0.022	5.5	No
Isopropylbenzene		0.045	NA	--
Methylcyclohexane		0.009	NA	--
Total Xylenes		0.031	1.2	No
Semi-Volatile Organic Compounds				
2-Methylnaphthalene		0.240 J	36.4	No
Naphthalene		0.220 J	13	No

Notes:

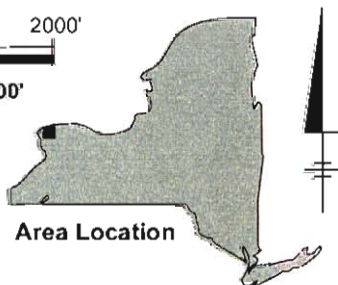
1. Soil samples were collected by BBL Environmental Services, Inc. and submitted to Severn Trent Laboratories, Inc. for analysis of volatile organic compounds by Method 8260 and semi-volatile organic compounds by Method 8270.
2. Soil samples were collected in accordance with the methodology outlined in a New York State Department of Environmental Conservation (NYSDEC) document titled *Spill Technology and Remediation Series (STARS) #1 - Petroleum-Contaminated Soil Guidance Policy*.
3. Since groundwater is anticipated to be encountered at depths greater than 35 feet below ground surface, and the native soil encountered at this location was of a silty-clay to clayey-silt consistency, the NYSDEC recommended that the soil sampling results be compared to the Recommended Soil Cleanup Standards (RSCS) listed in NYSDEC's *Technical and Administrative Guidance Memorandum (TAGM) #4046*.
4. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
5. J - Indicates that the compound was detected, the preceeding value is an estimated quantity.
6. NA - Not available

Figures



REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., LOCKPORT, NY, 1980.

2000' 0 2000'
Approximate Scale: 1" = 2000'



Area Location

GENERAL MOTORS/ENCORE
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
UNDERGROUND STORAGE TANK REMOVAL

SITE LOCATION MAP

BBL
ENVIRONMENTAL SERVICES, INC.
Remediation Management & Construction

FIGURE

1

EXCAVATION CONDUCTED BY
CITY OF LOCKPORT WATER
DEPARTMENT

EXCAVATION CONDUCTED BY
BBLES AT REQUEST OF
NYSDEC

ELM STREET

WALNUT STREET

STREET

WASHBURN

SOUTH STREET

REPORTED 1,000
GALLON UST

BLDG. 4

BLDG. 2

BLDG.
1

T6
(650 GALLON UST)
T5
(510 GALLON UST)

SEYMOUR ALLEY

BLDG.
1A

BLDG. 3

FORMER STORAGE YARD

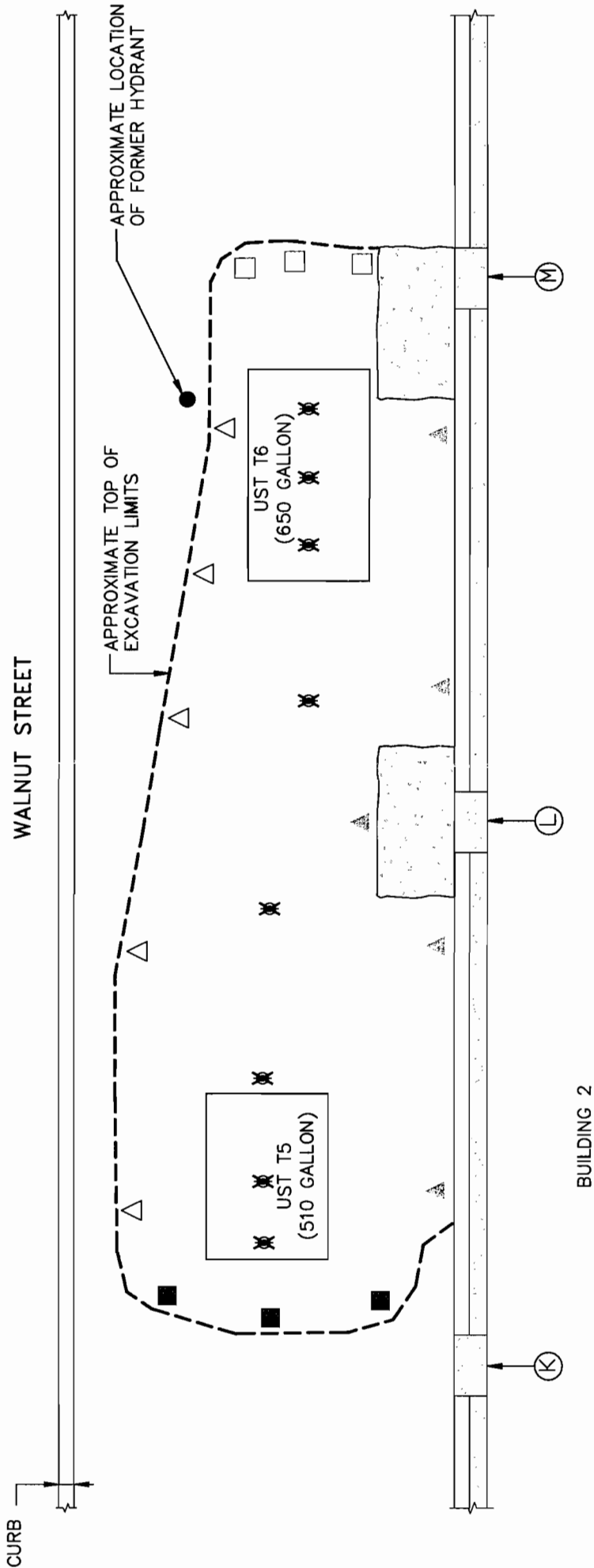
LEGEND:

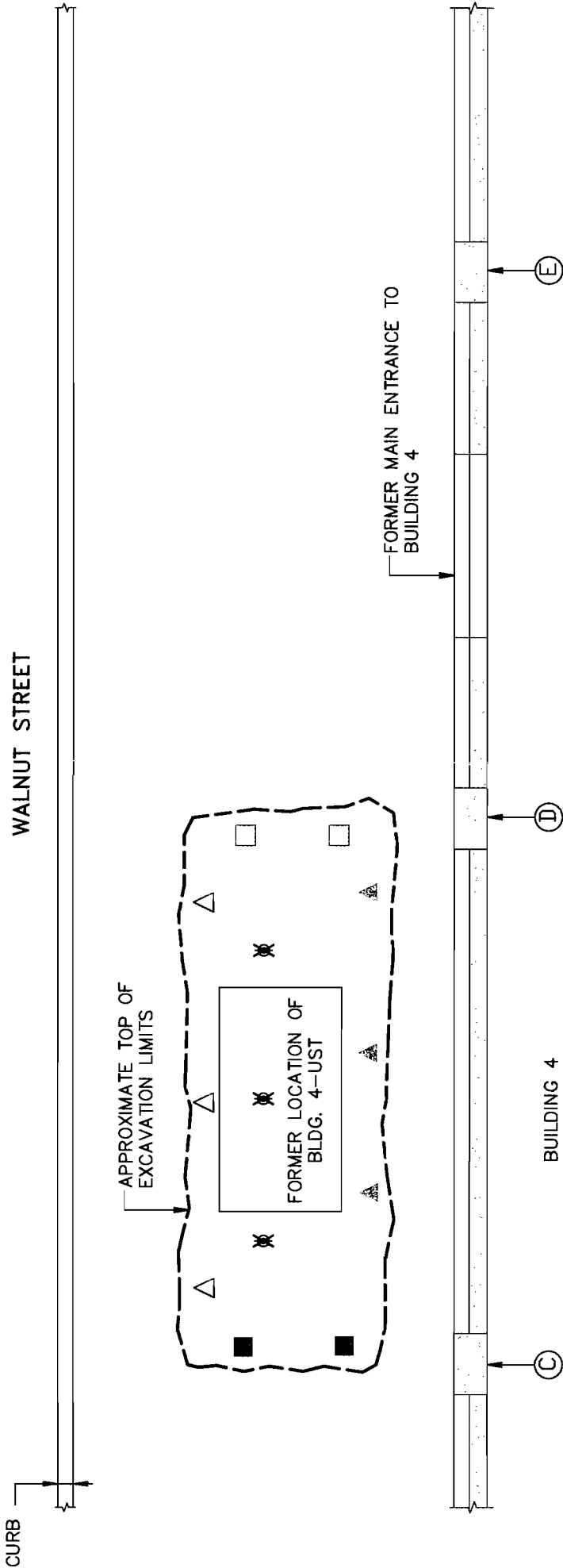
- PROPERTY LINE
- UNDERGROUND
STORAGE TANK

NOTES:

- THE GENERAL LAYOUT WAS OBTAINED FROM A PLAN PREPARED BY O'BRIEN & GERE, INC. TITLED "SITE PLAN AND UNDERGROUND STORAGE TANK DECOMMISSIONING PLAN", FIGURE 1, PRESENTED IN A REPORT TITLED "ENVIRONMENTAL AUDIT AND CLOSURE EVALUATIONS", DATED MAY 1987, NO SCALE WAS PROVIDED.
- THE GENERAL LOCATIONS FOR THE THREE FORMER UNDERGROUND STORAGE TANKS ARE BASED ON FIELD MEASUREMENTS.
- ALL LOCATIONS AND FEATURES ARE APPROXIMATE.





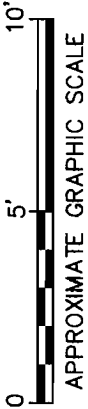


NOTES:

1. THE COLUMN LINES REFERENCED WERE OBTAINED FROM A DRAWING TITLED "PLANT NO. 1 1ST FLOOR & BASEMENT AREA" PREPARED BY THE MAINTENANCE OFFICE OF HARRISON RADIATOR DIVISION, GENERAL MOTORS CORP. - LOCKPORT, NY; ORIGINALLY DATED 5/5/55 AND REVISED AS OF 4/17/57, DRAWING NO. M.E.-5-35.
2. FOR BUILDING 4, COLUMN LINE "K" IS THE EASTERN SIDE OF THE BUILDING. COLUMN LINES DESCEND ALPHABETICALLY IN A WESTERLY DIRECTION TO COLUMN LINE "A" WHICH IS THE ORIGINAL WESTERN SIDE OF THE BUILDING. COLUMN LINE LABEL "I" WAS NOT USED FOR IDENTIFYING LOCATIONS WITHIN THIS BUILDING.
3. THE FORMER UNDERGROUND STORAGE TANK LOCATION (1,000 GALLON UST) IS APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. EXCAVATION LIMITS AND SAMPLE LOCATIONS ARE APPROXIMATE.

LEGEND:

- ⊗ BOTTOM COMPOSITE SAMPLE LOCATIONS (APPROXIMATE).
- △ NORTH SIDE WALL COMPOSITE SAMPLE LOCATIONS (APPROXIMATE).
- EAST SIDEWALL COMPOSITE SAMPLE LOCATIONS (APPROXIMATE).
- ▲ SOUTH SIDEWALL COMPOSITE SAMPLE LOCATIONS (APPROXIMATE).
- WEST SIDEWALL COMPOSITE SAMPLE LOCATIONS (APPROXIMATE).



GENERAL MOTORS/ENCORE
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK

UNDERGROUND STORAGE TANK REMOVAL

FORMER 1,000 GALLON UNDERGROUND
STORAGE TANK AND POST REMOVAL
SAMPLE LOCATIONS

BBL[®]
BLASLAND, BOUCK & LEE, INC.
engineers, scientists, economists

FIGURE
4

Appendices

Appendix A

Analytical Laboratory Reports

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#: A04-C106

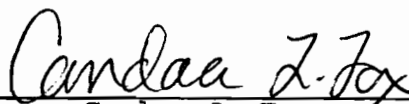
STL Project#: NY4A9367

Site Name:

Task: GM - Lockport

Craig Bruening, P.E.
6723 Towpath Road
Syracuse, NY 13214

STL Buffalo



Candace L. Fox
Project Manager

12/09/2004

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C10601	T5/T6 SOIL-D	12/06/2004	13:15	12/06/2004	15:00

METHODS SUMMARY

Job#: A04-C106STL Project#: NY4A9367

Site Name:

	<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
	METHOD 8021 - SIARS VOLATILE ORGANICS	SW8463 8021
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-C106STL Project#: NY4A9367

Site Name:

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, 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

A04-C106

Sample Cooler(s) were received at the following temperature(s); 5.2 °C
All samples were received in good condition.

GC Volatile 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.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
T5/T6 SOIL-D	A4C10601	8021	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

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.

Sample Data Package

Date: 12/09/2004
Time: 14:27:52

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	T5/T6 SOIL-D A04-c106 12/06/2004	A4c10601	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	2.2	NA		NA		NA	
Ethylbenzene	UG/KG	2.7	2.2	NA		NA		NA	
Toluene	UG/KG	3.4	2.2	NA		NA		NA	
o-Xylene	UG/KG	5.7	2.2	NA		NA		NA	
m-Xylene	UG/KG	12.1	2.2	NA		NA		NA	
p-Xylene	UG/KG	ND	2.2	NA		NA		NA	
Total Xylenes	UG/KG	17	6.8	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	2.2	NA		NA		NA	
n-Propylbenzene	UG/KG	6.7	2.2	NA		NA		NA	
p-Cymene	UG/KG	ND	2.2	NA		NA		NA	
1,2,4-Trimethylbenzene	UG/KG	24	2.2	NA		NA		NA	
1,3,5-Trimethylbenzene	UG/KG	7.2	2.2	NA		NA		NA	
n-Butylbenzene	UG/KG	15	2.2	NA		NA		NA	
sec-Butylbenzene	UG/KG	ND	2.2	NA		NA		NA	
tert-Butylbenzene	UG/KG	ND	2.2	NA		NA		NA	
Naphthalene	UG/KG	470	11	NA		NA		NA	
Methyl tert butyl ether	UG/KG	ND	2.2	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	96	76-127	NA		NA		NA	
Fluorobenzene	%	85	58-126	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/09/2004
Time: 14:28:06

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	VBLK107 A04-c106	A4C10602	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	0.20	NA		NA		NA	
Ethylbenzene	UG/KG	ND	0.20	NA		NA		NA	
Toluene	UG/KG	ND	0.20	NA		NA		NA	
o-Xylene	UG/KG	ND	0.20	NA		NA		NA	
m-Xylene	UG/KG	ND	0.20	NA		NA		NA	
p-Xylene	UG/KG	ND	0.20	NA		NA		NA	
Total Xylenes	UG/KG	ND	0.60	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	0.20	NA		NA		NA	
n-Propylbenzene	UG/KG	ND	0.20	NA		NA		NA	
p-Cymene	UG/KG	ND	0.20	NA		NA		NA	
1,2,4-Trimethylbenzene	UG/KG	ND	0.20	NA		NA		NA	
1,3,5-Trimethylbenzene	UG/KG	ND	0.20	NA		NA		NA	
n-Butylbenzene	UG/KG	ND	0.20	NA		NA		NA	
sec-Butylbenzene	UG/KG	ND	0.20	NA		NA		NA	
tert-Butylbenzene	UG/KG	ND	0.20	NA		NA		NA	
Naphthalene	UG/KG	ND	1.0	NA		NA		NA	
Methyl tert butyl ether	UG/KG	ND	0.20	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	96	76-127	NA		NA		NA	
Fluorobenzene	%	85	58-126	NA		NA		NA	

11/18

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/09/2004
Time: 14:28:06

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C106 A4c10603	Matrix Spike Blk Dup A04-C106 A4c10604	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	4.4	0.20	4.3	0.20	NA	0.20	NA	
Ethylbenzene	UG/KG	4.3	0.20	4.3	0.20	NA	0.20	NA	
Toluene	UG/KG	4.4	0.20	4.4	0.20	NA	0.20	NA	
o-Xylene	UG/KG	4.2	0.20	4.2	0.20	NA	0.20	NA	
m-Xylene	UG/KG	8.5 1	0.20	8.5 1	0.20	NA	0.20	NA	
p-Xylene	UG/KG	ND 1	0.20	ND 1	0.20	NA	0.20	NA	
Total Xylenes	UG/KG	13	0.60	13	0.60	NA	0.60	NA	
Isopropylbenzene	UG/KG	4.5	0.20	4.3	0.20	NA	0.20	NA	
n-Propylbenzene	UG/KG	4.1	0.20	4.1	0.20	NA	0.20	NA	
p-Cymene	UG/KG	4.2	0.20	4.0	0.20	NA	0.20	NA	
1,2,4-Trimethylbenzene	UG/KG	4.1	0.20	4.0	0.20	NA	0.20	NA	
1,3,5-Trimethylbenzene	UG/KG	4.0	0.20	4.0	0.20	NA	0.20	NA	
n-Butylbenzene	UG/KG	3.9	0.20	3.9	0.20	NA	0.20	NA	
sec-Butylbenzene	UG/KG	4.1	0.20	4.0	0.20	NA	0.20	NA	
tert-Butylbenzene	UG/KG	4.1	0.20	4.0	0.20	NA	0.20	NA	
Naphthalene	UG/KG	3.9	1.0	4.0	1.0	NA	1.0	NA	
Methyl tert butyl ether	UG/KG	3.8	0.20	3.6	0.20	NA	0.20	NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	97	76-127	95	76-127	NA	76-127	NA	
Fluorobenzene	%	87	58-126	86	58-126	NA	58-126	NA	

12/18

NA = Not Applicable ND = Not Detected

STL Buffalo

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	T5/T6 SOIL-D A04-C106 A4c10601				
Sample Date	12/06/2004 13:15				
Received Date	12/06/2004 15:00				
Extraction Date	12/08/2004 15:01				
Analysis Date	-				
Extraction HT Met?	YES				
Analytical HT Met?	SOIL				
Sample Matrix	10.0 LOW				
Dilution Factor	5.2 GRAMS				
Sample wt/vol	85.32				
% Dry					

Date: 12/09/2004
Time: 14:28:35

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID		Matrix Spike Blank		Matrix Spike Blk Dup	
Job No & Lab Sample ID		A04-c106	A4c10603	A04-c106	A4c10604
Sample Date		12/08/2004	13:59	12/08/2004	14:30
Received Date		-	-	-	-
Extraction Date		-	-	-	-
Analysis Date		-	-	-	-
Extraction HT Met?		-	-	-	-
Analytical HT Met?		-	-	-	-
Sample Matrix		SOIL	LOW	SOIL	LOW
Dilution Factor		1.0		1.0	
Sample wt/vol		5.0	GRAMS	5.0	GRAMS
% Dry		100.00		100.00	

NA = Not Applicable

STL Buffalo

Date: 12/09/2004
Time: 14:28:35

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8021 - STARS VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID				
	VBLK107 A04-C106 A4c10602				
Sample Date	12/08/2004 13:27				
Received Date	-				
Extraction Date	-				
Analysis Date	SOIL LOW				
Extraction HT Met?	1.0				
Analytical HT Met?	5.0 GRAMS				
Sample Matrix	100.00				
Dilution Factor					
Sample wt/vol					
% Dry					

Chain of Custody

SEVERN
TRENT
SERVICES

Severn Trent Laboratories, Inc.

Chain of Custody Number

Chain of Custody Number

BLASIANO BOUCH + LEE	CRAIG BRENNING	12/6/04	135029
-------------------------	----------------	---------	--------

Address	Telephone Number (Area Code)/Fax Number	Lab Number
---------	---	------------

6723	TOWPATH ROAD	(315) 146-9126 / (315) 449-0025	Page 1 of 1
------	--------------	---------------------------------	-------------

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)
5041	14	13211	140. P		

Project Name and Location (State)	Carrier/Waybill Number
PHILADELPHIA CHAIRS FOR CITY HOUSE	107-1567
	(*)
	S&P

GM - Lockport (NY)	317	Lead	Lead	Special Instructions/ Conditions of Receipt
Contract/Dispatch Order/Quote No.				

Contract Purchase Order/Quote No.	641.58.010
Matrix	
Containers & Preservatives	1000 71 3)
Contributions or Receipts	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres. H ₂ SO ₄ HNO ₃	HCl NaOH HOAc PVAZ
809311 Tc 100 Wx (1)								

[illegible][illegible][illegible][illegible][illegible][illegible]

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
--	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----

[illegible][illegible][illegible][illegible][illegible][illegible]

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☒ Poison B ☐ Unknown
☐ 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	QC Requirements (Specify)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	1. Relinquished By <u>10/1/11</u> Date <u>10/1/11</u> Time <u>10:00</u>
1. Received By <u>Level 2</u> Date <u>10/1/11</u> Time <u>10:00</u>	

12/16/04	1500	6000	12/0009	1500
----------	------	------	---------	------

2. Relinquished By: _____ Date: _____ Time: _____	2. Received by: _____ Date: _____ Time: _____
--	--

3. Relinquished By	Date	Time	3. Received By	Date	Time

[illegible]

250

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy.

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#: A04-C105

STL Project#: NY4A9367

Site Name:

Task: GM - Lockport

Craig Bruening, P.E.
6723 Towpath Road
Syracuse, NY 13214

STL Buffalo


Candace L. Fox
Project Manager

12/10/2004

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C10501	T5/T6 WATER	12/06/2004	13:00	12/06/2004	15:00
A4C10502	TRIP BLANK	12/06/2004		12/06/2004	15:00

METHODS SUMMARY

Job#: A04-C105STL Project#: NY4A9367

Site Name:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX	SW8463 8021
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7470

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-C105STL Project#: NY4A9367

Site Name:

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, 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

A04-C105

Sample Cooler(s) were received at the following temperature(s); 5.2 °C
All samples were received in good condition.

GC Volatile Data

For method 8021, sample T5/T6 WATER exhibited a pH >2 at the time of analysis. The analysis was performed within 7 days of sampling, therefore there is no impact on data usability.

Metals 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.

ate: 12/10/2004

ime: 17:05:38

Dilution Log w/Code Information

For Job A04-C105

6/28 Page: 1
Rept: AN1266R

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
T5/T6 WATER	A4C10501	8021	20.00	008
T5/T6 WATER	A4C10501MS	8021	20.00	008
T5/T6 WATER	A4C10501SD	8021	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

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.

Sample Data Package

Date: 12/10/2004
Time: 17:05:44

Rept: AN0326

GM - Lockport
METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Client ID	Lab ID	T5/T6 WATER		A4C10501					
Job No		A04-C105							
Sample Date		12/06/2004							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	220	4.0	NA		NA		NA	
Ethylbenzene	UG/L	100	4.0	NA		NA		NA	
Toluene	UG/L	540	4.0	NA		NA		NA	
m-Xylene	UG/L	460	8.0	NA		NA		NA	
o-Xylene	UG/L	220	4.0	NA		NA		NA	
p-Xylene	UG/L	ND	8.0	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	95	71-127	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

9/28

Date: 12/10/2004
Time: 17:05:50

GM - Lockport
TOTAL METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	T5/T6 WATER A04-C105 12/06/2004		A4C10501							
		Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total			MG/L	0.50	0.0050	NA		NA		NA	
Mercury - Total			MG/L	ND	0.00020	NA		NA		NA	

10/28

NA = Not Applicable ND = Not Detected

STL Buffalo

Chronology and QC Summary Package

Date: 12/10/2004
Time: 17:05:58

GM - Lockport
METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Rept: AN0326

Client ID	Lab ID	VBLK107 A04-C105	A4C10503						
Job No	Sample Date								
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	ND	0.20	NA		NA		NA	
Ethylbenzene	UG/L	ND	0.20	NA		NA		NA	
Toluene	UG/L	ND	0.20	NA		NA		NA	
m-Xylene	UG/L	ND	0.40	NA		NA		NA	
o-Xylene	UG/L	ND	0.20	NA		NA		NA	
p-Xylene	UG/L	ND	0.40	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	92	71-127	NA		NA		NA	

12/28

Date: 12/10/2004
Time: 17:05:58

GM - Lockport
METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Rept: AN0326

Client ID	Lab ID	MSB	A4C10504	T5/T6 WATER A04-C105 12/06/2004	Reporting Limit	Sample Value	T5/T6 WATER A04-C105 12/06/2004	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Job No		A04-C105									
Sample Date											
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Benzene	UG/L	3.6	0.20	300	4.0	310	NA	4.0	NA	NA	NA
Ethylbenzene	UG/L	3.8	0.20	190	4.0	190	NA	4.0	NA	NA	NA
Toluene	UG/L	3.7	0.20	630	4.0	630	NA	4.0	NA	NA	NA
m-Xylene	UG/L	7.6 1	0.40	640 1	8.0	630 1	NA	8.0	NA	NA	NA
o-Xylene	UG/L	3.9	0.20	310	4.0	300	NA	4.0	NA	NA	NA
p-Xylene	UG/L	ND 1	0.40	ND 1	8.0	ND 1	NA	8.0	NA	NA	NA
SURROGATE(S)											
a,a,a-Trifluorotoluene	%	93	71-127	95	71-127	94	NA	71-127	NA	NA	NA

13/28

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/10/2004
Time: 17:05:58

GM - Lockport
METHOD 8021 - AROMATIC VOLATILE ORGANICS - BIEX

Rept: AN0326

Client ID	Lab ID	TRIP BLANK	A4c10502						
Job No		A04-C105							
Sample Date		12/06/2004							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	ND	0.20	NA		NA		NA	
Ethylbenzene	UG/L	ND	0.20	NA		NA		NA	
Toluene	UG/L	ND	0.20	NA		NA		NA	
m-Xylene	UG/L	ND	0.40	NA		NA		NA	
o-Xylene	UG/L	ND	0.20	NA		NA		NA	
p-Xylene	UG/L	ND	0.40	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	92	71-127	NA		NA		NA	

14/28

Date: 12/10/2004
Time: 17:06:04

GM - Lockport
TOTAL METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Method Blank A04-C105 A482046202		Method Blank A04-C105 A482064302					
		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total		ND	0.0050	NA		NA		NA	
Mercury - Total		NA		ND	0.00020	NA		NA	

Date: 12/10/2004
Time: 17:06:04

GM - Lockport
TOTAL METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	LCS A04-C105		A4B2064301		LFB A04-C105		A4B2046201			
		Sample Value	Units	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	
Mercury - Total		0.0030	MG/L	0.00020		NA		0.0050		NA	
Lead - Total		NA	MG/L			0.21				NA	

16/28

SAMPLE DATE 12/06/2004

Client Sample ID: T5/T6 WATER T5/T6 WATER
 Lab Sample ID: A4C10501 A4C10501MS A4C10501SD

Analyte	Units of Measure	Sample	Concentration			Spike Amount		% Recovery		% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MS	MSD	MS	MSD		RPD	REC.
METHOD 8021 - AROMATIC VOLATILE ORGANICS												
Benzene	UG/L	222	303	308	80.0	102	80.0	107	105	5	30.0	76-119
Toluene	UG/L	536	627	626	80.0	114	80.0	113	114	0.	30.0	76-118
Ethylbenzene	UG/L	102	188	187	80.0	107	80.0	106	107	0.	30.0	79-119
m-Xylene	UG/L	465	635	631	160	106	160	104	105	2	30.0	80-117
o-Xylene	UG/L	219	306	302	80.0	109	80.0	103	106	6	30.0	79-117

17/28

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

Lient Sample ID: VBLK107 MSB
Lab Sample ID: A4C10503 A4C10504

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8021 - AROMATIC VOLATILE ORGANICS					
Benzene	UG/L	3.61	4.00	90	76-119
Toluene	UG/L	3.72	4.00	93	76-118
Ethylbenzene	UG/L	3.80	4.00	95	79-119
m-Xylene	UG/L	7.62	8.00	95	80-117
o-Xylene	UG/L	3.87	4.00	97	79-117

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date : 12/10/2004 17:06:19

Rept: AN0364

Client Sample ID: Method Blank LFB
Lab Sample ID: A4B2046202 A4B2046201

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
TOTAL METALS ANALYSIS	MG/L	0.212	0.200	106	80-120
TOTAL LEAD					

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

19/28

STL Buffalo

Date : 12/10/2004 17:06:19

Rept: AN0364

Client Sample ID: Method Blank
Lab Sample ID: A482064302

LCS
A482064301

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
TOTAL METALS ANALYSIS					
TOTAL MERCURY	MG/L	0.00302	0.00333	90	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 12/10/2004
Time: 17:06:27

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 1

METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Client Sample ID Job No & Lab Sample ID	T5/T6 WATER A04-c105 A4c10501				
Sample Date	12/06/2004 13:00				
Received Date	12/06/2004 15:00				
Extraction Date	12/07/2004 19:08				
Analysis Date	-				
Extraction HT Met?	YES				
Analytical HT Met?	WATER				
Sample Matrix	20.0				
Dilution Factor	0.005 LITERS				
Sample wt/vol % Dry					

NA = Not Applicable

STL Buffalo

Date: 12/10/2004
Time: 17:06:27

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Job No & Lab Sample ID	Client Sample ID	TRIP BLANK A04-C105 A4C10502				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/06/2004 12/06/2004 15:00 12/07/2004 15:41 - YES WATER 1.0 0.005 LITERS					

Date: 12/10/2004
Time: 17:06:27

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8021 - AROMATIC VOLATILE ORGANICS - BTEX

Job No & Lab Sample ID	Client Sample ID	MSB	T5/T6 WATER A04-C105 A4C10504	T5/T6 WATER A04-C105 A4C10501MS	T5/T6 WATER A04-C105 A4C10501SD	
Sample Date	12/07/2004	13:15				
Received Date	-	-				
Extraction Date	-	-				
Analysis Date	-	-				
Extraction HT Met?	-	-				
Analytical HT Met?	-	-				
Sample Matrix	WATER					
Dilution Factor	1.0					
Sample wt/vol	0.005	LITERS				
% Dry						

Date: 12/10/2004 17:06:33
Jobno: A04-C105

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT Matrix
A4C10501	T5/T6 WATER	MG/L	Mercury - Total	7470	1.00	12/06/2004 13:00	12/06 15:00	NA	NA	12/09 12:43	Yes WATER
		MG/L	Lead - Total	6010	1.00	12/06/2004 13:00	12/06 15:00	NA	NA	12/08 05:35	Yes WATER

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

25/28

STL Buffalo

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT	Matrix
A482046202	Method Blank	Mg/L	Lead - Total	6010	1.00	-	- 15:00	NA	NA	12/08 03:35	Yes	WATER
A482064302	Method Blank	Mg/L	Mercury - Total	7470	1.00	-	- 15:00	NA	NA	12/09 12:46	Yes	WATER
A482064301	LCS	Mg/L	Mercury - Total	7470	1.00	-	- 15:00	NA	NA	12/09 12:45	Yes	WATER
A482046201	LFB	Mg/L	Lead - Total	6010	1.00	-	- 15:00	NA	NA	12/08 03:40	Yes	WATER

Chain of Custody

SEVERN
TRENT
SERVICES

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
BUSLAND BACK + LEE	CRAIG BRENNING	12/6/04	135029
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
6723 TOWPATH ROAD	(315) 446-9126 / (315) 449-0025		

City	State	Zip Code	Site Contact	Lab Contact	Analysis (Attach list if more space is needed)				
Syracuse	NY	13214	Angelo Richardson	Caroline Fox					
Project Name and Location (State)			Carrier/Waybill Number						
GM - Lockport (NY)									
Special Instructions/									

Contract/Purchase Order/Quote No.	Matrix	Containers & Preservatives	Conditions of Receipt
644,68.010			(1208) 11/07/19 11/07/19 11/07/19

[illegible]

Possible Hazard Identification		Sample Disposal		(A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Poison B	☒ Unknown	
Turn Around Time Required			☐ Return To Client	☐ Disposal By Lab	☐ Archive For _____ Months
			QC Requirements (Specify)		

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____	Level 2 12/06/04 1500	
1. Relinquished By	Date 12/06/04 Time 1500	1. Received By Date Time
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

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#: A04-C238

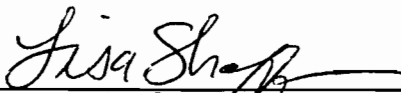
STL Project#: NY4A9367

Site Name:

Task: GM - Lockport

Craig Bruening, P.E.
6723 Towpath Road
Syracuse, NY 13214

STL Buffalo


for Candace L. Fox
Project Manager

12/15/2004

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C23806	BOTTOM EAST	12/08/2004	15:39	12/08/2004	16:15
A4C23805	BOTTOM WEST	12/08/2004	15:28	12/08/2004	16:15
A4C23804	EAST SW	12/08/2004	14:59	12/08/2004	16:15
A4C23803	NORTH SW	12/08/2004	14:56	12/08/2004	16:15
A4C23802	SOUTH SW	12/08/2004	14:54	12/08/2004	16:15
A4C23801	WEST SW	12/08/2004	14:50	12/08/2004	16:15

METHODS SUMMARY

Job#: A04-C238STL Project#: NY4A9367

Site Name:

	<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
	METHOD 8021 - STARS VOLATILE ORGANICS	SW8463 8021
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-C238STL Project#: NY4A9367

Site Name:

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, 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

A04-C238

Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC Volatile Data

For method 8021, several compounds exhibited a percent difference greater than 15% from the expected amount in the associated continuing calibrations. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

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.

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.
- † 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.

Sample Data Package

Date: 12/15/2004
Time: 16:09:36

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	BOTTOM EAST A04-C238 12/08/2004	A4C23806	BOTTOM WEST A04-C238 12/08/2004	A4C23805	EAST SW A04-C238 12/08/2004	A4C23804	NORTH SW A04-C238 12/08/2004	A4C23803
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	12	ND	12	ND	1.1	ND	1.2
Ethylbenzene	UG/KG	ND	12	71	12	ND	1.1	ND	1.2
Toluene	UG/KG	17	12	40	12	ND	1.1	ND	1.2
o-Xylene	UG/KG	13	12	130	12	ND	1.1	ND	1.2
m-Xylene	UG/KG	15	12	280	12	ND	1.1	ND	1.2
p-Xylene	UG/KG	1	12	ND	12	ND	1.1	ND	1.2
Total Xylenes	UG/KG	28 J	36	410	36	ND	3.4	ND	3.6
Isopropylbenzene	UG/KG	ND	12	27	12	ND	1.1	ND	1.2
n-Propylbenzene	UG/KG	ND	12	110	12	ND	1.1	ND	1.2
p-Cymene	UG/KG	ND	12	ND	12	ND	1.1	ND	1.2
1,2,4-Trimethylbenzene	UG/KG	ND	12	ND	12	3.3	1.1	ND	1.2
1,3,5-Trimethylbenzene	UG/KG	ND	12	180	12	ND	1.1	ND	1.2
n-Butylbenzene	UG/KG	ND	12	160	12	2.1	1.1	ND	1.2
sec-Butylbenzene	UG/KG	ND	12	1000	12	ND	1.1	ND	1.2
tert-Butylbenzene	UG/KG	ND	12	ND	12	ND	1.1	ND	1.2
Naphthalene	UG/KG	2500	61	790	59	5.1 J	5.7	2.2 J	6.0
Methyl tert butyl ether	UG/KG	ND	12	ND	12	ND	1.1	ND	1.2
SURROGATE(S)									
p-Bromofluorobenzene	%	NA	76-127	NA	76-127	90	66-134	88	66-134
a,a,a-Trifluorotoluene	%	91	58-126	90	58-126	79	76-127	82	76-127
Fluorobenzene	%	79		78		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:09:36

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date		Lab ID	SOUTH SW A04-C238 12/08/2004		A4C23802		WEST SW A04-C238 12/08/2004		A4C23801		Reporting Limit		Sample Value		Reporting Limit		Sample Value		Reporting Limit	
Analyte		Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene		UG/KG	2.8	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
Ethylbenzene		UG/KG	6.0	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
Toluene		UG/KG	4.6	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
o-Xylene		UG/KG	6.9	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
m-Xylene		UG/KG	20.1	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
p-Xylene		UG/KG	ND	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
Total Xylenes		UG/KG	26	3.7	ND	3.7	ND	3.6	NA	3.6	NA	3.6	NA	3.6	NA	3.6	NA	3.6	NA	3.6
Isopropylbenzene		UG/KG	3.2	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
n-Propylbenzene		UG/KG	17	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
p-Cymene		UG/KG	1.7	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
1,2,4-Trimethylbenzene		UG/KG	47	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
1,3,5-Trimethylbenzene		UG/KG	7.4	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
n-Butylbenzene		UG/KG	ND	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
sec-Butylbenzene		UG/KG	ND	1.2	ND	1.2	3.0	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
tert-Butylbenzene		UG/KG	ND	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
Naphthalene		UG/KG	56	6.1	ND	6.1	ND	5.9	NA	5.9	NA	5.9	NA	5.9	NA	5.9	NA	5.9	NA	5.9
Methyl tert butyl ether		UG/KG	ND	1.2	ND	1.2	ND	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2	NA	1.2
SURROGATE(S)																				
p-Bromofluorobenzene		%	85	66-134	96	66-134	96	66-134	NA	66-134	NA	66-134	NA	66-134	NA	66-134	NA	66-134	NA	66-134
a,a,a-Trifluorotoluene		%	84	76-127	85	76-127	85	76-127	NA	76-127	NA	76-127	NA	76-127	NA	76-127	NA	76-127	NA	76-127

NA = Not Applicable ND = Not Detected

STL Buffalo

9/20

Chronology and QC Summary Package

Date: 12/15/2004
Time: 16:09:50

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	VBLK141 A04-C238	A4C23807	VBLK67 A04-C238	A4C23810	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Ethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Toluene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
o-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
m-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
p-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Total Xylenes	UG/KG	ND	30	ND	3.0	NA	3.0	NA	3.0	NA	3.0
Isopropylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
n-Propylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
p-Cymene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,2,4-Trimethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
1,3,5-Trimethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
n-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
sec-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
tert-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
Naphthalene	UG/KG	ND	50	ND	5.0	NA	5.0	NA	5.0	NA	5.0
Methyl tert butyl ether	UG/KG	ND	10	ND	1.0	NA	1.0	NA	1.0	NA	1.0
SURROGATE(S)											
p-Bromofluorobenzene	%	NA	76-127	92	66-134	NA	66-134	NA	66-134	NA	66-134
a,a,a-Trifluorotoluene	%	90	58-126	78	76-127	NA	76-127	NA	76-127	NA	76-127
Fluorobenzene	%	79		NA		NA		NA		NA	

11/20

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:09:50

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C238	Matrix Spike Blank A4C23808	Matrix Spike Blank A04-C238	Matrix Spike Blank A4C23811	Matrix Spike Blk Dup A04-C238	Matrix Spike Blk Dup A4C23809	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	190	10	18	1.0	200	10	10	NA	
Ethylbenzene	UG/KG	200	10	17	1.0	200	10	10	NA	
Toluene	UG/KG	190	10	18	1.0	200	10	10	NA	
o-Xylene	UG/KG	190	10	18	1.0	190	10	10	NA	
m-Xylene	UG/KG	380	10	37	1.0	390	10	10	NA	
p-Xylene	UG/KG	ND	10	ND	1.0	ND	10	10	NA	
Total Xylenes	UG/KG	570	30	56	3.0	580	30	30	NA	
Isopropylbenzene	UG/KG	190	10	20	1.0	200	10	10	NA	
n-Propylbenzene	UG/KG	180	10	24	1.0	190	10	10	NA	
p-Cymene	UG/KG	180	10	21	1.0	180	10	10	NA	
1,2,4-Trimethylbenzene	UG/KG	180	10	22	1.0	180	10	10	NA	
1,3,5-Trimethylbenzene	UG/KG	180	10	22	1.0	190	10	10	NA	
n-Butylbenzene	UG/KG	170	10	22	1.0	170	10	10	NA	
sec-Butylbenzene	UG/KG	180	10	22	1.0	180	10	10	NA	
tert-Butylbenzene	UG/KG	180	10	20	1.0	180	10	10	NA	
Naphthalene	UG/KG	190	50	21	5.0	180	50	50	NA	
Methyl tert butyl ether	UG/KG	180	10	16	1.0	160	10	10	NA	
---SURROGATE(S)---										
p-Bromofluorobenzene	%	NA	76-127	103	66-134	NA	76-127	76-127	NA	
a,a-Trifluorotoluene	%	90	58-126	87	76-127	90	58-126	58-126	NA	
Fluorobenzene	%	79		NA		79			NA	

12/20

NA = Not Applicable ND = Not Detected

STL Buffalo

Client Sample ID: VBLK141 Matrix Spike Blank Matrix Spike Blk Dup
 Lab Sample ID: A4c23807 A4c23808 A4c23809

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup		SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 8021 - STARS VOLATILE ORGANICS												
Benzene	UG/KG	194	198		200	200	97	99	98	2	30.0	78-120
n-Butylbenzene	UG/KG	170	174		200	200	85	87	86	2	30.0	75-124
sec-Butylbenzene	UG/KG	176	183		200	200	88	92	90	4	30.0	78-122
tert-Butylbenzene	UG/KG	178	185		200	200	89	93	91	4	30.0	78-122
Ethylbenzene	UG/KG	196	198		200	200	98	99	99	1	30.0	79-120
Isopropylbenzene	UG/KG	194	198		200	200	97	99	98	2	30.0	80-121
p-Cymene	UG/KG	180	185		200	200	90	93	92	3	30.0	79-127
Naphthalene	UG/KG	189	179		200	200	95	90	93	5	30.0	70-130
n-Propylbenzene	UG/KG	184	191		200	200	92	96	94	4	30.0	61-128
Toluene	UG/KG	194	197		200	200	97	99	98	2	30.0	72-122
1,2,4-Trimethylbenzene	UG/KG	181	184		200	200	91	92	92	1	30.0	77-123
1,3,5-Trimethylbenzene	UG/KG	183	187		200	200	92	94	93	2	30.0	77-120
o-Xylene	UG/KG	190	194		200	200	95	97	96	2	30.0	77-120
m-Xylene	UG/KG	383	389		400	400	96	97	97	1	30.0	80-121
Total Xylenes	UG/KG	574	583		600	600	96	97	97	1	30.0	79-120
Methyl tert butyl ether	UG/KG	175	161		200	200	88	81	85	8	30.0	66-120

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

Client sample ID: VBLK67
 Lab sample ID: A4c23810

Matrix Spike Blank
 A4c23811

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8021 - STARS VOLATILE ORGANICS					
Benzene	UG/KG	17.6	20.0	88	78-120
n-Butylbenzene	UG/KG	22.4	20.0	112	75-124
sec-Butylbenzene	UG/KG	21.7	20.0	109	78-122
tert-Butylbenzene	UG/KG	20.5	20.0	103	78-122
Ethylbenzene	UG/KG	17.1	20.0	86	79-120
Isopropylbenzene	UG/KG	19.6	20.0	98	80-121
p-Cymene	UG/KG	21.2	20.0	106	79-127
Naphthalene	UG/KG	21.0	20.0	105	70-130
n-Propylbenzene	UG/KG	24.0	20.0	120	61-128
Toluene	UG/KG	18.3	20.0	92	72-122
1,2,4-Trimethylbenzene	UG/KG	22.1	20.0	110	77-123
1,3,5-Trimethylbenzene	UG/KG	21.5	20.0	108	77-120
o-Xylene	UG/KG	18.1	20.0	91	77-120
m-Xylene	UG/KG	37.4	40.0	94	80-121
Total Xylenes	UG/KG	55.6	60.0	93	79-120
Methyl tert butyl ether	UG/KG	15.8	20.0	79	66-120

Date: 12/15/2004
Time: 16:10:18

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 1

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	BOTTOM EAST A04-C238 A4C23806	BOTTOM WEST A04-C238 A4C23805	EAST SW A04-C238 A4C23804	NORTH SW A04-C238 A4C23803	SOUTH SW A04-C238 A4C23802
Sample Date	12/08/2004 15:39	12/08/2004 15:28	12/08/2004 14:59	12/08/2004 14:56	12/08/2004 14:54
Received Date	12/08/2004 16:15	12/08/2004 16:15	12/08/2004 16:15	12/08/2004 16:15	12/08/2004 16:15
Extraction Date	12/10/2004 12:20	12/10/2004 11:47	12/11/2004 22:58	12/11/2004 22:20	12/11/2004 21:42
Analysis Date	-	-	-	-	-
Extraction HT Met?	YES	YES	YES	YES	YES
Analytical HT Met?	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Matrix	1.0	1.0	1.0	1.0	1.0
Dilution Factor	5.04	5.14	1.06	1.0	1.0
Sample wt/vol	81.68	82.00	82.78	82.74	81.81
% Dry					

Date: 12/15/2004
Time: 16:10:18

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8021 - STARS VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	WEST SW A04-C238 A4C23801			
Sample Date	12/08/2004	14:50			
Received Date	12/08/2004	16:15			
Extraction Date	12/11/2004	21:04			
Analysis Date	-				
Extraction HT Met?	YES				
Analytical HT Met?	SOIL	LOW			
Sample Matrix	1.0				
Dilution Factor	1.01	GRAMS			
Sample wt/vol	83.31				
% Dry					

16/20

Date: 12/15/2004
Time: 16:10:18

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A04-C238 A4C23808	Matrix Spike Blank A04-C238 A4C23811	Matrix Spike Blk Dup A04-C238 A4C23809	
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/10/2004 10:41 - - SOIL MED 1.0 GRAMS 5.0 GRAMS 100.00	12/11/2004 19:38 - - SOIL LOW 1.0 GRAMS 1.0 GRAMS 100.00	12/10/2004 11:14 - - SOIL MED 1.0 GRAMS 5.0 GRAMS 100.00	

NA = Not Applicable

STL Buffalo

17/20

Date: 12/15/2004
Time: 16:10:18

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 4

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK141 A04-C238 A4C23807	VBLK67 A04-C238 A4C23810		
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/10/2004 10:04 - - SOIL MED 1.0 GRAMS 5.0 GRAMS 100.00	12/11/2004 17:17 - - SOIL LOW 1.0 GRAMS 1.0 GRAMS 100.00		

NA = Not Applicable

STL Buffalo

18/20

Chain of Custody Record

SEVERN
TRENT
SERVICES

Sewern Trent Laboratories, Inc.

STL-4124 (0901)

Client Bushard, Buck & Lee		Project Manager Craig Brenning		Date 12/8/04	Chain of Custody Number 134951
Address 10723 Tappan Rd.		Telephone Number (Area Code)/Fax Number (914) 446-9700 / (914) 449-0005		Lab Number	Page 1 of 1
City Syracuse	State NY	Zip Code 13214	Site Contact David King	Lab Contact Carole Fox	

Project Name and Location (State) Gill - Lockport, NY		Carrier/Waybill Number 57L	
Contract/Purchase Order/Quote No. 044.58.010			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Aqueous	Sol	Sol	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc	HNO2		
West SW	12/8/04	14:50		X		X							X	
South SW	12/8/04	14:54		X		X							X	
North SW	12/8/04	14:56		X		X							X	
East SW	12/8/04	14:59		X		X							X	
Bottom West	12/8/04	15:28		X		X							X	
Bottom East	12/8/04	15:39		X		X							X	

Possible Hazard Identification	Sample Disposal
☐ Non-Hazard ☐ Flammable ☒ Skin Irritant ☐ Poison B ☐ Unknown	☐ Disposal By Lab ☒ Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required	QC Requirements (Specify)
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other	1. Received By [Signature] Date 12/8/04 Time 15:18 2. Relinquished By [Signature] Date 12/8/04 Time 15:14 3. Relinquished By [Signature] Date 12/8/04 Time 15:14

Comments
Fax results to Craig Brenning w/ verbal results to David King by cell # 585.233.7046
7:00 PM

DISTRIBUTION: WHITE - Returned to Client with Report; CASHIARY - Stays with the Sample; PINK - Field Copy

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C31206	BOTTOM BLDG 4 UST	12/09/2004	16:10	12/10/2004	08:19
A4C31205	EAST SIDEWALL BLD4	12/09/2004	16:06	12/10/2004	08:19
A4C31207	STAGED SOIL	12/10/2004	07:28	12/10/2004	08:19
A4C31202	STAGED WATER	12/09/2004	13:10	12/10/2004	08:19
A4C31201	T5/T6 SOIL-C	12/09/2004	11:50	12/10/2004	08:19
A4C31204	WEST SIDEWALL BLD4	12/09/2004	15:57	12/10/2004	08:19

NON-CONFORMANCE SUMMARY

Job#: A04-C312STL Project#: NY4A9367

Site Name:

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, 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

A04-C312

Sample Cooler(s) were received at the following temperature(s); 6.0 °C

All samples were received in good condition.

GC Volatile Data

For method 8021, several compounds exhibited a percent difference greater than 15% from the expected amount in the associated continuing calibrations. The average of all analytes is within 15% and the associated laboratory quality control recoveries are compliant. No corrective action was required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

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.

<u>Client Sample ID</u>	<u>Lab Sample ID</u>	<u>Parameter (Inorganic)/Method (Organic)</u>	<u>Dilution</u>	<u>Code</u>
T5/T6 SOIL-C	A4C31201	8021	2.00	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

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.

Sample Data Package

Client ID Job No Sample Date	Lab ID	BOTTOM BLDG 4 UST A04-C312 12/09/2004		EAST SIDEWALL BLD4 A04-C312 12/09/2004		T5/T6 SOIL-C A04-C312 12/09/2004		WEST SIDEWALL BLD4 A04-C312 12/09/2004	
		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units								
Benzene	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
Ethylbenzene	UG/KG	4.5	1.2	ND	1.4	ND	24	2.4	1.1
Toluene	UG/KG	ND	1.2	ND	1.4	ND	24	1.2	1.1
o-Xylene	UG/KG	ND	1.2	2.2	1.4	12 J	24	ND	1.1
m-Xylene	UG/KG	4.9 1	1.2	7.2 1	1.4	25 1	24	3.4 1	1.1
p-Xylene	UG/KG	ND 1	1.2	ND 1	1.4	ND 1	24	ND 1	1.1
Total Xylenes	UG/KG	4.9	3.6	9.4	4.2	25 J	71	3.4	3.3
Isopropylbenzene	UG/KG	2.0	1.2	ND	1.4	ND	24	ND	1.1
n-Propylbenzene	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
p-Cymene	UG/KG	ND	1.2	5.1	1.4	ND	24	ND	1.1
1,2,4-Trimethylbenzene	UG/KG	5.9	1.2	ND	1.4	64	24	3.0	1.1
1,3,5-Trimethylbenzene	UG/KG	6.5	1.2	ND	1.4	25	24	3.8	1.1
n-Butylbenzene	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
sec-Butylbenzene	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
tert-Butylbenzene	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
Naphthalene	UG/KG	ND	6.0	ND	6.9	4300	120	4.7 J	5.6
Methyl tert butyl ether	UG/KG	ND	1.2	ND	1.4	ND	24	ND	1.1
SURROGATE(S)									
p-Bromofluorobenzene	%	93	66-134	92	66-134	108	66-134	95	66-134
a,a,a-Trifluorotoluene	%	82	76-127	81	76-127	113	76-127	93	76-127

Date: 12/15/2004
Time: 16:11:17

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	STAGED SOIL A04-C312 12/10/2004		A4C31207					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	110	12	NA		NA		NA	
a,a,a-Trifluorotoluene	%	90	76-127	NA		NA		NA	
Fluorobenzene	%	80	58-126	NA		NA		NA	

10/41

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:11:23

GM - Lockport
TOTAL METALS

Rept: AN0326

Client ID	Lab ID	STAGED WATER		A4C31202					
Job No		A04-C312							
Sample Date		12/09/2004							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/L	0.15	0.0050	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:11:23

GM - Lockport
TCLP METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	STAGED SOIL A04-C312 12/10/2004	A4C31207	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/L	ND	0.0050	NA		NA		NA	

Date: 12/15/2004
Time: 16:11:25

GM - Lockport
WET CHEMISTRY ANALYSIS

Rept: AN0326

Client ID	Lab ID	STAGED SOIL		A4C31207					
Job No		A04-C312							
Sample Date		12/10/2004							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
	°F	>200	0	NA		NA		NA	
Flashpoint									

NA = Not Applicable ND = Not Detected

STL Buffalo

Batch Quality Control Data

Date: 12/14/2004 12:36:05
Batch No: A4820816

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A4C31207

A4C31207MS

A4C31207SD

Analyte	Units of Measure	Sample	Concentration			% Recovery			% RPD	QC LIMITS RPD REC.	
			Matrix Spike	Spike Duplicate	Spike Amount MS	MS	MSD	Avg			
TCLP METALS ANALYSIS TCLP TOTAL LEAD	MG/L	0.00460	0.194	0.189	0.200	95	92	94	3	20.0	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A4C31901

A4C31901MS

A4C31901SD

Analyte	Units of Measure	Sample	Concentration		Spike Amount		% Recovery		% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD		RPD	REC.
TCLP-M: AS,BA,CD,CR,PB,HG,SE,AG											
TCLP TOTAL ARSENIC	MG/L	0.310	0.472	0.494	0.200	0.200	81	92	13	20.0	75-125
TCLP TOTAL BARIUM	MG/L	1.79	1.82	1.91	0.200	0.200	18 *	63 *	111 *	20.0	80-120
TCLP TOTAL CADMIUM	MG/L	0.0153	0.176	0.184	0.200	0.200	80	84	5	20.0	80-120
TCLP TOTAL CHROMIUM	MG/L	0.164	0.318	0.333	0.200	0.200	77 *	84	9	20.0	80-120
TCLP TOTAL LEAD	MG/L	0.00030	0.163	0.170	0.200	0.200	81	85	5	20.0	80-120
TCLP TOTAL SELENIUM	MG/L	0.00600	0.182	0.193	0.200	0.200	88	94	6	20.0	80-120
TCLP TOTAL SILVER	MG/L	0	0.0482	0.0509	0.0500	0.0500	96	102	6	20.0	75-125

Chronology and QC Summary Package

Date: 12/15/2004
Time: 16:11:31

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	VBLK137 A04-C312	A4C31208	VBLK67 A04-C312	A4C31210	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
Ethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
Toluene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
o-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
m-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
p-Xylene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
Total Xylenes	UG/KG	ND	30	ND	3.0	NA	3.0	NA		NA	
Isopropylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
n-Propylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
p-Cymene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
1,2,4-Trimethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
1,3,5-Trimethylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
n-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
sec-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
tert-Butylbenzene	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
Naphthalene	UG/KG	ND	50	ND	5.0	NA	5.0	NA		NA	
Methyl tert butyl ether	UG/KG	ND	10	ND	1.0	NA	1.0	NA		NA	
---SURROGATE(S)---											
p-Bromofluorobenzene	%	109	66-134	92	66-134	NA		NA		NA	
a,a,a-Trifluorotoluene	%	114	76-127	78	76-127	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:11:31

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	VBLK158 A04-C312		A4C31212							
		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene		ND	10	NA		NA		NA		NA	
a,a,a-Trifluorotoluene		90	76-127	NA		NA		NA		NA	
Fluorobenzene		79	58-126	NA		NA		NA		NA	

19/41

NA = Not Applicable ND = Not Detected

STL Buffalo

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C312 A4C31209		Matrix Spike Blank A04-C312 A4C31211			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	210	10	18	1.0	NA	NA
Ethylbenzene	UG/KG	210	10	17	1.0	NA	NA
Toluene	UG/KG	210	10	18	1.0	NA	NA
o-Xylene	UG/KG	210	10	18	1.0	NA	NA
m-Xylene	UG/KG	420 1	10	37 1	1.0	NA	NA
p-Xylene	UG/KG	ND 1	10	ND 1	1.0	NA	NA
Total Xylenes	UG/KG	630	30	56	3.0	NA	NA
Isopropylbenzene	UG/KG	220	10	20	1.0	NA	NA
n-Propylbenzene	UG/KG	220	10	24	1.0	NA	NA
p-Cymene	UG/KG	220	10	21	1.0	NA	NA
1,2,4-Trimethylbenzene	UG/KG	210	10	22	1.0	NA	NA
1,3,5-Trimethylbenzene	UG/KG	210	10	22	1.0	NA	NA
n-Butylbenzene	UG/KG	190	10	22	1.0	NA	NA
sec-Butylbenzene	UG/KG	200	10	22	1.0	NA	NA
tert-Butylbenzene	UG/KG	200	10	20	1.0	NA	NA
Naphthalene	UG/KG	160	50	21	5.0	NA	NA
Methyl tert butyl ether	UG/KG	190	10	16	1.0	NA	NA
-----SURROGATE(S)-----							
p-Bromofluorobenzene	%	111	66-134	103	66-134	NA	NA
a,a,a-Trifluorotoluene	%	115	76-127	87	76-127	NA	NA

Date: 12/15/2004
Time: 16:11:31

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C312 A4C31213		Matrix Spike Blk Dup A04-C312 A4C31214			
		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene		UG/KG					
		190	10	200	10	NA	
a,a,a-Trifluorotoluene		90	76-127	90	76-127	NA	
Fluorobenzene		79	58-126	79	58-126	NA	

Date: 12/15/2004
Time: 16:11:38

GM - Lockport
TOTAL METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Method Blank A04-C312		A482075202					
	Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	
Lead - Total		MG/L	ND	0.0050	NA	NA	NA	NA	

22/41

Date: 12/15/2004
Time: 16:11:38

GM - Lockport
TCLP METALS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Extractor Blank A04-C312		Method Blank A04-C312		A482081605			
		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total		Units		ND	0.0050	ND	0.0050	NA	NA
		MG/L							

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:11:38

Rept: AN0326

GM - Lockport
TOTAL METALS

Client ID Job No Sample Date	Lab ID	LFB A04-C312		A482075201					
		Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
			Lead - Total		MG/L	0.20	0.0050	NA	NA

Date: 12/15/2004
Time: 16:11:38

GM - Lockport
TCLP METALS

Rept: AN0326

Client ID	Lab ID	LCS	A04-C312	A4B2081601	STAGED SOIL A04-C312 12/10/2004	A4C31207MS	STAGED SOIL A04-C312 12/10/2004	A4C31207SD	
Job No									
Sample Date									
Analyte	Units	Sample Value	Reporting Limit		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Reporting Limit
Lead - Total	MG/L	0.19	0.0050		0.19	0.0050	0.19	0.0050	NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/15/2004
Time: 16:11:40

GM - Lockport
WET CHEMISTRY ANALYSIS

Rept: ANO326

Client ID	Lab ID	LCS	A04-C312	A4B2077001				
Job No								
Sample Date								
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	
Flashpoint	°F	80.05	0	NA		NA		
						NA		

26/41

Client Sample ID: VBLK67 Matrix Spike Blank
 Lab Sample ID: A4C31210 A4C31211

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8021 - STARS VOLATILE ORGANICS					
Benzene	UG/KG	17.6	20.0	88	78-120
n-Butylbenzene	UG/KG	22.4	20.0	112	75-124
sec-Butylbenzene	UG/KG	21.7	20.0	109	78-122
tert-Butylbenzene	UG/KG	20.5	20.0	103	78-122
Ethylbenzene	UG/KG	17.1	20.0	86	79-120
Isopropylbenzene	UG/KG	19.6	20.0	98	80-121
p-Cymene	UG/KG	21.2	20.0	106	79-127
Naphthalene	UG/KG	21.0	20.0	105	70-130
n-Propylbenzene	UG/KG	24.0	20.0	120	61-128
Toluene	UG/KG	18.3	20.0	92	72-122
1,2,4-Trimethylbenzene	UG/KG	22.1	20.0	110	77-123
1,3,5-Trimethylbenzene	UG/KG	21.5	20.0	108	77-120
o-Xylene	UG/KG	18.1	20.0	91	77-120
m-Xylene	UG/KG	37.4	40.0	94	80-121
Total Xylenes	UG/KG	55.6	60.0	93	79-120
Methyl tert butyl ether	UG/KG	15.8	20.0	79	66-120

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

Date : 12/15/2004 16:11:54

SAMPLE DATE 12/10/2004

Rept: AN0364

Client Sample ID: STAGED SOIL
Lab Sample ID: A4C31207STAGED SOIL
A4C31207MSSTAGED SOIL
A4C31207SD

Analyte	Units of Measure	Sample	Concentration			Spike Amount		% Recovery			QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MS	MSD	MS	MSD	Avg	% RPD	REC.
TCLP METALS ANALYSIS TCLP TOTAL LEAD	Mg/L	0.00460	0.194	0.189	0.200	0.200	0.200	95	92	94	3	20.0 80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

STL Buffalo

30/41

Client Sample ID: Method Blank LFB
Lab Sample ID: A4B2075202 A4B2075201

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
TOTAL METALS ANALYSIS					
TOTAL LEAD	MG/L	0.197	0.200	98	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	BOTTOM BLDG 4 UST A04-C312 A4C31206	EAST SIDEWALL BLD4 A04-C312 A4C31205	STAGED SOIL A04-C312 A4C31207	T5/T6 SOIL-C A04-C312 A4C31201	WEST SIDEWALL BLD4 A04-C312 A4C31204
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/09/2004 16:10 12/10/2004 08:19 12/12/2004 00:53 - YES SOIL LOW 1.0 GRAMS 1.02 GRAMS 82.35	12/09/2004 16:06 12/10/2004 08:19 12/12/2004 00:15 - YES SOIL LOW 1.0 GRAMS 1.01 GRAMS 71.32	NA	12/09/2004 11:50 12/10/2004 08:19 12/12/2004 01:16 - YES SOIL MED 2.0 GRAMS 5.11 GRAMS 82.62	12/09/2004 15:57 12/10/2004 08:19 12/11/2004 23:36 - YES SOIL LOW 1.0 GRAMS 1.06 GRAMS 84.62

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	BOTTOM BLDG 4 UST A04-C312 A4C31206	EAST SIDEWALL BLD4 A04-C312 A4C31205	STAGED SOIL A04-C312 A4C31207	T5/T6 SOIL-C A04-C312 A4C31201	WEST SIDEWALL BLD4 A04-C312 A4C31204
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	NA	NA	12/10/2004 07:28 12/10/2004 08:19 12/10/2004 18:25 - YES SOIL MED 1.0 GRAMS 5.18 GRAMS 81.14	NA	NA

Date: 12/15/2004 16:12:10
Jobno: A04-C312

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0369

Lab ID	Sample ID	Units	Analyte	Method	Dilution Factor	Sample Date	Receive Date	TCLP Date	THT	Analysis Date	AHT Matrix
A4C31207	STAGED SOIL	°F	Flashpoint	1010	1.00	12/10/2004 07:28	12/10 08:19	NA	NA	12/10 13:45	Yes SOIL

AHT = Analysis Holding Time Met
THT = TCLP Holding Time Met
NA = Not Applicable

STL Buffalo

Chain of
Custody Record

STL-4124 (0901)

Client: **BLASLAND BUCK & LEE** Project Manager: **CRAIG BRENNING** Date: **12/9/04** Chain of Custody Number: **134952**
 Address: **6723 TOWPATH ROAD** Telephone Number (Area Code)/Fax Number: **(315) 446-9120 / (315) 449-0025** Lab Number: **134952**
 City: **SYRACUSE** State: **NY** Zip Code: **13214** Site Contact: **David Knight** Lab Contact: **Carrie Fox** Page: **1** of **1**

Project Name and Location (State): **GM - Lakewood (NY)** Carrier/Waybill Number: **444-58-010**
 Contract/Purchase Order/Quote No.: **644-58-010**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix					Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
			Asph	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc	HOAc		
T5/T6 Soil - C	12/9/04	11:50			X	X							Total Lead Total Cadmium Total Benzene Total PCBs	1400 TAT
staged Water	12/9/04	13:10	X					X						
North Sidewalk Bldg A WST	12/9/04	15:55		X		X								
West Sidewalk Bldg A WST	12/9/04	15:57		X		X								
South Sidewalk Bldg A WST	12/9/04	16:00		X		X								
East Sidewalk Bldg A WST	12/9/04	16:06		X		X								
Roofing Bldg A WST	12/9/04	16:10		X		X								
staged Soil (2 jars)	12/10/04	7:28		X		X								
	12/10/04													

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return To Client ☐ Disposal By Lab ☒ Archive For ☐ Months ☐ Months (A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify):
 1. Received By: **Joe Joe** Date: **12-10-04** Time: **6:25**
 2. Received By: **Joe Joe** Date: **12-10-04** Time: **0819**
 3. Received By: **Joe Joe** Date: **12-10-04** Time: **0819**

Comments: **6.0°C**
 DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

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#: A04-C315

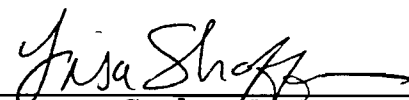
STL Project#: NY4A9367

Site Name:

Task: GM - Lockport

Craig Bruening, P.E.
6723 Towpath Road
Syracuse, NY 13214

STL Buffalo



Candace L. Fox
Project Manager

12/15/2004

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>		<u>RECEIVED</u>	
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C31501	NORTH SIDEWALL 4 UST	12/09/2004	15:55	12/10/2004	08:19
A4C31502	SOUTH SIDEWALL 4 UST	12/09/2004	16:00	12/10/2004	08:19

METHODS SUMMARY

Job#: A04-C315STL Project#: NY4A9367

Site Name:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8021 - STARS VOLATILE ORGANICS	SW8463 8021

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-C315STL Project#: NY4A9367
Site Name: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, 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

A04-C315

Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.

GC Volatile Data

For method 8021, the Matrix Spike Blank recovery for n-Propylbenzene is above quality control limits. However, since target analytes were non-detect in the samples and the high recoveries would yield a high bias, no further corrective action was necessary.

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.

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.

Sample Data Package

Date: 12/15/2004
Time: 16:17:23

Rept: AN0326

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Client ID Job No Sample Date	Lab ID	NORTH SIDEWALL 4 UST A04-C315 12/09/2004		SOUTH SIDEWALL 4 UST A04-C315 12/09/2004		A4C31501 Reporting Limit		A4C31502 Reporting Limit		Sample Value		Reporting Limit		Sample Value		Reporting Limit	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	UG/KG	1.2	1.0	1.2	1.1	1.1	1.1	1.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA
m-Xylene	UG/KG	1.8	1.0	1.8	1.1	4.1	1.1	4.1	1.1	NA	NA	NA	NA	NA	NA	NA	NA
p-Xylene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	UG/KG	3.0 J	3.1	3.0	3.2	15	3.2	15	3.2	NA	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	2.0	1.0	2.0	1.1	17	1.1	17	1.1	NA	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
p-Cymene	UG/KG	ND	1.0	ND	1.1	28	1.1	28	1.1	NA	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	UG/KG	ND	1.0	ND	1.1	9.2	1.1	9.2	1.1	NA	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	UG/KG	1.8	1.0	1.8	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	UG/KG	1.2	1.0	1.2	1.1	20	1.1	20	1.1	NA	NA	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	UG/KG	ND	1.0	ND	1.1	29	1.1	29	1.1	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	UG/KG	2.4 J	5.2	2.4	5.3	ND	5.3	ND	5.3	NA	NA	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	UG/KG	ND	1.0	ND	1.1	ND	1.1	ND	1.1	NA	NA	NA	NA	NA	NA	NA	NA
SURROGATE(S)																	
a,a,a-Trifluorotoluene	%	86	76-127	86	76-127	86	76-127	86	76-127	NA	NA	NA	NA	NA	NA	NA	NA
Fluorobenzene	%	66	58-126	65	58-126	65	58-126	65	58-126	NA	NA	NA	NA	NA	NA	NA	NA

NA = Not Applicable ND = Not Detected

STL Buffalo

8/17

Chronology and QC Summary Package

Client ID Job No Sample Date	Lab ID	VBLK205 A04-C315	A4C31503	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	ND	1.0	NA		NA		NA	
Ethylbenzene	UG/KG	ND	1.0	NA		NA		NA	
Toluene	UG/KG	ND	1.0	NA		NA		NA	
o-Xylene	UG/KG	ND	1.0	NA		NA		NA	
m-Xylene	UG/KG	ND	1.0	NA		NA		NA	
p-Xylene	UG/KG	ND	1.0	NA		NA		NA	
Total Xylenes	UG/KG	ND	3.0	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	1.0	NA		NA		NA	
n-Propylbenzene	UG/KG	ND	1.0	NA		NA		NA	
p-Cymene	UG/KG	ND	1.0	NA		NA		NA	
1,2,4-Trimethylbenzene	UG/KG	ND	1.0	NA		NA		NA	
1,3,5-Trimethylbenzene	UG/KG	ND	1.0	NA		NA		NA	
n-Butylbenzene	UG/KG	ND	1.0	NA		NA		NA	
sec-Butylbenzene	UG/KG	ND	1.0	NA		NA		NA	
tert-Butylbenzene	UG/KG	ND	1.0	NA		NA		NA	
Naphthalene	UG/KG	ND	5.0	NA		NA		NA	
Methyl tert butyl ether	UG/KG	ND	1.0	NA		NA		NA	
SURROGATE(S)									
a,a,a-Trifluorotoluene	%	90	76-127	NA		NA		NA	
Fluorobenzene	%	71	58-126	NA		NA		NA	

Date: 12/15/2004
Time: 16:17:36

GM - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	MSB A04-C315	A4C31504	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/KG	20	1.0	NA	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	20	1.0	NA	NA	NA	NA	NA	NA
Toluene	UG/KG	23	1.0	NA	NA	NA	NA	NA	NA
o-Xylene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
m-Xylene	UG/KG	40 1	1.0	NA	NA	NA	NA	NA	NA
p-Xylene	UG/KG	ND 1	1.0	NA	NA	NA	NA	NA	NA
Total Xylenes	UG/KG	59	3.0	NA	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	20	1.0	NA	NA	NA	NA	NA	NA
n-Propylbenzene	UG/KG	27	1.0	NA	NA	NA	NA	NA	NA
p-Cymene	UG/KG	20	1.0	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
1,3,5-Trimethylbenzene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
n-Butylbenzene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
tert-Butylbenzene	UG/KG	19	1.0	NA	NA	NA	NA	NA	NA
Naphthalene	UG/KG	17	5.0	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	UG/KG	18	1.0	NA	NA	NA	NA	NA	NA
---SURROGATE(S)---									
a,a,a-Trifluorotoluene	%	90	76-127	NA	NA	NA	NA	NA	NA
Fluorobenzene	%	69	58-126	NA	NA	NA	NA	NA	NA

NA = Not Applicable ND = Not Detected

STL Buffalo

11/17

Client Sample ID: VBLK205 MSB
 Lab Sample ID: A4C31503 A4C31504

Analyte	Units of Measure	Concentration		% Recovery Blank Spike	QC LIMITS
		Blank Spike	Spike Amount		
METHOD 8021 - STARS VOLATILE ORGANICS					
Benzene	UG/KG	19.8	20.0	99	78-120
n-Butylbenzene	UG/KG	19.0	20.0	95	75-124
sec-Butylbenzene	UG/KG	19.2	20.0	96	78-122
tert-Butylbenzene	UG/KG	18.9	20.0	95	78-122
Ethylbenzene	UG/KG	19.9	20.0	100	79-120
Isopropylbenzene	UG/KG	19.9	20.0	100	80-121
p-Cymene	UG/KG	19.8	20.0	99	79-127
Naphthalene	UG/KG	17.2	20.0	86	70-130
n-Propylbenzene	UG/KG	27.3	20.0	136 *	61-128
Toluene	UG/KG	22.7	20.0	114	72-122
1,2,4-Trimethylbenzene	UG/KG	19.0	20.0	95	77-123
1,3,5-Trimethylbenzene	UG/KG	18.9	20.0	95	77-120
o-Xylene	UG/KG	18.9	20.0	95	77-120
m-Xylene	UG/KG	39.6	40.0	99	80-121
Total Xylenes	UG/KG	58.6	60.0	98	79-120
Methyl tert butyl ether	UG/KG	17.7	20.0	89	66-120

* Indicates Result is outside QC Limits
 NC = Not Calculated ND = Not Detected

Date: 12/15/2004
Time: 16:18:04

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 1

METHOD 8021 - STARS VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	NORTH SIDEWALL 4 UST A04-C315 A4C31501	SOUTH SIDEWALL 4 UST A04-C315 A4C31502		
Sample Date	12/09/2004	15:55	12/09/2004	16:00	
Received Date	12/10/2004	08:19	12/10/2004	08:19	
Extraction Date	12/14/2004	10:42	12/14/2004	11:16	
Analysis Date	-	-	-	-	
Extraction HT Met?	YES	YES	YES	YES	
Analytical HT Met?	SOIL	SOIL	SOIL	SOIL	
Sample Matrix	LOW	LOW	LOW	LOW	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	1.15	GRAMS	1.18	GRAMS	
% Dry	83.04		79.68		

Date: 12/15/2004
Time: 16:18:04

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MSB A04-C315 A4C31504				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	12/13/2004	15:51			
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL	LOW			
Dilution Factor	1.0				
Sample wt/vol	100.00	GRAMS			
% Dry					

NA = Not Applicable

STL Buffalo

14/17

Date: 12/15/2004
Time: 16:18:04

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8021 - STARS VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBK205 A04-C315 A4C31503				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/13/2004 15:16 - - SOIL LOW 1.0 1.0 GRAMS 100.00				

NA = Not Applicable

STL Buffalo

Chain of Custody

**SEVERN
TRENTH
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client BLASLAND ROCK - LEF		Project Manager CRAIG BREUNING		Chain of Custody Number 134952	
Address 6723 TASPETH ROAD		Telephone Number (Area Code)/Fax Number (315) 416-9120 / (315) 1149-0025		Date 12/9/04	
City SYRACUSE		Site Contact DAVID KING		Lab Number	
State NY		Zip Code 13211		Page 1 of 1	
Project Name and Location (State) GM - Lakeland (NY)		Carrier/Waybill Number		Analysis (Attach list if more space is needed)	
Contract/Purchase Order/Quote No. 6411.58.010		Lab Contact ALAN BREUNING		Lab Contact CAROL FOX	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix		Containers & Preservatives							Total Lead	Total Benzene	Total Lead	Total Benzene	Total Lead	Total Benzene	Special Instructions/ Conditions of Receipt	
			As	Sp	Unpres	H2SO4	HNO3	HCl	NaOH	H2O2									
TS/T6 Soil - C	12/9/04	11:50		X															
staged Water	12/9/04	13:10	X																
North Sidewall Bldg 4 UST	12/9/04	15:55		X															140 TAT
1101 Sidewall Bldg 4 UST	12/9/04	15:57		X															
South Sidewall Bldg 4 UST	12/9/04	16:00		X															14 TAT
East Sidewall Bldg 4 UST	12/9/04	16:06		X															
Bottom Bldg 4 UST	12/9/04	16:10		X															
staged Soil (2 jars)	12/10/04	7:28		X															
	12/10/04	7:28																	

Possible Hazard Identification		Sample Disposal		Disposal By Lab		Archive For		(A fee may be assessed if samples are retained longer than 1 month)	
☐ Non-Hazard	☐ Flammable	☐ Skin Irritant	☐ Unknown	☐ Return To Client	☐ Disposal By Lab	☒ Archive For	Months	Longer than 1 month	

Turn Around Time Required		QC Requirements (Specify)	
☒ 24 Hours	☐ 48 Hours		
1. Relinquished By See Jute		1. Received By See Jute	
2. Relinquished By See Jute		2. Received By See Jute	
3. Relinquished By		3. Received By	

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

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#: A04-C705

STL Project#: NY4A9367

Site Name:

Task: GM - Lockport

Craig Bruening, P.E.
6723 Towpath Road
Syracuse, NY 13214

STL Buffalo



Candace L. Fox
Project Manager

12/28/2004

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u> <u>DATE</u>	<u>TIME</u>	<u>RECEIVED</u> <u>DATE</u>	<u>TIME</u>
A4C70501	NW CORNER BLDG 2 TES	12/20/2004	13:20	12/21/2004	11:50

METHODS SUMMARY

Job#: A04-C705STL Project#: NY4A9367

Site Name:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 310.13 - PETROLEUM PRODUCTS	NYSDOH 31013

NYSDOH "Compendium of Methods", New York State Department of Health, Wadsworth Center for Laboratories and Research.

NON-CONFORMANCE SUMMARY

Job#: A04-C705STL Project#: NY4A9367

Site Name:

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, 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

A04-C705

Sample Cooler(s) were received at the following temperature(s); 2.8 °C
The 8021 STARS and 8270 STARS analyses are on hold.

GC Extractable Data

For method 310-13 Petroleum Products, the sample NW CORNER BLDG 2 TES is reported as ND (Non-Detect) for 6 common products, and also does not resemble either jet fuel or Naptha in any way. The sample does however, show an unknown hydrocarbon pattern present in the routinely reported scan range, mainly within the gasoline range. The pattern closely resembles mineral spirits, though there are many similiar but unique mineral spirit products. The reported value is based on a quantification using gasoline as the standard, in order to give an approximate value associated with the positive.

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.

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.

Date: 12/28/2004
Time: 11:28:13

GM - Lockport
METHOD 310.13 - PETROLEUM PRODUCTS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	NW CORNER BLDG 2 TES A04-C705 12/20/2004							
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Kerosene	MG/KG	ND	12	NA		NA		NA	
Gasoline	MG/KG	ND	12	NA		NA		NA	
Motor Oil	MG/KG	ND	12	NA		NA		NA	
Fuel Oil #2	MG/KG	ND	12	NA		NA		NA	
Fuel Oil #4	MG/KG	ND	12	NA		NA		NA	
Fuel Oil #6	MG/KG	ND	12	NA		NA		NA	
Other-1	MG/KG	730	120	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Chronology and QC Summary Package

Date: 12/28/2004
Time: 11:28:24

GM - Lockport
METHOD 310.13 - PETROLEUM PRODUCTS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	Method Blank A04-C705		A4B2140303							
		Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Kerosene			MG/KG	ND	10	NA		NA		NA	
Gasoline			MG/KG	ND	10	NA		NA		NA	
Motor Oil			MG/KG	ND	10	NA		NA		NA	
Fuel Oil #2			MG/KG	ND	10	NA		NA		NA	
Fuel Oil #4			MG/KG	ND	10	NA		NA		NA	
Fuel Oil #6			MG/KG	ND	10	NA		NA		NA	
Other-1			MG/KG	ND	100	NA		NA		NA	

10/17

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 12/28/2004
Time: 11:28:24

Rept: AN0326

GM - Lockport
METHOD 310.13 - PETROLEUM PRODUCTS

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C705 A482140301				Matrix Spike Blk Dup A04-C705 A482140302			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Kerosene	MG/KG	ND	9.9	ND	9.8	NA	9.8	NA	9.8
Gasoline	MG/KG	ND	9.9	ND	9.8	NA	9.8	NA	9.8
Motor Oil	MG/KG	ND	9.9	ND	9.8	NA	9.8	NA	9.8
Fuel Oil #2	MG/KG	54	9.9	54	9.8	NA	9.8	NA	9.8
Fuel Oil #4	MG/KG	ND	9.9	ND	9.8	NA	9.8	NA	9.8
Fuel Oil #6	MG/KG	ND	9.9	ND	9.8	NA	9.8	NA	9.8
Other-1	MG/KG	ND	99	ND	98	NA	98	NA	98

Client Sample ID: Method Blank Matrix Spike Blank Matrix Spike Blk Dup
Lab Sample ID: A482140303 A482140301 A482140302

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	REC.
METHOD 310.13 - PETROLEUM PRODUCTS Fuel Oil #2	MG/KG	53.9	53.9	49.7	49.1	109	110	110	35.0	50-150

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 12/28/2004
Time: 11:28:51

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 310.13 - PETROLEUM PRODUCTS

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A04-C705 A4B2140301	Matrix Spike Blk Dup A04-C705 A4B2140302		
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/21/2004 14:00 12/22/2004 11:59 - - SOIL LOW 1.0 30.18 GRAMS 100.00	12/21/2004 14:00 12/22/2004 12:26 - - SOIL LOW 1.0 30.52 GRAMS 100.00		

Date: 12/28/2004
Time: 11:28:51

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 310.13 - PETROLEUM PRODUCTS

Job No & Lab Sample ID	Client Sample ID	Method Blank				
		A04-C705 A4B2140303				
Sample Date						
Received Date		12/21/2004 14:00				
Extraction Date		12/22/2004 12:54				
Analysis Date		-				
Extraction HT Met?		-				
Analytical HT Met?		SOIL LOW				
Sample Matrix		1.0				
Dilution Factor		30.06				
Sample wt/vol		100.00				
% Dry						

SEVERN
TRENT

STL

Severn Trent Laboratories, Inc.

STL-4124 (0801)

[illegible]

Comments

Comments: all Craig Breuninger w/ results of 310.13 - then Craig will direct the additional (Held) Analysis.

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Slays with the Sample: PINK - Field Copy

17/17

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 SUMMARY

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED</u>	<u>RECEIVED</u>		
		<u>DATE</u>	<u>TIME</u>	<u>DATE</u>	<u>TIME</u>
A4C70501	NW CORNER BLDG 2 TES	12/20/2004	13:20	12/21/2004	11:50

METHODS SUMMARY

Job#: A04-C846STL Project#: NY4A9367

Site Name:

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS	SW8463 8270

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-C846STL Project#: NY4A9367

Site Name:

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, 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

A04-C846

Sample Cooler(s) were received at the following temperature(s); 2.8 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The analyte Di-n-octyl phthalate was detected in the Method Blank A4B2171602 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 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.

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.

Sample Data Package

Date: 01/11/2005
Time: 12:59:12

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

8/32

Client ID Job No Sample Date	Lab ID	Units	NW CORNER BLDG 2 TES A04-C846 12/20/2004	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Acetone		UG/KG	48	30	NA		NA		NA
Benzene		UG/KG	ND	6	NA		NA		NA
Bromodichloromethane		UG/KG	ND	6	NA		NA		NA
Bromoform		UG/KG	ND	6	NA		NA		NA
Bromomethane		UG/KG	ND	6	NA		NA		NA
2-Butanone		UG/KG	7 J	30	NA		NA		NA
Carbon Disulfide		UG/KG	1 J	6	NA		NA		NA
Carbon Tetrachloride		UG/KG	ND	6	NA		NA		NA
Chlorobenzene		UG/KG	ND	6	NA		NA		NA
Chloroethane		UG/KG	ND	6	NA		NA		NA
Chloroform		UG/KG	ND	6	NA		NA		NA
Chloromethane		UG/KG	ND	6	NA		NA		NA
Cyclohexane		UG/KG	ND	6	NA		NA		NA
1,2-Dibromoethane		UG/KG	ND	6	NA		NA		NA
Dibromochloromethane		UG/KG	ND	6	NA		NA		NA
1,2-Dibromo-3-chloropropane		UG/KG	ND	6	NA		NA		NA
1,2-Dichlorobenzene		UG/KG	ND	6	NA		NA		NA
1,3-Dichlorobenzene		UG/KG	ND	6	NA		NA		NA
1,4-Dichlorobenzene		UG/KG	ND	6	NA		NA		NA
Dichlorodifluoromethane		UG/KG	ND	6	NA		NA		NA
1,1-Dichloroethane		UG/KG	ND	6	NA		NA		NA
1,2-Dichloroethane		UG/KG	ND	6	NA		NA		NA
1,1-Dichloroethene		UG/KG	ND	6	NA		NA		NA
cis-1,2-Dichloroethene		UG/KG	ND	6	NA		NA		NA
trans-1,2-Dichloroethene		UG/KG	ND	6	NA		NA		NA
1,2-Dichloropropane		UG/KG	ND	6	NA		NA		NA
cis-1,3-Dichloropropene		UG/KG	ND	6	NA		NA		NA
trans-1,3-Dichloropropene		UG/KG	ND	6	NA		NA		NA
Ethylbenzene		UG/KG	22	6	NA		NA		NA
2-Hexanone		UG/KG	ND	30	NA		NA		NA
Isopropylbenzene		UG/KG	45	6	NA		NA		NA
Methyl acetate		UG/KG	ND	6	NA		NA		NA
Methylcyclohexane		UG/KG	9	6	NA		NA		NA
Methylene chloride		UG/KG	ND	6	NA		NA		NA
4-Methyl-2-pentanone		UG/KG	ND	30	NA		NA		NA
Methyl tert butyl ether		UG/KG	ND	6	NA		NA		NA
Styrene		UG/KG	ND	6	NA		NA		NA
1,1,2,2-Tetrachloroethane		UG/KG	ND	6	NA		NA		NA
Tetrachloroethene		UG/KG	ND	6	NA		NA		NA
Toluene		UG/KG	ND	6	NA		NA		NA
1,2,4-Trichlorobenzene		UG/KG	ND	6	NA		NA		NA
1,1,1-Trichloroethane		UG/KG	ND	6	NA		NA		NA
1,1,2-Trichloroethane		UG/KG	ND	6	NA		NA		NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:12

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID	Lab ID	NW CORNER BLDG 2 TES AO4-C846 12/20/2004		Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Job No	Sample Date	Analyte	Units	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
		1,1,2-Trichloro-1,2,2-trifluor	UG/KG	6	ND		NA		NA		NA
		Trichlorofluoromethane	UG/KG	6	ND		NA		NA		NA
		Trichloroethene	UG/KG	6	ND		NA		NA		NA
		Vinyl chloride	UG/KG	12	ND		NA		NA		NA
		Total Xylenes	UG/KG	18	31		NA		NA		NA
		IS/SURROGATE(S)									
		Chlorobenzene-D5	%	50-200	164		NA		NA		NA
		1,4-Difluorobenzene	%	50-200	138		NA		NA		NA
		1,4-Dichlorobenzene-D4	%	50-200	142		NA		NA		NA
		Toluene-D8	%	71-125	81		NA		NA		NA
		p-Bromofluorobenzene	%	68-124	83		NA		NA		NA
		1,2-Dichloroethane-D4	%	61-136	86		NA		NA		NA

NA = Not Applicable ND = Not Detected

STL Buffalo

9/32

Date: 01/11/2005
Time: 12:59:23

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

10/32

Client ID Job No Sample Date	Lab ID	NW CORNER BLDG 2 TES A04-C846 12/20/2004	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Acenaphthene	UG/KG	ND	400	NA		NA		NA		NA
Acenaphthylene	UG/KG	ND	400	NA		NA		NA		NA
Acetophenone	UG/KG	ND	400	NA		NA		NA		NA
Anthracene	UG/KG	ND	400	NA		NA		NA		NA
Atrazine	UG/KG	ND	400	NA		NA		NA		NA
Benzaldehyde	UG/KG	ND	400	NA		NA		NA		NA
Benzo(a)anthracene	UG/KG	ND	400	NA		NA		NA		NA
Benzo(b)fluoranthene	UG/KG	ND	400	NA		NA		NA		NA
Benzo(k)fluoranthene	UG/KG	ND	400	NA		NA		NA		NA
Benzo(ghi)perylene	UG/KG	ND	400	NA		NA		NA		NA
Benzo(a)pyrene	UG/KG	ND	400	NA		NA		NA		NA
Benzoic acid	UG/KG	ND	5800	NA		NA		NA		NA
Benzyl alcohol	UG/KG	ND	400	NA		NA		NA		NA
Biphenyl	UG/KG	ND	400	NA		NA		NA		NA
Bis(2-chloroethoxy) methane	UG/KG	ND	400	NA		NA		NA		NA
Bis(2-chloroethyl) ether	UG/KG	ND	400	NA		NA		NA		NA
2,2'-oxybis(1-chloropropane)	UG/KG	ND	400	NA		NA		NA		NA
Bis(2-ethylhexyl) phthalate	UG/KG	ND	400	NA		NA		NA		NA
4-Bromophenyl phenyl ether	UG/KG	ND	400	NA		NA		NA		NA
Butyl benzyl phthalate	UG/KG	ND	400	NA		NA		NA		NA
Caprolactam	UG/KG	ND	400	NA		NA		NA		NA
4-Chloroaniline	UG/KG	ND	400	NA		NA		NA		NA
4-chloro-3-methylphenol	UG/KG	ND	400	NA		NA		NA		NA
2-Chloronaphthalene	UG/KG	ND	400	NA		NA		NA		NA
2-chlorophenol	UG/KG	ND	400	NA		NA		NA		NA
4-chlorophenyl phenyl ether	UG/KG	ND	400	NA		NA		NA		NA
Chrysene	UG/KG	ND	400	NA		NA		NA		NA
Dibenzo(a,h)anthracene	UG/KG	ND	400	NA		NA		NA		NA
Dibenzofuran	UG/KG	ND	400	NA		NA		NA		NA
Di-n-butyl phthalate	UG/KG	ND	400	NA		NA		NA		NA
1,2-Dichlorobenzene	UG/KG	ND	400	NA		NA		NA		NA
1,3-Dichlorobenzene	UG/KG	ND	400	NA		NA		NA		NA
1,4-Dichlorobenzene	UG/KG	ND	400	NA		NA		NA		NA
3,3'-Dichlorobenzidine	UG/KG	ND	790	NA		NA		NA		NA
2,4-Dichlorophenol	UG/KG	ND	400	NA		NA		NA		NA
Diethyl phthalate	UG/KG	ND	400	NA		NA		NA		NA
2,4-Dimethylphenol	UG/KG	ND	400	NA		NA		NA		NA
Dimethyl phthalate	UG/KG	ND	400	NA		NA		NA		NA
4,6-Dinitro-2-methylphenol	UG/KG	ND	1900	NA		NA		NA		NA
2,4-Dinitrophenol	UG/KG	ND	1900	NA		NA		NA		NA
2,4-Dinitrotoluene	UG/KG	ND	400	NA		NA		NA		NA
2,6-Dinitrotoluene	UG/KG	ND	400	NA		NA		NA		NA
Di-n-octyl phthalate	UG/KG	ND	400	NA		NA		NA		NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:23

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	NW CORNER BLDG 2 TES A04-C846 12/20/2004	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/KG	ND	400	NA		NA		NA	
Fluorene	UG/KG	ND	400	NA		NA		NA	
Hexachlorobenzene	UG/KG	ND	400	NA		NA		NA	
Hexachlorobutadiene	UG/KG	ND	400	NA		NA		NA	
Hexachlorocyclopentadiene	UG/KG	ND	400	NA		NA		NA	
Hexachloroethane	UG/KG	ND	400	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/KG	ND	400	NA		NA		NA	
Isophorone	UG/KG	ND	400	NA		NA		NA	
2-Methylnaphthalene	UG/KG	240 J	400	NA		NA		NA	
2-Methylphenol	UG/KG	ND	400	NA		NA		NA	
4-Methylphenol	UG/KG	ND	400	NA		NA		NA	
Naphthalene	UG/KG	220 J	400	NA		NA		NA	
2-Nitroaniline	UG/KG	ND	1900	NA		NA		NA	
3-Nitroaniline	UG/KG	ND	1900	NA		NA		NA	
4-Nitroaniline	UG/KG	ND	1900	NA		NA		NA	
Nitrobenzene	UG/KG	ND	400	NA		NA		NA	
2-Nitrophenol	UG/KG	ND	400	NA		NA		NA	
4-Nitrophenol	UG/KG	ND	1900	NA		NA		NA	
N-nitrosodiphenylamine	UG/KG	ND	400	NA		NA		NA	
N-Nitroso-Di-n-propylamine	UG/KG	ND	400	NA		NA		NA	
Pentachlorophenol	UG/KG	ND	1900	NA		NA		NA	
Phenanthrene	UG/KG	ND	400	NA		NA		NA	
Phenol	UG/KG	ND	400	NA		NA		NA	
Pyrene	UG/KG	ND	400	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	400	NA		NA		NA	
2,4,5-Trichlorophenol	UG/KG	ND	400	NA		NA		NA	
2,4,6-Trichlorophenol	UG/KG	ND	960	NA		NA		NA	
IS/SURROGATE(S)	UG/KG	ND	400	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	99	50-200	NA		NA		NA	
Naphthalene-D8	%	101	50-200	NA		NA		NA	
Acenaphthene-D10	%	108	50-200	NA		NA		NA	
Phenanthrene-D10	%	113	50-200	NA		NA		NA	
Chrysene-D12	%	129	50-200	NA		NA		NA	
Perylene-D12	%	96	50-200	NA		NA		NA	
Nitrobenzene-D5	%	85	30-127	NA		NA		NA	
2-Fluorobiphenyl	%	87	36-138	NA		NA		NA	
p-Terphenyl-d14	%	86	41-167	NA		NA		NA	
Phenol-D5	%	82	34-120	NA		NA		NA	
2-Fluorophenol	%	74	26-120	NA		NA		NA	
2,4,6-Tribromophenol	%	85	42-140	NA		NA		NA	

11/32

NA = Not Applicable ND = Not Detected

STL Buffalo

Batch Quality Control Data

Date: 01/11/2005 13:06:13
Batch No: A4B21716

MS/MSD Batch QC Results

Rept: AN1392

Lab Sample ID: A4C84204

A4C84204MS

A4C84204SD

Analyte	Units of Measure	Sample	Concentration			Spike Amount		% Recovery		% RPD	QC LIMITS	
			Matrix Spike	Spike Duplicate	MS	MS	MSD	MS	MSD		RPD	REC.
C & S - 8270 - STARS LIST - S Acenaphthene Pyrene	MG/KG MG/KG	0	2.83	2.82	3.41	83	82	83	82	1	16.0	49-131
		0	3.90	4.52	3.41	114	131	114	131	14	25.0	48-154

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Date: 01/11/2005
Time: 12:59:35

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

15/32

Client ID Job No Sample Date	Lab ID	VBLK20 A04-C846	A5B0004104	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Acetone		ND	25	UG/KG	NA		NA		NA
Benzene		ND	5	UG/KG	NA		NA		NA
Bromodichloromethane		ND	5	UG/KG	NA		NA		NA
Bromoform		ND	5	UG/KG	NA		NA		NA
Bromomethane		ND	5	UG/KG	NA		NA		NA
2-Butanone		ND	25	UG/KG	NA		NA		NA
Carbon Disulfide		ND	5	UG/KG	NA		NA		NA
Carbon Tetrachloride		ND	5	UG/KG	NA		NA		NA
Chlorobenzene		ND	5	UG/KG	NA		NA		NA
Chloroethane		ND	5	UG/KG	NA		NA		NA
Chloroform		ND	5	UG/KG	NA		NA		NA
Chloromethane		ND	5	UG/KG	NA		NA		NA
Cyclohexane		ND	5	UG/KG	NA		NA		NA
1,2-Dibromoethane		ND	5	UG/KG	NA		NA		NA
Dibromochloromethane		ND	5	UG/KG	NA		NA		NA
1,2-Dibromo-3-chloropropane		ND	5	UG/KG	NA		NA		NA
1,2-Dichlorobenzene		ND	5	UG/KG	NA		NA		NA
1,3-Dichlorobenzene		ND	5	UG/KG	NA		NA		NA
1,4-Dichlorobenzene		ND	5	UG/KG	NA		NA		NA
Dichlorodifluoromethane		ND	5	UG/KG	NA		NA		NA
1,1-Dichloroethane		ND	5	UG/KG	NA		NA		NA
1,2-Dichloroethane		ND	5	UG/KG	NA		NA		NA
1,1-Dichloroethene		ND	5	UG/KG	NA		NA		NA
cis-1,2-Dichloroethene		ND	5	UG/KG	NA		NA		NA
trans-1,2-Dichloroethene		ND	5	UG/KG	NA		NA		NA
1,2-Dichloropropane		ND	5	UG/KG	NA		NA		NA
cis-1,3-Dichloropropene		ND	5	UG/KG	NA		NA		NA
trans-1,3-Dichloropropene		ND	5	UG/KG	NA		NA		NA
Ethylbenzene		ND	5	UG/KG	NA		NA		NA
2-Hexanone		ND	25	UG/KG	NA		NA		NA
Isopropylbenzene		ND	5	UG/KG	NA		NA		NA
Methyl acetate		ND	5	UG/KG	NA		NA		NA
Methylcyclohexane		ND	5	UG/KG	NA		NA		NA
Methylene chloride		ND	5	UG/KG	NA		NA		NA
4-Methyl-2-pentanone		ND	25	UG/KG	NA		NA		NA
Methyl tert butyl ether		ND	5	UG/KG	NA		NA		NA
styrene		ND	5	UG/KG	NA		NA		NA
1,1,2,2-Tetrachloroethane		ND	5	UG/KG	NA		NA		NA
Tetrachloroethene		ND	5	UG/KG	NA		NA		NA
Toluene		ND	5	UG/KG	NA		NA		NA
1,2,4-Trichlorobenzene		ND	5	UG/KG	NA		NA		NA
1,1,1-Trichloroethane		ND	5	UG/KG	NA		NA		NA
1,1,2-Trichloroethane		ND	5	UG/KG	NA		NA		NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:35

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	VBK20 A04-C846	A5B0004104	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA		NA	
IS/SURROGATE(S)											
Chlorobenzene-D5	%	92	50-200	NA		NA		NA		NA	
1,4-Difluorobenzene	%	91	50-200	NA		NA		NA		NA	
1,4-Dichlorobenzene-D4	%	82	50-200	NA		NA		NA		NA	
Toluene-D8	%	95	71-125	NA		NA		NA		NA	
p-Bromofluorobenzene	%	92	68-124	NA		NA		NA		NA	
1,2-Dichloroethane-D4	%	91	61-136	NA		NA		NA		NA	

Date: 01/11/2005
Time: 12:59:35

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

17/32

Client ID Job No Sample Date	Lab ID	MSB20 A04-C846	A580004102	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	NA	NA	NA	NA	NA	NA
Benzene	UG/KG	42	5	NA	NA	NA	NA	NA	NA
Bromodichloromethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Bromoform	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Bromomethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
2-Butanone	UG/KG	ND	25	NA	NA	NA	NA	NA	NA
Carbon Disulfide	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Chlorobenzene	UG/KG	45	5	NA	NA	NA	NA	NA	NA
Chloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Chloroform	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Chloromethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Cyclohexane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Dibromochloromethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/KG	39	5	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
2-Hexanone	UG/KG	ND	25	NA	NA	NA	NA	NA	NA
Isopropylbenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Methyl acetate	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Methylcyclohexane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Methylene chloride	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/KG	ND	25	NA	NA	NA	NA	NA	NA
Methyl tert butyl ether	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Styrene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Tetrachloroethene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
Toluene	UG/KG	43	5	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	UG/KG	ND	5	NA	NA	NA	NA	NA	NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:35

GM - Lockport
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN0326

Client ID Job No Sample Date	Lab ID	MSB20 A04-C846	A580004102	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	42	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	X	98	50-200	NA		NA		NA	
1,4-Difluorobenzene	X	98	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	X	90	50-200	NA		NA		NA	
Toluene-D8	X	93	71-125	NA		NA		NA	
p-Bromofluorobenzene	X	90	68-124	NA		NA		NA	
1,2-Dichloroethane-D4	X	92	61-136	NA		NA		NA	

Date: 01/11/2005
Time: 12:59:47

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

19/32

Client ID Job No Sample Date	Lab ID	Analyte	Units	SBLK A04-C846		A482171602		Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
				Sample Value	Reporting Limit	Sample Value	Reporting Limit						
		Acenaphthene	UG/KG	ND	320	NA		NA		NA		NA	
		Acenaphthylene	UG/KG	ND	320	NA		NA		NA		NA	
		Acetophenone	UG/KG	ND	320	NA		NA		NA		NA	
		Anthracene	UG/KG	ND	320	NA		NA		NA		NA	
		Atrazine	UG/KG	ND	320	NA		NA		NA		NA	
		Benzaldehyde	UG/KG	ND	320	NA		NA		NA		NA	
		Benzo(a)anthracene	UG/KG	ND	320	NA		NA		NA		NA	
		Benzo(b)fluoranthene	UG/KG	ND	320	NA		NA		NA		NA	
		Benzo(k)fluoranthene	UG/KG	ND	320	NA		NA		NA		NA	
		Benzo(ghi)perylene	UG/KG	ND	320	NA		NA		NA		NA	
		Benzo(a)pyrene	UG/KG	ND	320	NA		NA		NA		NA	
		Benzoic acid	UG/KG	ND	4700	NA		NA		NA		NA	
		Benzyl alcohol	UG/KG	ND	320	NA		NA		NA		NA	
		Biphenyl	UG/KG	ND	320	NA		NA		NA		NA	
		Bis(2-chloroethoxy) methane	UG/KG	ND	320	NA		NA		NA		NA	
		Bis(2-chloroethyl) ether	UG/KG	ND	320	NA		NA		NA		NA	
		2,2'-Oxybis(1-chloropropane)	UG/KG	ND	320	NA		NA		NA		NA	
		Bis(2-ethylhexyl) phthalate	UG/KG	ND	320	NA		NA		NA		NA	
		4-Bromophenyl phenyl ether	UG/KG	ND	320	NA		NA		NA		NA	
		Butyl benzyl phthalate	UG/KG	ND	320	NA		NA		NA		NA	
		Caprolactam	UG/KG	ND	320	NA		NA		NA		NA	
		4-Chloroaniline	UG/KG	ND	320	NA		NA		NA		NA	
		4-Chloro-3-methylphenol	UG/KG	ND	320	NA		NA		NA		NA	
		2-Chloronaphthalene	UG/KG	ND	320	NA		NA		NA		NA	
		2-Chlorophenol	UG/KG	ND	320	NA		NA		NA		NA	
		4-Chlorophenyl phenyl ether	UG/KG	ND	320	NA		NA		NA		NA	
		Chrysene	UG/KG	ND	320	NA		NA		NA		NA	
		Dibenzo(a,h)anthracene	UG/KG	ND	320	NA		NA		NA		NA	
		Dibenzofuran	UG/KG	ND	320	NA		NA		NA		NA	
		Di-n-butyl phthalate	UG/KG	ND	320	NA		NA		NA		NA	
		1,2-Dichlorobenzene	UG/KG	ND	320	NA		NA		NA		NA	
		1,3-Dichlorobenzene	UG/KG	ND	320	NA		NA		NA		NA	
		1,4-Dichlorobenzene	UG/KG	ND	320	NA		NA		NA		NA	
		3,3'-Dichlorobenzidine	UG/KG	ND	640	NA		NA		NA		NA	
		2,4-Dichlorophenol	UG/KG	ND	320	NA		NA		NA		NA	
		Diethyl phthalate	UG/KG	ND	320	NA		NA		NA		NA	
		Dimethyl phthalate	UG/KG	ND	320	NA		NA		NA		NA	
		4,6-Dinitro-2-methylphenol	UG/KG	ND	1600	NA		NA		NA		NA	
		2,4-Dinitrophenol	UG/KG	ND	1600	NA		NA		NA		NA	
		2,4-Dinitrotoluene	UG/KG	ND	320	NA		NA		NA		NA	
		2,6-Dinitrotoluene	UG/KG	ND	320	NA		NA		NA		NA	
		Di-n-octyl phthalate	UG/KG	ND	320	NA		NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:47

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

20/32

Client ID Job No Sample Date	Lab ID	SBLK A04-C846	A482171602	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value
Fluoranthene					NA		NA		NA
Fluorene				320	ND		NA		NA
Hexachlorobenzene				320	ND		NA		NA
Hexachlorobutadiene				320	ND		NA		NA
Hexachlorocyclopentadiene				320	ND		NA		NA
Hexachloroethane				320	ND		NA		NA
Indeno(1,2,3-cd)pyrene				320	ND		NA		NA
Isophorone				320	ND		NA		NA
2-Methylnaphthalene				320	ND		NA		NA
2-Methylphenol				320	ND		NA		NA
4-Methylphenol				320	ND		NA		NA
Naphthalene				320	ND		NA		NA
2-Nitroaniline				1600	ND		NA		NA
3-Nitroaniline				1600	ND		NA		NA
4-Nitroaniline				1600	ND		NA		NA
Nitrobenzene				320	ND		NA		NA
2-Nitrophenol				320	ND		NA		NA
4-Nitrophenol				1600	ND		NA		NA
N-nitrosodiphenylamine				320	ND		NA		NA
N-Nitroso-Di-n-propylamine				320	ND		NA		NA
Pentachlorophenol				1600	ND		NA		NA
Phenanthrene				320	ND		NA		NA
Phenol				320	ND		NA		NA
Pyrene				320	ND		NA		NA
1,2,4-Trichlorobenzene				320	ND		NA		NA
2,4,5-Trichlorophenol				320	ND		NA		NA
2,4,6-Trichlorophenol				780	ND		NA		NA
IS(SURROGATE(S))				320	ND		NA		NA
1,4-Dichlorobenzene-D4				50-200	93		NA		NA
Naphthalene-D8				50-200	97		NA		NA
Acenaphthene-D10				50-200	99		NA		NA
Phenanthrene-D10				50-200	100		NA		NA
Chrysene-D12				50-200	106		NA		NA
Perylene-D12				50-200	134		NA		NA
Nitrobenzene-D5				30-127	76		NA		NA
2-Fluorobiphenyl				36-138	81		NA		NA
p-Terphenyl-D14				41-167	81		NA		NA
Phenol-D5				34-120	75		NA		NA
2-Fluorophenol				26-120	65		NA		NA
2,4,6-Tribromophenol				42-140	82		NA		NA

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:47

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Rept: AN0326

21/32

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C846 A4B2171601		Reporting Limit		Reporting Limit		Reporting Limit	
		Sample Value	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acenaphthene		2500	UG/KG	NA	320	NA		NA	
Acenaphthylene		ND	UG/KG	NA	320	NA		NA	
Acetophenone		ND	UG/KG	NA	320	NA		NA	
Anthracene		ND	UG/KG	NA	320	NA		NA	
Atrazine		ND	UG/KG	NA	320	NA		NA	
Benzaldehyde		ND	UG/KG	NA	320	NA		NA	
Benzo(a)anthracene		ND	UG/KG	NA	320	NA		NA	
Benzo(b)fluoranthene		ND	UG/KG	NA	320	NA		NA	
Benzo(k)fluoranthene		ND	UG/KG	NA	320	NA		NA	
Benzo(ghi)perylene		ND	UG/KG	NA	320	NA		NA	
Benzo(a)pyrene		ND	UG/KG	NA	320	NA		NA	
Benzoic acid		ND	UG/KG	NA	4700	NA		NA	
Benzyl alcohol		ND	UG/KG	NA	320	NA		NA	
Biphenyl		ND	UG/KG	NA	320	NA		NA	
Bis(2-chloroethoxy) methane		ND	UG/KG	NA	320	NA		NA	
Bis(2-chloroethyl) ether		ND	UG/KG	NA	320	NA		NA	
2,2'-oxybis(1-chloropropane)		ND	UG/KG	NA	320	NA		NA	
Bis(2-ethylhexyl) phthalate		ND	UG/KG	NA	320	NA		NA	
4-Bromophenyl phenyl ether		ND	UG/KG	NA	320	NA		NA	
Butyl benzyl phthalate		ND	UG/KG	NA	320	NA		NA	
Caprolactam		ND	UG/KG	NA	320	NA		NA	
4-Chloroaniline		ND	UG/KG	NA	320	NA		NA	
4-Chloro-3-methylphenol		2500	UG/KG	NA	320	NA		NA	
2-Chloronaphthalene		ND	UG/KG	NA	320	NA		NA	
2-Chlorophenol		2000	UG/KG	NA	320	NA		NA	
4-Chlorophenyl phenyl ether		ND	UG/KG	NA	320	NA		NA	
Chrysene		ND	UG/KG	NA	320	NA		NA	
Dibenz(a,h)anthracene		ND	UG/KG	NA	320	NA		NA	
Dibenzofuran		ND	UG/KG	NA	320	NA		NA	
Di-n-butyl phthalate		ND	UG/KG	NA	320	NA		NA	
1,2-Dichlorobenzene		ND	UG/KG	NA	320	NA		NA	
1,3-Dichlorobenzene		ND	UG/KG	NA	320	NA		NA	
1,4-Dichlorobenzene		1900	UG/KG	NA	320	NA		NA	
3,3'-Dichlorobenzidine		ND	UG/KG	NA	650	NA		NA	
2,4-Dichlorophenol		ND	UG/KG	NA	320	NA		NA	
Diethyl phthalate		ND	UG/KG	NA	320	NA		NA	
Dimethyl phthalate		ND	UG/KG	NA	320	NA		NA	
4,6-Dinitro-2-methylphenol		ND	UG/KG	NA	1600	NA		NA	
2,4-Dinitrophenol		ND	UG/KG	NA	1600	NA		NA	
2,6-Dinitrotoluene		2600	UG/KG	NA	320	NA		NA	
Di-n-octyl phthalate		61 BJ	UG/KG	NA	320	NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Date: 01/11/2005
Time: 12:59:47

Rept: AN0326

GM - Lockport
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

22/32

Client ID Job No Sample Date	Lab ID	Matrix Spike Blank A04-C846 A4B2171601	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Fluoranthene	UG/KG	ND	320	NA		NA		NA	
Fluorene	UG/KG	ND	320	NA		NA		NA	
Hexachlorobenzene	UG/KG	ND	320	NA		NA		NA	
Hexachlorobutadiene	UG/KG	ND	320	NA		NA		NA	
Hexachlorocyclopentadiene	UG/KG	ND	320	NA		NA		NA	
Hexachloroethane	UG/KG	ND	320	NA		NA		NA	
Indeno(1,2,3-cd)pyrene	UG/KG	ND	320	NA		NA		NA	
Isophorone	UG/KG	ND	320	NA		NA		NA	
2-Methylnaphthalene	UG/KG	ND	320	NA		NA		NA	
2-Methylphenol	UG/KG	ND	320	NA		NA		NA	
4-Methylphenol	UG/KG	ND	320	NA		NA		NA	
Naphthalene	UG/KG	ND	320	NA		NA		NA	
2-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
3-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
4-Nitroaniline	UG/KG	ND	1600	NA		NA		NA	
Nitrobenzene	UG/KG	ND	320	NA		NA		NA	
2-Nitrophenol	UG/KG	ND	320	NA		NA		NA	
4-Nitrophenol	UG/KG	2700	1600	NA		NA		NA	
N-nitrosodiphenylamine	UG/KG	ND	320	NA		NA		NA	
N-Nitroso-Di-n-propylamine	UG/KG	2400	320	NA		NA		NA	
Pentachlorophenol	UG/KG	2200	1600	NA		NA		NA	
Phenanthrene	UG/KG	ND	320	NA		NA		NA	
Phenol	UG/KG	2000	320	NA		NA		NA	
Pyrene	UG/KG	2700	320	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	1900	320	NA		NA		NA	
2,4,5-Trichlorophenol	UG/KG	ND	790	NA		NA		NA	
2,4,6-Trichlorophenol	UG/KG	ND	320	NA		NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	X	95	50-200	NA		NA		NA	
Naphthalene-D8	X	98	50-200	NA		NA		NA	
Acenaphthene-D10	X	100	50-200	NA		NA		NA	
Phenanthrene-D10	X	102	50-200	NA		NA		NA	
Chrysene-D12	X	104	50-200	NA		NA		NA	
Perylene-D12	X	134	50-200	NA		NA		NA	
Nitrobenzene-D5	X	70	30-127	NA		NA		NA	
2-Fluorobiphenyl	X	74	36-138	NA		NA		NA	
p-Terphenyl-D14	X	77	41-167	NA		NA		NA	
Phenol-D5	X	68	34-120	NA		NA		NA	
2-Fluorophenol	X	58	26-120	NA		NA		NA	
2,4,6-Tribromophenol	X	76	42-140	NA		NA		NA	

NA = Not Applicable ND = Not Detected

STL Buffalo

Client Sample ID: VBLK20 MSB20
Lab Sample ID: A5B0004104 A5B0004102

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	39.0	50.0	78	65-146
Trichloroethene	UG/KG	41.6	50.0	83	74-127
Benzene	UG/KG	41.8	50.0	84	74-128
Toluene	UG/KG	42.7	50.0	86	74-123
Chlorobenzene	UG/KG	45.0	50.0	90	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: SBLK
Lab Sample ID: A482171602Matrix Spike Blank
A482171601

Analyte	Units of Measure	Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8270 - TCL SEMI-VOLATILE ORGANICS					
Phenol	UG/KG	1983	3282	60	35-120
2-Chlorophenol	UG/KG	2006	3282	61	34-118
1,4-Dichlorobenzene	UG/KG	1860	3282	57	30-120
N-Nitroso-Di-n-propylamine	UG/KG	2457	3282	75	42-131
1,2,4-Trichlorobenzene	UG/KG	1895	3282	58	32-120
4-Chloro-3-methylphenol	UG/KG	2462	3282	75	45-135
Acenaphthene	UG/KG	2489	3282	76	49-131
4-Nitrophenol	UG/KG	2695	3282	82	36-142
2,4-Dinitrotoluene	UG/KG	2601	3282	79	45-138
Pentachlorophenol	UG/KG	2229	3282	68	28-135
Pyrene	UG/KG	2694	3282	82	48-154

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Date: 01/11/2005
Time: 13:00:10

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 1

METHOD 8260 - TCL VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	NW CORNER BLDG 2 YES			
		A04-C846 A4C70501			
Sample Date	12/20/2004	13:20			
Received Date	12/21/2004	11:50			
Extraction Date					
Analysis Date	01/03/2005	15:52			
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	SOIL	LOW			
Dilution Factor	1.0				
Sample wt/vol	5.06	GRAMS			
% Dry	83.43				

Date: 01/11/2005
Time: 13:00:10

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8260 - TCL VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	MSB20 A04-C846 A5B0004102			
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	01/03/2005 12:46 - - SOIL LOW 1.0 5.0 GRAMS 100.00				

Date: 01/11/2005
Time: 13:00:10

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID	Job No & Lab Sample ID	Sample Date	Received Date	Extraction Date	Analysis Date	Extraction HT Met?	Analytical HT Met?	Sample Matrix	Dilution Factor	Sample Wt/vol	% Dry
VBLK20 A04-C846	A580004104	01/03/2005 13:21	-	-	SOIL	LOW	1.0	5.0	GRAMS	100.00	

NA = Not Applicable

STL Buffalo

Date: 01/11/2005
Time: 13:00:15

BLASLAND BOUCK & LEE, INC.
SAMPLE CHRONOLOGY

Rept: AN0374
Page: 1

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Job No & Lab Sample ID	Client Sample ID	NW CORNER BLDG 2 TES A04-C846 A4C70501			
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/20/2004 13:20 12/21/2004 11:50 12/30/2004 07:00 01/04/2005 15:52 YES YES SOIL LOW 1.0 30.02 GRAMS 83.19				

Date: 01/11/2005
Time: 13:00:15

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 2

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Matrix Spike Blank A04-C846 A4B2171601				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/30/2004 07:00 01/04/2005 12:04 - - SOIL LOW 1.0 30.46 GRAMS 100.00				

NA = Not Applicable

STL Buffalo

29/32

Date: 01/11/2005
Time: 13:00:15

BLASLAND BOUCK & LEE, INC.
QC SAMPLE CHRONOLOGY

Rept: AN0374
Page: 3

METHOD 8270 - TCL SEMI-VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	SBLK A04-C846 A482171602				
Sample Date Received Date Extraction Date Analysis Date Extraction HT Met? Analytical HT Met? Sample Matrix Dilution Factor Sample wt/vol % Dry	12/30/2004 07:00 01/04/2005 12:29 - - SOIL LOW 1.0 30.71 GRAMS 100.00				

NA = Not Applicable

STL Buffalo

Chain of Custody

Chain of
Custody Record

STL-4124 (0901)

Client: Blackburn, Brock, & Lee
Address: 6723 Township Rd
City: Cyrus State: NY Zip Code: 13214

Project Manager: Craig Breuninger
Telephone Number (Area Code)/Fax Number: (315) 446-9120 / (315) 449-0025
Site Contact: D. Kingbury Lab Contact: Candace Fox
Carrier/Waybill Number: 6M-666-2-NY

Contract/Purchase Order/Quote No.: 644.58.010

Sample I.D. No. and Description (Containers for each sample may be combined on one line):
NW Corner Bldg 2 Test Pit

Date: 12/20/04 Time: 13:20

Containers & Preservatives: Unpres. X NaOH NaOH HCl HNO3 H2SO4 HOAc NaOH

Matrix: Air Sed Sed Aqueous Sol

Analysis (Attach list if more space is needed):
Interprint 30.13 Hold 802 Shims (4000)* Hold 802 Shims (4000)* Hold 802 Shims (4000)* Hold 802 Shims (4000)*

Special Instructions/Conditions of Receipt: ()

Chain of Custody Number: 192436
Page: 1 of 1

Date: 12/20/04 Lab Number: 192436

Possible Hazard Identification:
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Return To Client ☐ Disposal By Lab ☒ Archive For 1 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: 1 week for 30.13, then call for other analyses
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other

1. Relinquished By: [Signature] Date: 12/21/04 Time: 11:50
2. Relinquished By: [Signature] Date: 12/21/04 Time: 11:50
3. Relinquished By: [Signature] Date: 12/21/04 Time: 11:50

1. Received By: [Signature] Date: 12/21/04 Time: 11:50
2. Received By: [Signature] Date: 12/21/04 Time: 11:50
3. Received By: [Signature] Date: 12/21/04 Time: 11:50

Comments: For & call Craig Breuninger w/ results of 30.13 - then Craig will direct the additional (HDD) Analyses.

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Slays with the Sample; PINK - Field Copy

Appendix B

Project Photographs



Photo #1: Removal of concrete above tank T-5.



Photo #2: Removal of tank T-6.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #3: Removal of tank T-6.



Photo #4: Tank T-5 with top shell of tank peeled back and grout showing.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #5: Removal of tank T-5.



Photo #6: Stained soil within the T-5 and T-6 excavation. Soil was later excavated.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #7: Post-excavation, North sidewall of T-5/T-6 excavation.



Photo #8: Post-excavation, South sidewall of T-5/T-6 excavation.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #9: Post-excavation, East sidewall of T-5/T-6 excavation. Former fire hydrant and shut-off valve.

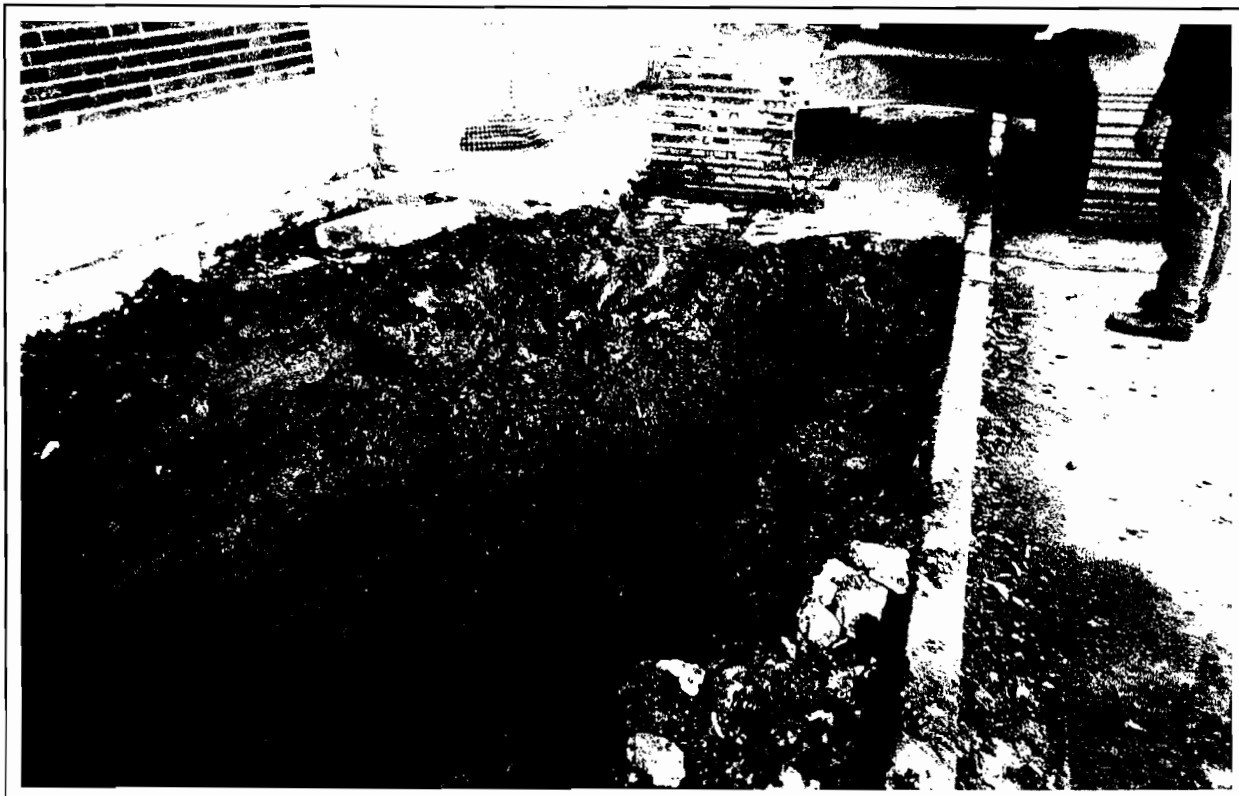


Photo #10: Post-excavation, West sidewall of T-5/T-6 excavation.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL[®]
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists

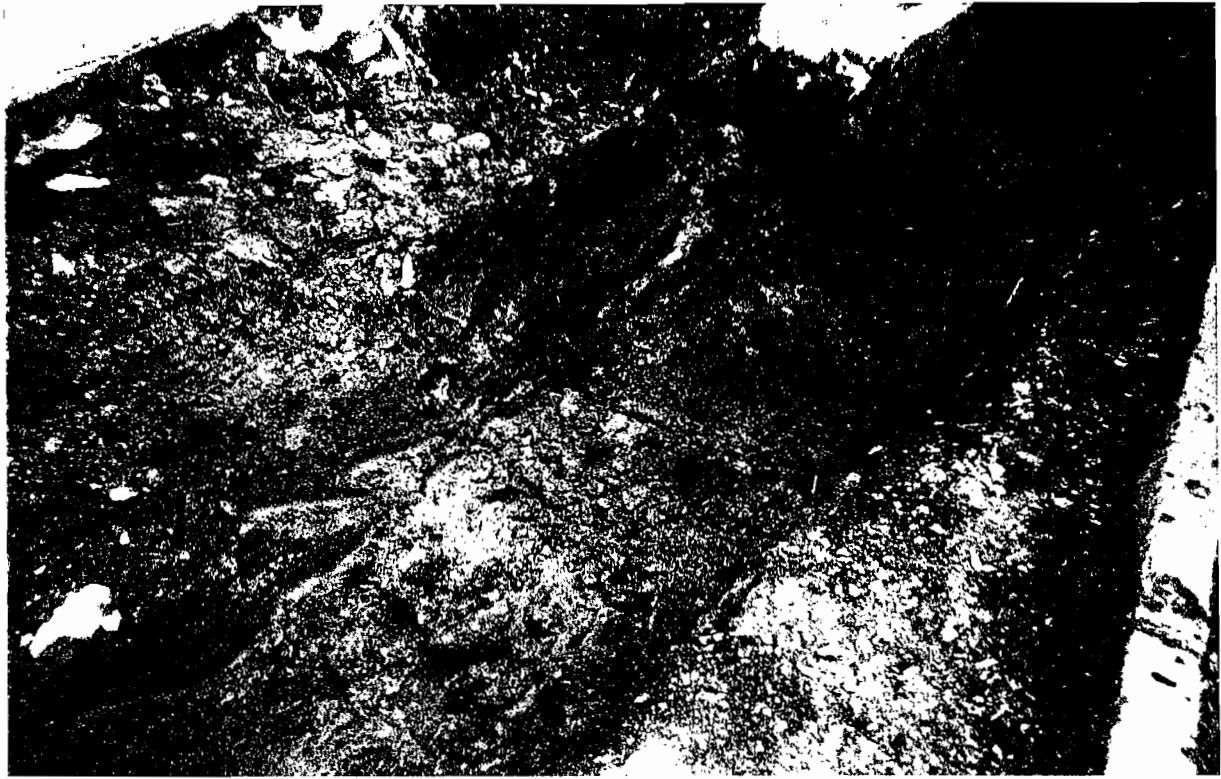


Photo #11: Post-excavation, bottom of T-5/T-6 excavation.



Photo #12: West side of T-5/T-6 excavation with infiltrating water pictured below hose end.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #13: Top of Bldg. #4 tank.



Photo #14: East end of Bldg. #4 tank with unknown, leaking, 6" dia. water service pictured.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #15: Removal of Bldg. #4 tank.



Photo #16: Bldg. #4 excavation filled with water from leaking line.

Project Name: Former Harrison Radiator Facility
 Project Location: Lockport, New York
 Date: December 2004
 Project No: 644.58

BBL[®]
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #17: Bldg. #4 excavation with repair of leaking water line.



Photo #18: Bldg. #4 excavation backfilled.

Project Name: Former Harrison Radiator Facility
 Project Location: Lockport, New York
 Date: December 2004
 Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #19: Bldg. #2 (T-5/T-6) excavation filled with water from unlocateable water line leak



Photo #20: Bldg. #2 (T-5/T-6) excavation backfilled.

Project Name: Former Harrison Radiator Facility
 Project Location: Lockport, New York
 Date: December 2004
 Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #21: Water line leak surfacing subsequent to backfilling Bldg. #2 excavation.



Photo #22: Test pit off Northwest corner of Bldg. #2.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #23: Test pit off Northwest corner of Bldg. #2. Unknown pipe shown along east sidewall of test pit.



Photo #24: Final sidewalk repair work at Bldg. #2.

Project Name: Former Harrison Radiator Facility
Project Location: Lockport, New York
Date: December 2004
Project No: 644.58

BBL®
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists



Photo #25: Test pit with concrete placed at final grade.



Photo #26: Final sidewalk repair at Bldg. #4.

Project Name: Former Harrison Radiator Facility
 Project Location: Lockport, New York
 Date: December 2004
 Project No: 644.58

BBL[®]
 BLASLAND, BOUCK & LEE, INC.
 engineers, scientists, economists

Appendix C

Disposal Records

Royal ENVIRONMENTAL

FACSIMILE TRANSMITTAL SHEET

To: Tod Davidson

From: Paul Micciche

COMPANY: Modern Landfill, Inc.

Date: 12-16-04

FAX NUMBER: (716) 754-2355

TOTAL NO. OF PAGES INCLUDING COVER: 10

Re: Generator Waste Characterization Report

☒ URGENT ☐ FOR YOUR ACTION ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ FYI

NOTES / COMMENTS:

Attached you will find the completed package, a letter from the generator, and the laboratory report for the non-haz. petrol.-impacted soil at the Lockport NY site.

We would like to have you transport the soil on Mon. 12/20 for disposal.

P/s. contact me.

PAUL MICCICHE
PHONE: 315-432-5067 • FAX: 315-432-5000
CELL: 565-259-1959

GENERATOR WASTE CHARACTERIZATION REPORT

INSTRUCTIONS: The following form is required for disposal of nonhazardous industrial/commercial wastes at Modern Landfill. Please complete all sections of this report. Send completed report along with the analytical, chain of custody and the Application for Disposal of an Industrial Waste Stream (47-19-7) to this office. A separate form is required for each waste stream.

GENERATOR INFORMATION:

Generator Name: General Motors Company

Generating Facility Address: 210 Walnut Street Lockport, N.Y.

Technical Contact: James Hartnett Phone: (315) 463-2391

Alternate Contact: _____ Phone: () _____

INVOICING INFORMATION:

Contracting Firm: Royal Environmental, Inc.

Contact: Paul Micciche Phone: (315) 432-5067

Do you have an existing account with Modern Landfill? ☒ Yes ☐ No

Billing Address: Royal Environmental, Inc. 720 Lexington Ave [ATTN: Julie Redden]
Roch., N.Y. 14613

TRANSPORTER INFORMATION:

Hauler Name: MODERN DISPOSAL SERVICES NYSDEC Permit No. 9A-073

Contact Person: Tod Davidson Phone: (716) 754-8226

Is Modern Landfill currently on your Transporter Permit: ☒ Yes ☐ No

If no, please enclose a Part C Application to cover this waste stream.

WASTE INFORMATION:

Common name of waste: non-hazardous petroleum-impacted soil

Description of process generating this waste: excavation of underground storage tanks

Is this waste hazardous under US EPA Guidelines & 6NYCRR Part 371 (d)? ☐ Yes ☒ No

Indicate the category which best describes this waste stream:

- ☐ Industrial Waste
- ☐ Household Waste
- ☐ Commercial Solid Waste

- ☐ Construction & Demolition Debris
- ☒ Other (Please Specify) excavated non-haz. soil

PHYSICAL CHARACTERISTICS OF WASTE

The waste is at least 20% solid and contains no free liquid	YES ☒	NO ☐
The Flashpoint of the waste is > 140°F	YES ☒	NO ☐
The pH level of the waste is between 2.0 and 12.5	YES ☐	NO ☐
Is the waste reactive (Cyanide/Sulfide)?	YES ☐	NO ☐
Is the waste free of PCBs	YES ☒	NO ☐
Color:	Odor: ☐ Strong ☒ Mild ☐ None	

TCLP TESTING AND CERTIFICATION

Metals

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
Arsenic			
Barium			
Cadmium			
Chromium			
Lead			X (ND)
Mercury			
Selenium			
Silver			

Herbicides / Pesticides

N/A

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
2, 4-D			
2,4,5- TP (Silvex)			
Endrin			
Lindane			
Methoxychlor			
Toxaphene			
Chlordane			
Heptachlor			

Acid Extractables

N/A

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
O-Creosol			
M-Creosol			
P-Creosol			
Pentachlorophenol			
2,4,5-Trichlorophenol			
2,4,6-Trichlorophenol			

Base Neutrals Extractables

N/A

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
1,4-Dichlorobenzene			
2,4-Dinitrotoluen			
Hexachlorobenzene			
Hexachlorobutadiene			
Hexachloroethane			
Nitrobenzene			
Pyridine			

Volatile Organics

Constituent	Nonhazardous Limit (mg/l)	Present	Not Present
1,1-Dichloroethylene			
Methyl Ethyl Ketone			
Tetrachloroethylene			
Vinyl Chloride			
Benzene		X 0.11 ppm	
Carbon Tetrachloride			
Chlorobenzene			
Chloroform			
Trichloroethylene			
1,2-Dichloroethane			

CERTIFICATION

I certify that all information contained within this Generator Waste Characterization Report, including all attached information, is complete and actual and is an accurate representation of known or suspected hazards described herein.

Signature: Craig T. Bruening

Printed Name: CRAIG T. BRUENING

Title: SR. PROJECT ENGINEER

Company: BBL ES

Date: 12/16/04

GENERIC APPROVAL

INSTRUCTIONS: The following sections should only be ^{used} ~~used~~ if you are disposing of Virgin Petroleum Contaminated Solid Waste. Virgin Petroleum material disposal requirements are divided into two (2) categories, lighter than #2 Fuel Oil and #2 Fuel Oil and Higher. Material resulting from Underground Storage Tanks (UST) and Tank Bottoms from storage and Crude Oil are also included in this program. The tables below indicate the minimum testing requirements for the waste stream. All conditions set forth in the preceding waste characterization report must also be met and certified by the generator.

Provide in detail the process or incident producing this waste on your Company's letterhead. Modern Landfill must have the original on file and the letter must clearly state that this was indeed a virgin product spill or otherwise and the resulting debris/cleanup material is free of prior residue or spill and free of industrial or chemical contamination. This letter must also state the type of material spilled, i.e. #2 fuel oil, gasoline, mineral oil, etc.

LIGHTER THAN #2 FUEL OIL Include all attachments detailed above.
--

CONSTITUENT	PRESENT (VALUE)	NOT PRESENT
TCLP Lead		X Non-detect
TCLP Benzene	0.11 ppm	
Flashpoint	> 200 ° f	

#2 FUEL OIL & HIGHER Include all attachments detailed above.
--

CONSTITUENT	PRESENT (VALUE)	NOT PRESENT
TCLP Benzene		
Flashpoint		

NYS SPILL NUMBER 9975547

ESTIMATED TONS: 140

CERTIFICATION

I certify that all information contained within this Generator Waste Characterization Report, including all attached information is complete and actual and is an accurate representation of known or suspected hazards described herein.

Signature: Craig T. Bruening

Date: 12/16/04

Printed Name: CRAIG T. BRUENING

Title: SR. PROJECT ENG.

TABLE 1
STAGED EXCAVATED SOIL FOR OFFSITE DISPOSAL
UNDERGROUND STORAGE TANK REMOVAL PROJECT
FORMER HARRISON RADIATOR FACILITY
LOCKPORT, NEW YORK
 (Results presented in ppm)

Sample ID: Laboratory ID: Parameter - Date Collected:	Staged Soil A4C31207 12/10/2004	Regulatory Limit
Volatile Organic Compound (mg/kg)		
Benzene	0.11	0.5 (see note 7)
TCLP - Inorganics (mg/L)		
Lead	ND (0.005)	5.0
Other Characteristics		
Ignitability/Flashpoint	> 200 deg. F	140 deg. F

Notes:

1. Soil sample was collected by BBL Engineering Services, Inc. and submitted to Severn Trent Laboratories, Inc. for the analysis shown in the above table.
2. mg/kg - milligrams/kilogram - ppm.
3. mg/L - milligrams/liter - ppm.
4. TCLP - Toxicity Characteristic Leaching Procedure.
5. ND - Indicates that the compound was not detected, the value in parentheses is the practical quantitation limit (detection limit).
6. deg. F - Degrees Fahrenheit.
7. To convert the soil result in mg/kg to a TCLP equivalent, divide the result by 20 for dilution conducted during preparation of the soil sample for TCLP analysis. That value would be the maximum concentration possible to be extracted during the TCLP analysis.

12/13/2004
16:33:25

GA - Lockport
METHOD 8021 - STARS VOLATILE ORGANICS

Repts: A40326

Client ID	Sample ID	STAGED SOIL A04-2312 12/10/2004	ACQ3120/	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,2-DICHLOROBENZENE	µG/KG	ND	12	NA		NA		NA	
1,2-DIBROMOBENZENE	µG/KG	90	56-134	NA		NA		NA	
1,2-DIBROMOTOLUENE	µG/KG	80	76-127	NA		NA		NA	
1,2-DICHLOROTOLUENE	µG/KG	80	58-125	NA		NA		NA	

ND = Not Detected

SFL Buffalo

168176991, V01 00.01 4002/01/21
TOTAL P.06

SEVERN TRENT LAB.

00000



Severn Trent Laboratories, Inc.

Chain of
Custody Record

Chain of Custody Number 134952		Date 12/9/04		Page 1 of 1	
Client Name BRIG BRENNING (315) 446-9120 / (315) 449-0035 1000 S. 10th St. (W4) (W4) 13414		Analysis (A) Section (S) in this space is needed		Special Instructions/ Conditions of Receipt 140 TAT 14 TAT	
Sample ID No. and Description (Containers for which sample may be compromised are listed)		Date		Time	
TS/T6 Soil - C stored Water North Sidewall Bldg AUST West Sidewall Bldg AUST South Sidewall Bldg AUST East Sidewall Bldg AUST Bottom Bldg AUST stored Soil (2 jars)		12/9/04 12/9/04 12/9/04 12/9/04 12/9/04 12/10/04 12/10/04		11:50 13:10 15:55 15:57 16:00 16:06 16:10 7:28	
Sample ID No. and Description (Containers for which sample may be compromised are listed)		Date		Time	
TS/T6 Soil - C stored Water North Sidewall Bldg AUST West Sidewall Bldg AUST South Sidewall Bldg AUST East Sidewall Bldg AUST Bottom Bldg AUST stored Soil (2 jars)		12/9/04 12/9/04 12/9/04 12/9/04 12/9/04 12/10/04 12/10/04		11:50 13:10 15:55 15:57 16:00 16:06 16:10 7:28	

6.0°C



4746 MODEL CITY ROAD, P.O. BOX 209

MODEL CITY NEW YORK 14107-0209

1-800-662-0012 (716) 754-8226 FAX (716) 754-8984

Modern Disposal Services, Inc.

DATE: 12/20/04
SITE TIME IN: 3:00
SITE TIME OUT: 3:00
ROUTE: X012

TRANSACTION #: TK-2531613-000
TRUCK #: 1701
PREPARED BY: patw
DUMP SITE: MODERN LANDFILL, INC

SERVICE SITE:

8932.002
ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET
SPILL #9979547
LOCKPORT

Contact: SID BELILE
Phone : 315/323-2304

COMMODITY: 1600-0000 CONTAMINATED SOIL CL
TRANSACTION TYPE/STYLE: LOAD ON SITE TA
CONTAINER SIZE: 0.00

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE
TONS (G04-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION

P.O. BOX 209 MODEL CITY, NEW YORK 14107
LANDFILL SITE - HAROLD @ PLETCHER RD.
LEWISTON, NEW YORK

TRUCK : 11701-MDS
HAULER : MDS MODERN DISPOSAL
GENERATOR: 8932.002

TICKET : 1120759
DATE IN : 12/20/04 16:02:09
DATE OUT: 12/20/04 16:02:09

ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET

BILL TO : 6163.000

MDS MODERN DISPOSAL

HAULER TICKET: TK02531613-000

COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP

GROSS WEIGHT: 72,150.00

TARE WEIGHT: 28,800.00

NET WEIGHT: 43,350.00

TONS: 21.68

WEIGHMASTER: _____

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees.

Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.

Signature: _____



4748 MODEL CITY ROAD, P.O. BOX 209
 MODEL CITY NEW YORK 14107-0209
 1-800-662-0012 (716) 754-8226 FAX (716) 754-8964

Modern Disposal Services, Inc.

DATE: 12/21/04
 SITE TIME IN: 700
 SITE TIME OUT:
 ROUTE: X012

TRANSACTION #: TK-2532281-000
 TRUCK #: 1701
 PREPARED BY: patw
 DUMP SITE: MODERN LANDFILL, INC

SERVICE SITE:

8932.002
 ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET
 SPILL #9975547
 LOCKPORT

Contact: SID BELILE
 Phone : 315/323-2304

604-0939
 COMMODITY: 1600-0000 CONTAMINATED SOIL CL
 TRANSACTION TYPE/STYLE: LOAD ON SITE TA
 CONTAINER SIZE: 0.00

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE
 TONS (604-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION

P.O. BOX 209 MODEL CITY, NEW YORK 14107
 LANDFILL SITE - HAROLD @ PLETCHER RD.
 LEWISTON, NEW YORK

TICKET : 1120880
 DATE IN : 12/21/04 08:30:33
 DATE OUT : 12/21/04 08:30:33

TRUCK : 11701-MDS
 HAULER : MDS MODERN DISPOSAL
 GENERATOR: 8932.002

ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET

BILL TO : 6163.000

MDS MODERN DISPOSAL

HAULER TICKET: TK02532281-000

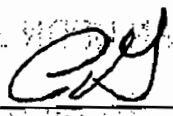
COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP

GROSS WEIGHT: 66,200.00

TARE WEIGHT: 28,800.00

NET WEIGHT: 37,400.00

TONS: 18.70

WEIGHMASTER: 

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees.

Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.

Signature: _____



4748 MODEL CITY ROAD, P.O. BOX 209

MODEL CITY NEW YORK 14107-0209

1-800-662-0012 (716) 754-8226 FAX (716) 754-8964

Modern Disposal Services, Inc.

DATE: 12/21/04
 SITE TIME IN: 9:20
 SITE TIME OUT:
 ROUTE: X018
 SERVICE SITE:

TRANSACTION #: TK-2530549-000
 TRUCK #: 1701
 PREPARED BY:
 DUMP SITE: MODERN LANDFILL, INC

8932.002
 ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET
 SPILL #9975547
 LOCKPORT

Contact: SID BELILE
 Phone : 315/323-2304

G04-0939

COMMODITY: 1600-0000 CONTAMINATED SOIL CL
 TRANSACTION TYPE/STYLE: LOAD ON SITE TA
 CONTAINER SIZE: 0.00

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE
 TONS (G04-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION
 P.O. BOX 209 MODEL CITY, NEW YORK 14107
 LANDFILL SITE - HAROLD @ PLETCHER RD.
 LEWISTON, NEW YORK

TICKET : 1120929
 DATE IN : 12/21/04 10:20:19
 DATE OUT: 12/21/04 10:20:19
 TRUCK : 1701-MDS
 HAULER : MDS MODERN DISPOSAL
 GENERATOR: 8932.002

ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET
 BILL TO : 6163.000

HAULER TICKET: TK02530549-000

COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP
 MDS MODERN DISPOSAL
 GROSS WEIGHT: 68,560.00
 TARE WEIGHT: 28,800.00
 NET WEIGHT: 39,760.00
 TONS: 19.88

WEIGHMASTER:

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees. Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.

Signature: _____

by
he
or



4740 MODEL CITY ROAD, P.O. BOX 209

MODEL CITY NEW YORK 14107-0209

1-800-862-0012 (716) 754-8228 FAX (716) 754-8964

Modern Disposal Services, Inc.

DATE: 12/21/04
SITE TIME IN: 11:00
SITE TIME OUT:
ROUTE: X009

TRANSACTION #: TK-2528881-000
TRUCK #: 1701
PREPARED BY: patw
DUMP SITE: MODERN LANDFILL, INC

SERVICE SITE:

8932.002
ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET
SPILL #9975547
LOCKPORT

Contact: SID BELILE
Phone : 315/323-2304

G04-0939

COMMODITY: 1600-0000 CONTAMINATED SOIL CL
TRANSACTION TYPE/STYLE: MATERIAL OFF SITE TA
CONTAINER SIZE: 0.00

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE
TONS (G04-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION
P.O. BOX 209 MODEL CITY, NEW YORK 14107
LANDFILL SITE - HAROLD @ PLETCHER RD.
LEWISTON, NEW YORK

TRUCK : 1701-MDS
HAULER : MDS MODERN DISPOSAL
GENERATOR: 8932.002

TICKET : 1120991
DATE IN : 12/21/04 12:03:35
DATE OUT: 12/21/04 12:03:35

ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET

BILL TO : 6163.000

HAULER TICKET: TK02528881-000

MDS MODERN DISPOSAL
COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP

GROSS WEIGHT: 74,700.00

TARE WEIGHT: 28,800.00

NET WEIGHT: 45,900.00

TONS: 22.95

WEIGHMASTER: _____

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees.

Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.

Signature: _____



746 MODEL CITY ROAD, P.O. BOX 209

MODEL CITY NEW YORK 14107-0209

1-800-662-0012 (716) 754-8226 FAX (716) 754-8964

Modern Disposal Services, Inc.

DATE: 12/21/04
 SITE TIME IN: 100
 SITE TIME OUT:
 ROUTE: X018

TRANSACTION #: TK-2528880-000
 TRUCK #: 1701
 PREPARED BY: timc
 DUMP SITE: MODERN LANDFILL, INC

SERVICE SITE:

8932.002
 ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET
 SPILL #9975547
 LOCKPORT

Contact: SID BELILE
 Phone : 315/323-2304

604-0939

COMMODITY: 1600-0000 CONTAMINATED SOIL CL
 TRANSACTION TYPE/STYLE: LOAD ON SITE TA
 CONTAINER SIZE: 0.50

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE

TONS (604-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION
 P.O. BOX 209 MODEL CITY, NEW YORK 14107
 LANDFILL SITE - HAROLD E PLETCHER RD.
 LEWISTON, NEW YORK

TRUCK : 1701-MDS
 HAULER : MDS MODERN DISPOSAL
 GENERATOR: 8932.002

TICKET : 1121040
 DATE IN : 12/21/04 13:49:59
 DATE OUT: 12/21/04 13:50:12

ROYAL ENVIROMENTAL SRV INC.
 210 WALNUT STREET

BILL TO : 6163.000

HAULER TICKET: TK02528880-000

COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP
 GROSS WEIGHT: 57,040.00
 TARE WEIGHT: 28,800.00
 NET WEIGHT: 28,240.00
 TONS: 14.12

WEIGHMASTER: _____

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees.

Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.



4748 MODEL CITY ROAD, P.O. BOX 209

MODEL CITY NEW YORK 14107-0209

1-800-882-0012 (716) 754-8228 FAX (716) 754-8984

Modern Disposal Services, Inc.

DATE:
SITE TIME IN: 12/21/04
SITE TIME OUT: 2:40
ROUTE:
SERVICE SITE: X012

TRANSACTION #:
TRUCK #: TK-2532922-000
PREPARED BY: 1701
DUMP SITE: time
MODERN LANDFILL, INC

8932.002
ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET
SPILL #9975547
LOCKPORT

Contact: SID BELILE
Phone : 315/323-2304

COMMODITY: G04-0939
TRANSACTION TYPE: 1600-0000 CONTAMINATED SOIL CL
CONTAINER SIZE: LOAD ON SITE TA
0.00

CONTAINER # IN: _____

CONTAINER # OUT: _____

Service Code: DUMP TRUCK SERVICE

TONS (G04-0939) CONTAMINATED SOIL (20 TON MIN)



MODERN CORPORATION
P.O. BOX 209 MODEL CITY, NEW YORK 14107
LANDFILL SITE - HAROLD @ PLETCHER RD.
LEWISTON, NEW YORK

TRUCK : 1701-MDS
HAULER : MDS MODERN DISPOSAL
GENERATOR: 8932.002

TICKET : 1121112
DATE IN : 12/21/04 15:45:17
DATE OUT: 12/21/04 15:45:17

ROYAL ENVIROMENTAL SRV INC.
210 WALNUT STREET

BILL TO : 6163.000

HAULER TICKET: TK02532922-000

MDS MODERN DISPOSAL
COMMODITY: 1600-0000 CONTAMINATED SOIL CLEANUP
GROSS WEIGHT: 52,020.00
TARE WEIGHT: 28,800.00
NET WEIGHT: 23,220.00
TONS: 11.61

WEIGHMASTER: _____

To the best of my knowledge, the waste stream(s) indicated on this ticket contain(s) no hazardous or unacceptable waste and has been packaged and transported in accordance with all applicable state and federal regulations. Any person accepting this ticket assumes all risk of accident and expressly agrees that Modern Landfill Inc. shall not be liable under any circumstances for any injury to person, loss or damage and also agrees to indemnify and hold harmless Modern Landfill Inc. and its employees.

Additionally, I hereby acknowledge that I have read and understand conditions or statements indicated on reverse.



**GREEN ENVIRONMENT
SPECIALISTS INC.**

8335 QUARRY ROAD
NIAGARA FALLS, NY 14304

Invoice

DATE

INVOICE #

12/15/2004

1470

BILL TO

ROYAL ENVIRONMENTAL
720 LEXINGTON AVENUE
ROCHESTER, NY 14615

P.O. NO.

TERMS

PROJECT

P24-0648

QUANTITY

DESCRIPTION

RATE

AMOUNT

P O # 50202

PER : PAUL MICCICHE

RE: DELPHI - LOCKPORT

SERVIES RENDERED P & T GROUND WATER
Sales Tax

8.25%

HAPPY HOLIDAY

Total

PHONE 716-298-5297
FAX 716-298-5754

City of Lockport**Invoice**

Department of Public Utilities
Water * Wastewater * Composting
611 West Jackson Street
Lockport, NY 14094-1736

DATE**INVOICE #**

1/5/05

4560

BILL TO

Royal Environmental
720 Lexington Avenue
Rochester, NY 14613
Attn: Julie Redden

TERMS

30 days

DESCRIPTION	QTY	RATE	AMOUNT
Sanitary Waste Disposal (per 1000 gallons) - December 2004 - PO #50201	12.35		
Questions about your account? Call 433-1612.		Total	

