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COMMISSIONER OF ENVIRONMENTAL CONSERVATION

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Date

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BROWNFIELDS SITE INVESTIGATION REPORT

for

**Boone Park
353 Germania Street
Buffalo, New York**

November 2004

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BOONE PARK BROWNFIELDS PROJECT

SITE INVESTIGATION REPORT

1.0 INTRODUCTION

1.1 Purpose of the Report

This Site Investigation (SSI) Report documents efforts to characterize environmental quality at the Boone Park Brownfields Site, in the City of Buffalo, New York. The focus of the site investigation is to determine the nature and extent of contamination to environmental media at the site. This effort has been conducted under the New York State Department of Environmental Conservation's (NYSDEC's) "Brownfields Program" and addresses elements, as appropriate, established within the NYSDEC's Environmental Remediation Program Policy DER-97-4058 (TAGM 4058) and applicable revisions.

1.2 Site Background

The following sections provide background information associated with the site, including a description of the site, the history of the site, and a summary of previous investigations or remedial actions undertaken.

1.2.1 Site Description

The Boone Park site is approximately 3.4 acres and located in the South Buffalo area, as depicted on Figure 1. The site was developed as a City of Buffalo Park during the period from 1949 through 1951 and was maintained as such until the park was temporarily closed in 2000. The Boone Park is site relatively flat, and is bounded to the north and south by residential and vacant properties, to the east by Boone Street, and to the west by Germania Street.

Review of U.S.G.S. mapping shows that the site lies at an elevation of approximately 585 feet above mean sea level (amsl) and is located approximately 1,000 feet south of the Buffalo River and approximately two miles east of Lake Erie (Buffalo Outer Harbor). Surface drainage in the area would be controlled via storm water structures, with the majority of flow toward the north, where subtle sloping topography results in discharge to the Buffalo River, which discharges to Lake Erie.

According to US Department of Agriculture-Soil Conservation Service Soil Survey mapping for Erie County, the soils in the vicinity of the site are classified as urban land – Niagara Complex. These soils have moderate to poor permeability and are characterized by seasonal high water tables. Review of surficial geologic mapping indicates that unconsolidated soils in the vicinity of the site consist of lacustrine silt and clay. Consistent with the topographic setting of the site, shallow groundwater flow in the area of the site would be expected to flow across the site from the southeast to the northwest.

Regional bedrock geologic mapping indicates that bedrock underlying the site consists of the Onondaga or Bois Blanc Limestones, generally present at depths of greater than 100 feet. Groundwater within the deeper bedrock generally occurs within fractures, joint sets, and bedding planes which are commonly enlarged due to dissolution of carbonates and evaporites.

Residents in the area of the site receive their domestic water from municipal service connections supplied by the City of Buffalo and administered by the City of Buffalo Water Board. The source of the municipal water supply is surface water. At present, the City of Buffalo is in the process of selling its drinking water supply and distribution network to the Erie County Water Authority.

1.2.2 Site History

The early history of the site was likely characterized by its proximity to the industrial and transportation infrastructure to the west. A Phase 1 Environmental Site Assessment was completed for the Boone Park site during this Brownfields Site Investigation. Prior to the Park's creation during the period from 1949 through 1951, the area consisted of approximately 30 sublots, with average measurements of 32 feet wide by 150 feet long. The survey map completed for this project indicated that Daniel Street, approximately forty feet wide, formerly bisected what is now the center of the park in a north-south direction. The removal of Daniel Street pre-dated the earliest Sanborn Fire Insurance Map for the area, which was for 1917.

1.2.3 Previous Investigations

As part of previous environmental investigations of the South Buffalo neighborhood that includes Boone Park, the United States Environmental Protection Agency

(USEPA) conducted sampling of the park soils in May 2000. URS Corporation conducted additional sampling in 1999 and 2001. Samples collected during those investigations were analyzed for VOCs, SVOCs, TCL metals, and pesticides compounds. The available results from those investigations are provided in Appendix B. Those results indicated that elevated arsenic levels were present in site soils. At that time, Boone Park was temporarily closed.

1.3 Report Organization

This SI Report utilizes the format suggested in Appendix 1 to NYSDEC's TAGM 4058. In order to provide a stand-alone document, from which a final remedial design for the site can be selected, data generated during the SI and previous investigations are included in the tables, figures, and discussions presented in this SI Report.

2.0 STUDY AREA INVESTIGATION

This Section documents the activities undertaken during this Brownfields Investigation to determine the existence or extent of impacts to the Boone Park site from past industrial activities or waste management practices.

2.1 Site Characterization Field Activities

This Section summarizes the field activities undertaken to characterize the site, during both the SSI and preceding investigations.

2.1.1 Preliminary Site Reconnaissance

The layout of the Boone Park property is shown in Figure 2. The preliminary site reconnaissance consisted of locating the recognizable park features, so that the areas of concern indicated from previous investigations could be accurately oriented with respect to the locations to be further investigated.

2.1.2 Surface Features

A general assessment of surface features indicated recognizable (man made) park features and natural features that may be relevant to the investigation of the presence or migration of chemical constituents, or that may affect future uses of the site. Although refuse was scattered randomly around the site, there were no indications of specific areas where the condition of surface features (e.g., stained soil or dead vegetation) indicated a recognized environmental condition. The surface features needed to verify the proposed locations for sampling included the perimeter fence, the fence separating the playground from the ballfields, and the basketball courts.

Upkeep of the park has been minimal since the park's closing, although enough mowing has been maintained to discourage colonization by woody vegetation and to allow vehicular access for site investigation activities.

2.1.3 Contaminant Source Investigation

The previous USEPA and URS sampling indicated that arsenic was detected at concentrations exceeding typical background levels in various surface soil and subsurface soil samples from the site. In particular, surface soils from 0-inch to 2-inch depth from the area comprising the central and eastern portions of the ballfields exhibited elevated arsenic levels. Figure 4A illustrates the arsenic isoconcentration contours for the 0" to 2" depth interval, as derived utilizing the USEPA/URS arsenic data and the modeling program *Surfer*TM. The focus of the Brownfields Investigation sampling is to further characterize the depths at which elevated arsenic levels are present within the ballfield areas, so that target depths for remedial action can be determined.

The NYSDEC and NYSDOH have established a remedial action objective (RAO) for the site of 20 mg/kg for arsenic, based on surface soil background values in the area developed by USEPA/URS. The colored area on Figure 4A indicates where the model calculates arsenic concentrations exceed the 20 mg/kg RAO for the 0"-2" depth interval, based on the USEPA/URS data.

In addition to the shallow boring soil sampling, four twenty-foot deep borings were advanced during the Brownfields SI for the purpose of installing temporary monitoring wells to investigate groundwater quality in the shallow overburden at the site.

2.1.4 Soil and Vadose Zone Investigations

Soil sampling activities were conducted consistent with the NYSDEC-approved March 2004 *Brownfield Interim Remedial Measure Site Investigation Work Plan*. The focus of the soil and vadose zone investigation was to identify potential impacts to surface and shallow soils from past industrial and/or waste management practices. Soil samples were collected for laboratory analysis consistent with the NYSDEC-approved Work Plan, for analyses utilizing ASP methodologies. Specifically, twenty shallow borings were completed to characterize the presence and extent of arsenic with depth within the upper 18 inches of the soil column. The four deeper (20 foot)

borings were installed to assess potential arsenic concentrations and to facilitate installation of temporary groundwater monitoring wells.

With regard to the shallow borings, the principal objective of the sampling was to determine whether there is a consistent pattern of arsenic concentrations with depth within the top 18 inches of soil. For useful results from direct push sampling, it was necessary to achieve 100% recovery over the 18 inches penetrated. When that was achieved, the sample tube could be measured, and sample quantities from the three depth intervals (0"-6", 6"-12", and 12"-18") separated. When less than 100% recovery was achieved, the following sampling regimen was followed:

- ◆ Using a clean flat-bladed shovel, an approximately one-foot square turf plug was removed, including soil, to a depth of six inches and placed on clean plastic sheeting. The 0"-6" sample was prepared from those soils.
- ◆ Using a clean round-point shovel, additional soil was removed starting at the six inch depth, resulting in an "inverted cone" depression with a maximum depth of 12 inches. The soil was placed on clean plastic sheeting and the 6" -12" soil sample was prepared from those soils.
- ◆ The Geoprobe™ sampler was then positioned at the bottom of the "inverted cone" depression (12" depth) and pushed for six inches. The 12" -18" sample was prepared from the soil within the sampling tube.

From each of the four deep soil borings (DB-1 through DB-4), one soil sample from the 0- foot to 4-foot depth interval (initial sample tube) was composited for analysis of total arsenic.

2.1.5 Groundwater Investigations

Four temporary monitoring wells were installed during the SI to assess potential impacts to groundwater. Monitoring wells MW-1 through MW-4 were installed to provide data associated with background conditions and representative conditions over the site. The locations of the monitoring wells were selected to facilitate definition of groundwater quality in the shallow overburden.

Each of the monitoring wells was constructed of one-inch diameter PVC. Consistent with the conditions identified at the site, 10-slot (0.01-inch) well screens were utilized as part of each monitoring well construction. All well materials were new prior to installation. All down-hole tools were washed between locations.

During the completion of subsurface drilling tasks, drill cuttings were visually inspected and screened with a PID.

Each of the monitoring wells was developed via hand-bailing utilizing dedicated polyethylene tubing with a bottom-mounted check valve. As part of the well development effort, a minimum of five well volumes (where possible) were removed from each well. During the development process, pH, conductivity, and temperature were measured and recorded. Since a 50 NTU development criterion could not be met, each well was deemed properly developed when the value of each of these parameters stabilized to within ten percent over three successive measurements. Consistent with NYSDEC Guidance, the development waters generated from the monitoring wells were discharged in the vicinity of the well.

After the completion of well development efforts during the SI, groundwater samples were collected from each well for Target Compound List (TCL) analysis. At each monitoring well, top of PVC riser elevations were surveyed to establish the horizontal location and elevation of the measuring point, so that depth to water measurements could be utilized to calculate groundwater elevations, groundwater contours, and groundwater flow directions.

3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

This Section provides the results of the field activities that were conducted to determine the physical characteristics of the site.

3.1 Surface Features

Figure 2 shows the locations of the surface features present at the site. In general, the relatively flat site is characterized by manmade surface features, consisting of the perimeter fence, former baseball fields, basketball court, and playground. Notable natural features of the site are the mature trees evenly spaced around the perimeter and the vegetative cover present over the majority of the site.

3.1.1 Structural Integrity Assessment

There are no permanent structures at the site. The perimeter fence is of chain link construction and is breached at several locations. A taller chain-link fence surrounds the basketball court.

3.2 Surface Water Hydrology

There are no recognizable surface water bodies at the site. Storm water at the site apparently infiltrates vegetative surfaces or is conveyed over adjacent low-permeability surfaces (sidewalks and roads) and via constructed storm sewers.

3.3 Geology

Regional bedrock geologic mapping indicates that bedrock underlying the site consists of Onondaga limestone. These formations were not encountered at the terminal depth of site borings associate with the SI. Based on those depths, the affect of these deposits on the fate and transport of site contaminants is assumed to be insignificant.

3.4 Hydrogeology

Observations made during SI boring and groundwater monitoring well installation activities (including monitoring well development) indicated generally homogeneous conditions within the overburden at the four temporary monitoring well locations. The following table provides groundwater elevations at the site monitoring wells, which were calculated using depth to water measurements collected on April 22, 2004 from the temporary monitoring wells installed during the SI investigation. Reference well elevations were surveyed by Millard, McKay, and Delles, Land Surveyors, LLP on April 23, 2004.

| | MW-1 | MW-2 | MW-3 | MW-4 |
|-------------------------|-------------|-------------|-------------|-------------|
| Reference Elevation | 99.82 | 99.87 | 99.36 | 99.80 |
| Depth to Water | 9.33 | 9.51 | 8.95 | 8.49 |
| Water Surface Elevation | 90.49 | 90.36 | 90.41 | 91.31 |

These data indicate that the water surface elevation at MW-4, located in the northwest portion of the site, ranged from 0.82 feet to 0.95 feet higher than the water surface elevation at the other three monitoring wells. The water surface elevations at MW-1, MW-2, and MW-3 were all within 0.13 feet, with MW-1 the highest of the three. The flow direction inferred from those measurements would indicate a south or southeast direction of groundwater flow, which would be at odds with the direction indicated by surface flow (toward the Buffalo river), and regional groundwater flow patterns discussed in literature (generally toward Lake Erie). The apparently anomalous water surface elevation at MW-4 may be due to the unreliable nature of temporary monitoring wells when subtle groundwater gradients are present, or to a local subsurface condition resulting in groundwater mounding in the MW-4 area.

From measurements taken on April 22, 2004, the depth to groundwater at the site ranged from 8.49 to 9.51 feet below the PVC inner monitoring well casings, which in turn are roughly equal to the ground surface elevations. Those depths would appear to indicate that encounter with groundwater would be unlikely during the type of soil remedial work that might be envisioned for the site.

3.5 Demography and Land Use

Based on available documentation, land use near the site has been primarily residential in nature since the early twentieth century. The early residential nature of the Boone Park area was likely associated with the industrial and transportation infrastructure located north and west from the site. It is likely that the continued residential nature of the area is more associated with the economic activity of the Greater Buffalo area, rather than the immediate environs. In recent years, there has also been a general trend towards more commercial and less industrial development in the Boone Park area.

4.0 NATURE AND EXTENT OF CONTAMINATION

This section discusses the results of the SI sampling with respect to potential contamination of environmental media (soil and groundwater).

4.1 Arsenic Data for Site Soils

Tables 1 and 2 provide the arsenic data for the Brownfields SI soil sampling for shallow borings and deep borings, respectively. Figure 2 presents the SI soil sampling locations and Figure 3 provides the arsenic soils data for the shallow soil borings, with depth, for each location. USEPA/URS data for specific subsurface (deeper than 2") soil samples are also presented on Figure 3. Appendix B provides arsenic data from the environmental investigations conducted at the site by USEPA and URS during the period from 1999 through 2001. Figures 4 through 6 show the arsenic isoconcentration contours for the 0" to 6", 6" to 12", and 12" to 18" depth intervals, respectively, as derived utilizing the shallow boring arsenic data and the modeling program *Surfer*TM. Corollary Figures 4A through 6A present the modeling results when the EPA/URS were utilized in place of (Figure 4A), or along with (Figures 5A and 6A), the SI data. For all Tables and Figures, data are highlighted to indicate sample locations where the presence of arsenic at concentrations exceeding the 20 mg/kg remedial action objective set forth by NYSDEC and NYSDOH.

4.2 Observations and Conclusions Regarding Arsenic in Soils

Based on the data generated from the summary investigations, we offer the following observations with respect to arsenic in soils:

- ◆ Based on the USEPA and URS data, the playground area, the northeast corner of the ballfields area, and the western edge of the parcel exhibit surface soil and subsurface soil (to a depth of 12-inches below the ground surface) arsenic concentrations that are less than the clean-up goal.
- ◆ Fifty-five percent of the SI surface soil samples (samples collected from the 0-inch to 6-inch depth interval) exhibited arsenic concentrations exceeding the clean-up goal. Those results indicate an area of horizontal location comprising the majority of the site (see Figure 4). These data are consistent with EPA/URS data for 0" to 2" samples (see Figure 4A).
- ◆ Twenty percent of the SI soil samples from the 6-inch to 12-inch depth interval exhibited arsenic concentrations exceeding the RAO. However, two of the four samples from the 6-inch to 12-inch depth interval in which the clean-up goal was exceeded (Samples SB-3 and SB-11) were collected from locations where surface soil samples were less than the 20 ppm clean-up goal. Figure 5 provides the conceptual area where SI arsenic data from the 6-inch to 12-inch depth interval exceed the RAO; Figure 5A presents the SI data for this interval combined with the limited EPA/URS data for the depth interval.
- ◆ Ten percent of the SI soil samples from the 12-inch to 18-inch depth interval exhibited arsenic concentrations exceeding the clean-up goal. In the two samples from the 12-inch to 18-inch depth interval in which the clean-up goal was exceeded (SB-12 and SB-13), corresponding samples from the 6-inch to 12-inch depth interval were less than the goal and corresponding samples from the 0-inch to 6-inch depth interval were greater than the goal. Figure 6 provides the conceptual area where SI arsenic data from the 12-inch to 18-inch depth interval exceed the RAO; Figure 6A presents the SI data for this interval combined with the EPA/URS data for the interval.
- ◆ Three of the four deep boring soil samples exhibited arsenic concentrations exceeding the RAO. The deep boring samples were prepared as composite samples from the 0-inch to 48-inch depth interval (initial Geoprobe™ recovery tube at each location). These data are generally consistent with EPA/URS data for samples deeper than 18 inches, where two of the five samples (40%) exhibited arsenic levels greater than the RAO.
- ◆ The site-wide average arsenic concentration from both the 0-inch to 6-inch and the 6-inch to 12-inch depth intervals exceed the 20 mg/kg RAO. The site-wide average for the 12-inch to 18-inch depth interval is less than the RAO.

Based on the preceding observations, we offer the following conclusions with respect to arsenic in soils:

- ◆ The lack of a consistent pattern showing reduced arsenic concentrations with depth indicates that the source of arsenic in the site soils is likely due to arsenic-contaminated fill materials utilized at the site, and not likely due to an airborne source.
- ◆ If source removal is selected as the remedial alternative for the site, confirmation sampling would be needed to verify the arsenic concentrations at the limits of excavation.
- ◆ Replacing arsenic-impacted soils with non-impacted imported soil would provide a barrier to direct exposure of humans to arsenic from the site.
- ◆ Groundwater arsenic data should be considered to determine whether the presence of arsenic in the site soils may be migrating from the site via overburden groundwater.

4.3 Site Groundwater Quality Data

Groundwater samples from each of the four temporary site monitoring wells installed during the SI were analyzed for the full list of Superfund TCL parameters. Tables 3 through 7 provide the analytical data for volatile organic compounds, semi-volatile organic compounds, pesticides/PCBs, inorganic parameters, and wet chemistry (cyanide), respectively, in groundwater samples. Figure 2 presents the locations of the four temporary monitoring wells.

Volatile Organic Compounds in Groundwater

Table 3 indicates that Toluene was detected at concentrations exceeding the 5 ug/l NYSDEC Class GA Groundwater Standard at three of the four temporary monitoring wells. The maximum concentration of 140ug/l was detected in the sample from monitoring well MW-3. The only other volatile organic compound detected at concentrations exceeding detection limits was acetone, detected at 7ug/l and 6ug/l in the samples from monitoring wells MW-3 and MW-4, respectively. There is no NYSDEC Class GA Groundwater Standard for acetone; the listed guidance value for acetone is 50ug/l.

Semi-volatile Organic Compounds in Groundwater

Table 4 indicates that no semi-volatile organic compounds were detected in groundwater samples at concentrations exceeding the listed detection limits.

Pesticides/PCBs in Groundwater

Table 5 indicates that no pesticides or PCBs were detected in groundwater samples at concentrations exceeding the listed detection limits.

Inorganic Parameters and Cyanide in Groundwater

Table 6 indicates that several inorganic parameters, including antimony, arsenic, chromium, copper, nickel, and lead were detected at concentrations exceeding NYSDEC Class GA Groundwater Standards. Table 7 indicates that cyanide was detected at 0.38 mg/l (class GA groundwater Standard for cyanide is 0.2 mg/l) in the groundwater sample collected from monitoring well MW-3. It should be noted that the groundwater from the temporary monitoring wells exhibited high turbidity which contributes to matrix interference and can skew inorganics results.

5.0 INTERIM REMEDIAL MEASURE

Figure 7 was derived utilizing shallow boring SI soils arsenic data along with appropriate EPA/URS data, and was modeled utilizing *Surfer*TM to indicate approximate areas where soil arsenic concentrations within the three target depth intervals (0"-6", 6"-12", and 12"-18") are expected to exceed the site-specific clean-up goal. The areas were then conservatively squared off to provide areas compatible with mechanized earthwork equipment and establishment of a site control grid.

Based on the general distribution of arsenic-impacted soils within the 0-inch to six-inch depth interval at the site, and on the less frequent and more dispersed locations where arsenic-impacted soils were detected in soils from deeper depth intervals, an Interim Remedial Measure (IRM) is proposed. The proposed IRM consists of:

- ◆ Excavating all soils within the remedial area indicated on Figure 7 to a depth of six inches below existing grade, and disposing of those soils off-site at a properly permitted disposal facility.
- ◆ Removing additional soil to depths of 12 and 18 inches in the areas indicated on Figure 7, and disposing of those soils off-site at a properly permitted disposal facility.
- ◆ Collecting confirmation soil samples from the vertical limits of excavation (excavation bottom) for arsenic analysis utilizing 24 hour turnaround. Figure 7 indicates the proposed number and locations of confirmation samples.

- ◆ If the data indicate one or more areas remain where arsenic concentrations exceed the RAO, additional soil removal and confirmation sampling will be conducted until the remedial goal is achieved.
- ◆ When the data from the confirmation samples indicates arsenic concentrations less than the 20 mg/kg RAO have been achieved, the site will be renovated by placing and compacting clean fills to approximately six-inches below grade, then placing six inches of clean top soil, raking, and seeding the area.
- ◆ The IRM contractor will be required to backfill using uncontaminated materials from off site. The Contractor must demonstrate, via laboratory analysis, that his proposed backfill for the area will have chemical concentrations less than, or equal to, the Recommended Soil Clean-up Criteria from the NYSDEC's Technical and Guidance Memorandum (TAGM) #4046 for TCL VOCs, SVOCs, PCBs/Pesticides, and TAL inorganic parameters.
- ◆ Approximately 3,800 cubic yards of soil would be excavated to achieve the excavation limits shown on Figure 7.

The above approach will provide a site which:

- ◆ Is cleared of soils known to contain arsenic concentrations exceeding the 20 mg/kg RAO; and
- ◆ Has a minimum of six inches of imported fill cover material over the remaining soil that was present before the IRM.

The summary site arsenic data indicate that the above-described approach should result in a site where the majority of arsenic concentrations at the specified depth of excavation will be at or near the NYSDEC's 7.5 mg/kg clean-up objective from TAGM 4046. Furthermore, a six-inch minimum cover layer of non-impacted soils will provide protection from the underlying soils that were present at the site prior to the IRM.

In designing the IRM the following special project conditions will be specified:

- ◆ Community air monitoring consistent with NYSDOH guidance and site-specific action levels will be conducted by the Remedial Contractor throughout the IRM;
- ◆ The Remedial Contractor will be required to submit a Plan of Operations that will demonstrate how the Contractor will successfully prevent site soils from becoming airborne, or from otherwise migrating from the site via storm water, on the wheels of vehicles, or by any other means.

- ◆ The Contractor will be required to provide a secure site during the IRM to protect the public from entering the site or otherwise being exposed to arsenic-impacted soils;
- ◆ The Contractor will be required to provide a site-specific Health and Safety Plan and an Emergency Response Contingency Plan for his employees to protect the employees from exposure to site contaminants as well as general worksite hazards.
- ◆ An arborist provided by the City of Buffalo advises that soil removal from six inches to eighteen inches deep in the areas near the mature trees that surround the site will be detrimental to the long term survival of the trees. For this reason, the remedial contractor's scope of work shall include removal and disposal of these trees, and replacement with young trees at the conclusion of work.

Following completion of these remedial measures, an IRM report will be issued consistent with NYSDEC guidance which at a minimum will include:

- ◆ A summary of the remedy
- ◆ A summary by area of remedial construction completed including contaminants removed, disposition of wastestreams, and a description of field changes or problems which occurred in completing the work.
- ◆ A comparison to remedial standards.
- ◆ A data summary.
- ◆ A description of site restoration activities including the quantity and quality of imported fill material.
- ◆ A budget summary showing actual remedial costs incurred.
- ◆ Record drawings.

Following submittal of the IRM report to NYSDEC, a meeting will be held to discuss the effectiveness of the remedy and the need for any further analysis including contaminant fate and transport, qualitative risk assessment and/or supplemental remedial alternatives development. A decision as to the need for supplemental work will be based upon a review of the performance of the IRM in mitigating exposure risks at the site.

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TABLES

Table 1
Total Arsenic Analytical Results for Shallow Soil Borings
Boone Park Brownfields Project
Site Investigation Report

| Boring Location | Total Arsenic Concentration (mg/kg or ppm) | | |
|-----------------|--|----------------|-----------------|
| | 0" - 6" Depth | 6" - 12" Depth | 12" - 18" Depth |
| SB-1 | 5.7 N*J | 10.1 N*J | 8.1 N*J |
| SB-2 | 5.6 N*J | 17.3 N*J | 6.6 N*J |
| SB-3 | 8.3 N*J | 37.1 N*J | 14.8 N*J |
| SB-4 | 5.5 N*J | 11.4 N*J | 8.6 N*J |
| SB-5 | 10.7 N*J | 7.7 N*J | 4.5 N*J |
| SB-6 | 13 N*J | 11.4 N*J | 10 N*J |
| SB-7 | 67.1 N*J | 24.7 N*J | 11 N*J |
| SB-8 | 28.5 N*J | 19.6 N*J | 9.6 N*J |
| SB-9 | 24.2 N*J | 11.2 N*J | 6.6 N*J |
| SB-10 | 62.9 N*J | 57.6 N*J | 5.8 N*J |
| SB-11 | 8.2 N*J | 353 N*J | 10.4 N*J |
| SB-12 | 41.7 N*J | 12.8 N*J | 55.5 N*J |
| SB-13 | 29.9 N*J | 4.4 N*J | 82.4 N*J |
| SB-14 | 6.9 N*J | 8.5 N*J | 12.2 N*J |
| SB-15 | 61.7 N*J | 19.5 N*J | 12.8 N*J |
| SB-16 | 35.8 N*J | 13.9 N*J | 5.7 N*J |
| SB-17 | 12.5 N*J | 10.4 N*J | 8.4 N*J |
| SB-18 | 33 N*J | 10.9 N*J | 11.7 N*J |
| SB-19 | 35.1 N*J | 17.3 N*J | 9.4 N*J |
| SB-20 | 60.2 N*J | 17.5 N*J | 11.2 N*J |

Notes:

1. The NYSDEC Recommended Soil Clean-Up Objective for arsenic is 7.5 mg/kg or Site Background
2. The Site-Specific Clean-up Objective for arsenic is 20 mg/kg.
3. Concentrations Exceeding the Site Specific Clean-Up Objective are shaded

Data Qualifiers:

- N Indicates spike sample recovery is not within the quality control limits.
 * Indicates analysis is not within the quality control limits
 J Estimated Value

| | | | |
|---------------------------|---------|--------|---------|
| sitewide averages | 27.80 | 33.80 | 15.20 |
| number of detections > 20 | 11(55%) | 4(20%) | 2 (10%) |
| number of detections > 75 | 0 (0%) | 1 (5%) | 1 (5%) |

Table 2
Total Arsenic Analytical Results for Deep Soil Borings
Boone Park Brownfields Project
Site Investigation Report

| Boring Location | Total Arsenic Concentration (mg/kg or ppm) (samples are composites from the 0-inch to 48-inch depth interval) |
|-----------------|--|
| DB-1 | 40 N*J |
| DB-2 | 8.3 N*J |
| DB-3 | 34.4 N*J |
| DB-4 | 85.4 N*J |

Notes:

1. The NYSDEC Recommended Soil Clean-Up Objective for arsenic is 7.5 mg/kg or Site Background
2. The Site-Specific Clean-up Objective for arsenic is 20 mg/kg.
3. Concentrations Exceeding the Site Specific Clean-Up Objective are shaded

Data Qualifiers:

- N Spike sample recovery is not within the quality control limits.
- * Analysis is not within the quality control limits
- J Estimated Value

Table 3
TCL Volatile Organic Compounds Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Compound | MW-1 | MW-2 | MW-3 | MW-4 |
|---------------------------------------|------------------------------|-------|-------|-------|
| | Concentration in ug/l or ppb | | | |
| 1,1,1-Trichloroethane | 10 U | 10 U | 10 U | 10 U |
| 1,1,2,2-Tetrachloroethane | 10 U | 10 U | 10 U | 10 U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 U | 10 U | 10 U | 10 U |
| 1,1,2-Trichloroethane | 10 U | 10 U | 10 U | 10 U |
| 1,1-Dichloroethane | 10 U | 10 U | 10 U | 10 U |
| 1,1-Dichloroethene | 10 U | 10 U | 10 U | 10 U |
| 1,2,4-Trichlorobenzene | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dibromo-3-chloropropane | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dibromoethane | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dichlorobenzene | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dichloroethane | 10 U | 10 U | 10 U | 10 U |
| 1,2-Dichloropropane | 10 U | 10 U | 10 U | 10 U |
| 1,3-Dichlorobenzene | 10 U | 10 U | 10 U | 10 U |
| 1,4-Dichlorobenzene | 10 U | 10 U | 10 U | 10 U |
| 2-Butanone | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| 2-Hexanone | 10 UJ | 10 UJ | 10 UJ | 10 UJ |
| 4-Methyl-2-pentanone | 10 U | 10 U | 10 U | 10 U |
| Acetone | 10 UJ | 10 UJ | 7 J | 6 J |
| Benzene | 10 U | 10 U | 10 U | 10 U |
| Bromodichloromethane | 10 U | 10 U | 10 U | 10 U |
| Bromoform | 10 U | 10 U | 10 U | 10 U |
| Bromomethane | 10 U | 10 U | 10 U | 10 U |
| Carbon Disulfide | 10 U | 10 U | 10 U | 10 U |
| Carbon Tetrachloride | 10 U | 10 U | 10 U | 10 U |
| Chlorobenzene | 10 U | 10 U | 10 U | 10 U |
| Chloroethane | 10 U | 10 U | 10 U | 10 U |
| Chloroform | 10 U | 10 U | 10 U | 10 U |
| Chloromethane | 10 U | 10 U | 10 U | 10 U |
| cis-1,2-Dichloroethene | 10 U | 10 U | 10 U | 10 U |
| cis-1,3-Dichloropropene | 10 U | 10 U | 10 U | 10 U |
| Cyclohexane | 10 U | 10 U | 10 U | 10 U |
| Dibromochloromethane | 10 U | 10 U | 10 U | 10 U |
| Dichlorodifluoromethane | 10 U | 10 U | 10 U | 10 U |
| Ethylbenzene | 10 U | 10 U | 10 U | 10 U |
| Isopropylbenzene | 10 U | 10 U | 10 U | 10 U |
| Methyl acetate | 10 U | 10 U | 10 U | 10 U |
| Methyl tert butyl ether | 10 U | 10 U | 10 U | 10 U |
| Methylcyclohexane | 10 U | 10 U | 10 U | 10 U |
| Methylene chloride | 10 U | 10 U | 10 U | 10 U |
| Styrene | 10 U | 10 U | 10 U | 10 U |
| Tetrachloroethene | 10 U | 10 U | 10 U | 10 U |
| Toluene | 16 | 10 U | 140 | 48 |
| Total Xylenes | 10 U | 10 U | 10 U | 10 U |
| trans-1,2-Dichloroethene | 10 U | 10 U | 10 U | 10 U |

Table 3 (continued)
TCL Volatile Organic Compounds Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Compound | MW-1 | MW-2 | MW-3 | MW-4 |
|---------------------------|------------------------------|------|------|------|
| | Concentration in ug/l or ppb | | | |
| trans-1,3-Dichloropropene | 10 U | 10 U | 10 U | 10 U |
| Trichloroethene | 10 U | 10 U | 10 U | 10 U |
| Trichlorofluoromethane | 10 U | 10 U | 10 U | 10 U |
| Vinyl chloride | 10 U | 10 U | 10 U | 10 U |

Data Qualifiers:

U Compound was analyzed for, but not detected at or above the reporting limit.

J Estimated Value

Table 4
TCL Semi-Volatile Organic Compounds Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Compound | MW-1 | MW-2 | MW-3 | MW-4 |
|------------------------------|------------------------------|-------|-------|-------|
| | Concentration in ug/l or ppb | | | |
| 2,2'-Oxybis(1-Chloropropane) | 11 U | 10 U | 10 U | 11 U |
| 2,4,5-Trichlorophenol | 27 U | 25 U | 25 U | 28 U |
| 2,4,6-Trichlorophenol | 11 U | 10 U | 10 U | 11 U |
| 2,4-Dichlorophenol | 11 U | 10 U | 10 U | 11 U |
| 2,4-Dimethylphenol | 11 U | 10 U | 10 U | 11 U |
| 2,4-Dinitrophenol | 27 UJ | 25 UJ | 25 UJ | 28 UJ |
| 2,4-Dinitrotoluene | 11 U | 10 U | 10 U | 11 U |
| 2,6-Dinitrotoluene | 11 U | 10 U | 10 U | 11 U |
| 2-Chloronaphthalene | 11 U | 10 U | 10 U | 11 U |
| 2-Chlorophenol | 11 U | 10 U | 10 U | 11 U |
| 2-Methylnaphthalene | 11 U | 10 U | 10 U | 11 U |
| 2-Methylphenol | 11 U | 10 U | 10 U | 11 U |
| 2-Nitroaniline | 27 U | 25 U | 25 U | 28 U |
| 2-Nitrophenol | 11 U | 10 U | 10 U | 11 U |
| 3,3'-Dichlorobenzidine | 11 U | 10 U | 10 U | 11 U |
| 3-Nitroaniline | 27 U | 25 U | 25 U | 28 U |
| 4,6-Dinitro-2-methylphenol | 27 U | 25 U | 25 U | 28 U |
| 4-Bromophenyl phenyl ether | 11 U | 10 U | 10 U | 11 U |
| 4-Chloro-3-methylphenol | 11 U | 10 U | 10 U | 11 U |
| 4-Chloroaniline | 11 U | 10 U | 10 U | 11 U |
| 4-Chlorophenyl phenyl ether | 11 U | 10 U | 10 U | 11 U |
| 4-Methylphenol | 11 U | 10 U | 0.4 J | 11 U |
| 4-Nitroaniline | 27 U | 25 U | 25 U | 28 U |
| 4-Nitrophenol | 27 U | 25 U | 25 U | 28 U |
| Acenaphthene | 11 U | 10 U | 10 U | 11 U |
| Acenaphthylene | 11 U | 10 U | 10 U | 11 U |
| Acetophenone | 11 U | 10 U | 10 U | 11 U |
| Anthracene | 11 U | 10 U | 10 U | 11 U |
| Atrazine | 11 U | 10 U | 10 U | 11 U |
| Benzaldehyde | 11 U | 10 U | 10 U | 0.7 J |
| Benzo(a)anthracene | 11 U | 10 U | 10 U | 11 U |
| Benzo(a)pyrene | 11 U | 10 U | 10 U | 11 U |
| Benzo(b)fluoranthene | 11 U | 10 U | 10 U | 11 U |
| Benzo(ghi)perylene | 11 U | 10 U | 10 U | 11 U |
| Benzo(k)fluoranthene | 11 U | 10 U | 10 U | 11 U |
| Biphenyl | 11 U | 10 U | 10 U | 11 U |
| Bis(2-chloroethoxy) methane | 11 U | 10 U | 10 U | 11 U |
| Bis(2-chloroethyl) ether | 11 U | 10 U | 10 U | 11 U |
| Bis(2-ethylhexyl) phthalate | 11 U | 10 U | 10 U | 11 U |
| Butyl benzyl phthalate | 11 U | 10 U | 10 U | 11 U |
| Caprolactam | 11 U | 10 U | 10 U | 11 U |
| Carbazole | 11 U | 10 U | 10 U | 11 U |
| Chrysene | 11 U | 10 U | 10 U | 11 U |
| Di-n-butyl phthalate | 11 U | 10 U | 10 U | 1 J |

Table 4 (continued)
TCL Semi-Volatile Organic Compounds Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Compound | MW-1 | MW-2 | MW-3 | MW-4 |
|----------------------------|------------------------------|-------|-------|-------|
| | Concentration in ug/l or ppb | | | |
| Di-n-octyl phthalate | 11 U | 10 U | 10 U | 11 U |
| Dibenzo(a,h)anthracene | 11 U | 10 U | 10 U | 11 U |
| Dibenzofuran | 11 U | 10 U | 10 U | 11 U |
| Diethyl phthalate | 11 U | 10 U | 10 U | 11 U |
| Dimethyl phthalate | 11 U | 10 U | 10 U | 11 U |
| Fluoranthene | 11 U | 10 U | 10 U | 11 U |
| Fluorene | 11 U | 10 U | 10 U | 11 U |
| Hexachlorobenzene | 11 U | 10 U | 10 U | 11 U |
| Hexachlorobutadiene | 11 U | 10 U | 10 U | 11 U |
| Hexachlorocyclopentadiene | 11 UJ | 10 UJ | 10 UJ | 11 UJ |
| Hexachloroethane | 11 U | 10 U | 10 U | 11 U |
| Indeno(1,2,3-cd)pyrene | 11 U | 10 U | 10 U | 11 U |
| Isophorone | 11 U | 10 U | 10 U | 11 U |
| N-Nitroso-Di-n-propylamine | 11 U | 10 U | 10 U | 11 U |
| N-nitrosodiphenylamine | 11 U | 10 U | 10 U | 11 U |
| Naphthalene | 11 U | 10 U | 10 U | 11 U |
| Nitrobenzene | 11 U | 10 U | 10 U | 11 U |
| Pentachlorophenol | 27 U | 25 U | 25 U | 28 U |
| Phenanthrene | 11 U | 10 U | 10 U | 11 U |
| Phenol | 11 U | 10 U | 2 J | 11 U |
| Pyrene | 11 U | 10 U | 10 U | 11 U |

Data Qualifiers:

U Compound was analyzed for, but not detected at or above the reporting limit.

J Estimated Value

Table 5
TCL Pesticides/Aroclors Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Compound | MW-1 | MW-2 | MW-3 | MW-4 |
|---------------------|------------------------------|--------|---------|---------|
| | Concentration in ug/l or ppb | | | |
| 4,4'-DDD | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| 4,4'-DDE | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| 4,4'-DDT | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Aldrin | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| alpha-BHC | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| alpha-Chlordane | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Aroclor 1016 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| Aroclor 1221 | 2 U | 2 U | 2 U | 2 U |
| Aroclor 1232 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| Aroclor 1242 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| Aroclor 1248 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| Aroclor 1254 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| Aroclor 1260 | 0.98 U | 1 U | 0.98 U | 0.98 U |
| beta-BHC | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| delta-BHC | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Dieldrin | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Endosulfan I | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Endosulfan II | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Endosulfan Sulfate | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Endrin | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Endrin aldehyde | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| Endrin ketone | 0.098 U | 0.1 U | 0.098 U | 0.098 U |
| gamma-BHC (Lindane) | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| gamma-Chlordane | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Heptachlor | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Heptachlor epoxide | 0.049 U | 0.05 U | 0.049 U | 0.049 U |
| Methoxychlor | 0.49 U | 0.5 U | 0.49 U | 0.49 U |
| Toxaphene | 4.9 U | 5 U | 4.9 U | 4.9 U |

Data Qualifiers:

U Compound was analyzed for, but not detected at or above the reporting limit.

Table 6
TAL Inorganic Parameters Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Inorganic Parameter | MW-1 | MW-2 | MW-3 | MW-4 | NYSDEC Class GA Groundwater Standard (ug/l or ppb) |
|---------------------|------------------------------|------------|------------|------------|---|
| | Concentration in ug/l or ppb | | | | |
| Aluminum - Soluble | 122000 EJ | 63400 EJ | 111000 EJ | 70500 EJ | NA |
| Antimony - Total | 6.2 BNJ | 3.2 BNJ | 8.2 BNJ | 3.2 BNJ | 3 |
| Arsenic - Total | 97.7 | 31.8 | 93.9 | 35.9 | 25 |
| Barium - Total | 903 EJ | 591 EJ | 948 EJ | 633 EJ | 1,000 |
| Beryllium - Total | 6.3 | 3.2 | 6.1 | 3.8 | 11 |
| Cadmium - Total | 0.68 B | 0.68 B | 0.2 B | 0.96 B | 5 |
| Calcium - Total | 129000 EJ | 131000 EJ | 513000 EJ | 165000 EJ | NA |
| Chromium - Total | 289 EJ | 111 EJ | 240 EJ | 131 EJ | 50 |
| Cobalt - Total | 125 EJ | 53.1 EJ | 129 EJ | 70.7 EJ | 5 |
| Copper - Total | 414 ENJ | 440 ENJ | 862 ENJ | 277 ENJ | 200 |
| Iron - Total | 299000 E*J | 157000 E*J | 362000 E*J | 161000 E*J | 300 |
| Lead - Total | 209 NJ | 74.4 NJ | 344 NJ | 166 NJ | 25 |
| Magnesium - Total | 59500 EJ | 40100 EJ | 138000 EJ | 81600 EJ | 35,000 |
| Manganese - Total | 5600 ENJ | 1330 ENJ | 7870 ENJ | 4010 ENJ | 300 |
| Mercury - Total | 0.037 U | 0.037 U | 0.183 U | 0.037 U | 0.7 |
| Nickel - Total | 384 EJ | 234 EJ | 420 EJ | 202 EJ | 100 |
| Potassium - Total | 10400 | 8240 | 11500 | 7390 | NA |
| Selenium - Total | 10 B | 11.5 B | 11.8 B | 9.2 B | 10 |
| Silver - Total | 0.8 U | 1.5 U | 2.6 U | 2 U | 50 |
| Sodium - Total | 9660 | 8660 | 50300 | 6590 | 20,000 |
| Thallium - Total | 3.6 NU | 3.6 NU | 3.6 NU | 3.6 NU | NA |
| Vanadium - Total | 202 EJ | 116 EJ | 212 EJ | 120 EJ | NA |
| Zinc - Total | 1200 EJ | 540 EJ | 1960 EJ | 767 EJ | NA |

Notes:

Concentrations exceeding the NYSDEC Class GA Groundwater Standard are shaded

Data Qualifiers:

U Parameter was analyzed for, but not detected at or above the reporting limit.

J or B Value is greater than or equal to the instrument detection limit, but less than the quantitation limit

N Spike sample recovery is not within the quality control limits

E Value is estimated or not reported due to the presence of interferences

* Analysis is not within quality control limits

Table 7
Total Cyanide Analytical Results for Groundwater
Boone Park Brownfields Project
Site Investigation Report

| Parameter | MW-1 | MW-2 | MW-3 | MW-4 |
|-----------------|------------------------------|------|------|--------|
| | Concentration in mg/l or ppm | | | |
| Cyanide - Total | 0.01 U | 0.1 | 0.38 | 0.01 U |

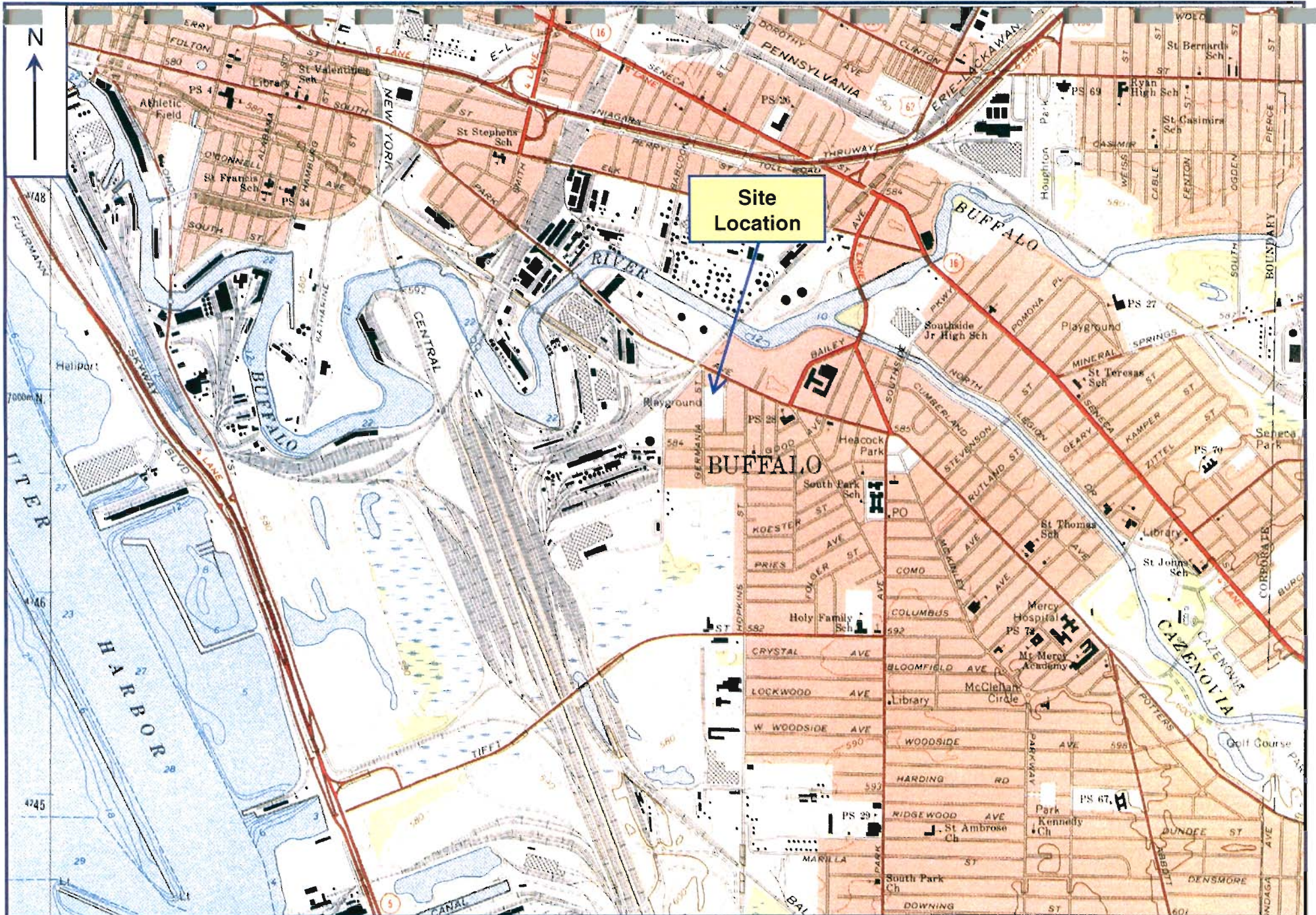
Notes:

NYSDEC Class GA Groundwater Standard for cyanide is 0.2 mg/l
 Concentrations exceeding the NYSDEC Class GA Groundwater Standard are shaded

Data Qualifier:

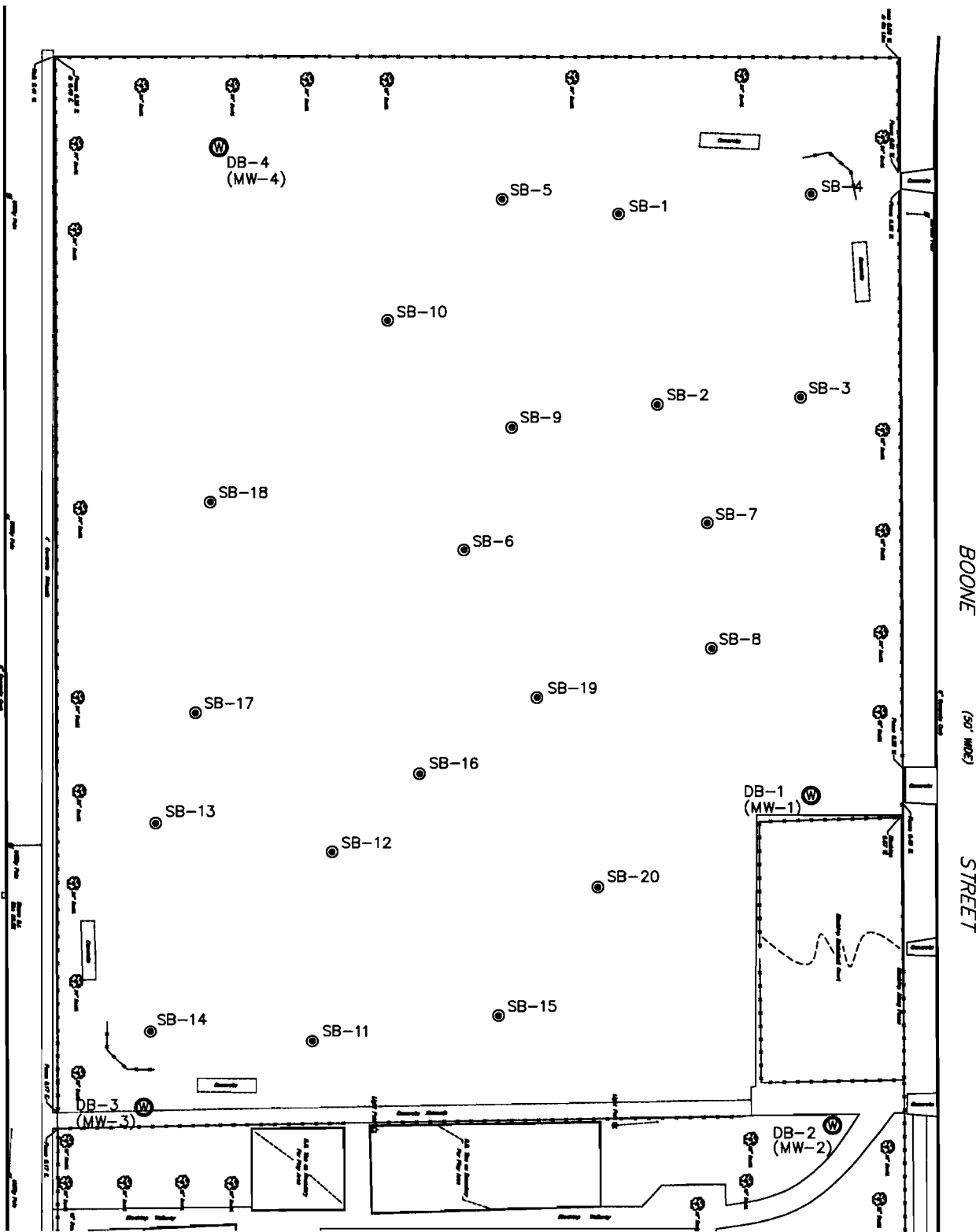
U Parameter was analyzed for, but not detected at or above the reporting limit.

FIGURES



Source: USGS Topographic Maps
Not to Scale

Figure 1
Site Location Map
Boone Park Brownfield Project – Site Investigation Report
Buffalo, New York



LEGEND:

- Ⓜ - LOCATION OF DEEP BORING AND TEMPORARY MONITORING WELL
- ⊙ - LOCATION OF SHALLOW SOIL BORING
- ⊗ - MATURE DECIDUOUS TREE
- PERIMETER FENCE

Nov 16, 2004 - 9:53am
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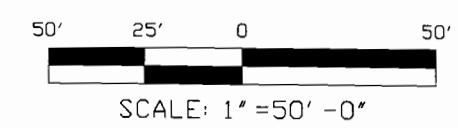
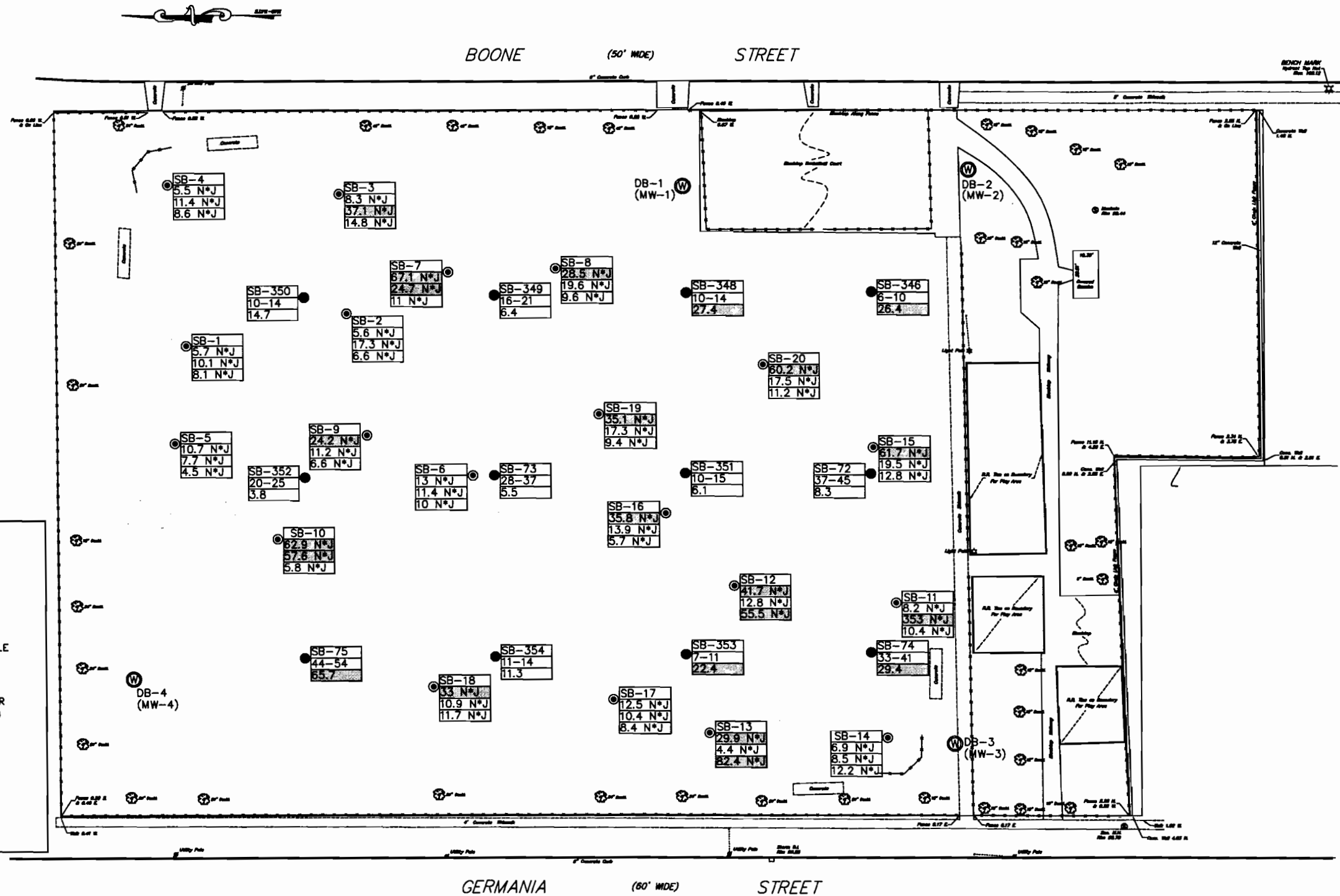
BASED ON A SURVEY DRAWING PROVIDED BY
 HILLARD, MACKAY & DELLES LAND SURVEY, LLP
 DATED 4-23-04



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 TECHNICAL RESOURCES
 OPERATIONS

**BOONE PARK
 BROWNSFIELDS PROJECT
 SITE INVESTIGATION REPORT**

**FIGURE 2
 SI SAMPLE
 LOCATIONS**



Oct 07, 2004 - 1:47pm
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BOONE PARK BROWNSFIELDS PROJECT
SITE INVESTIGATION REPORT

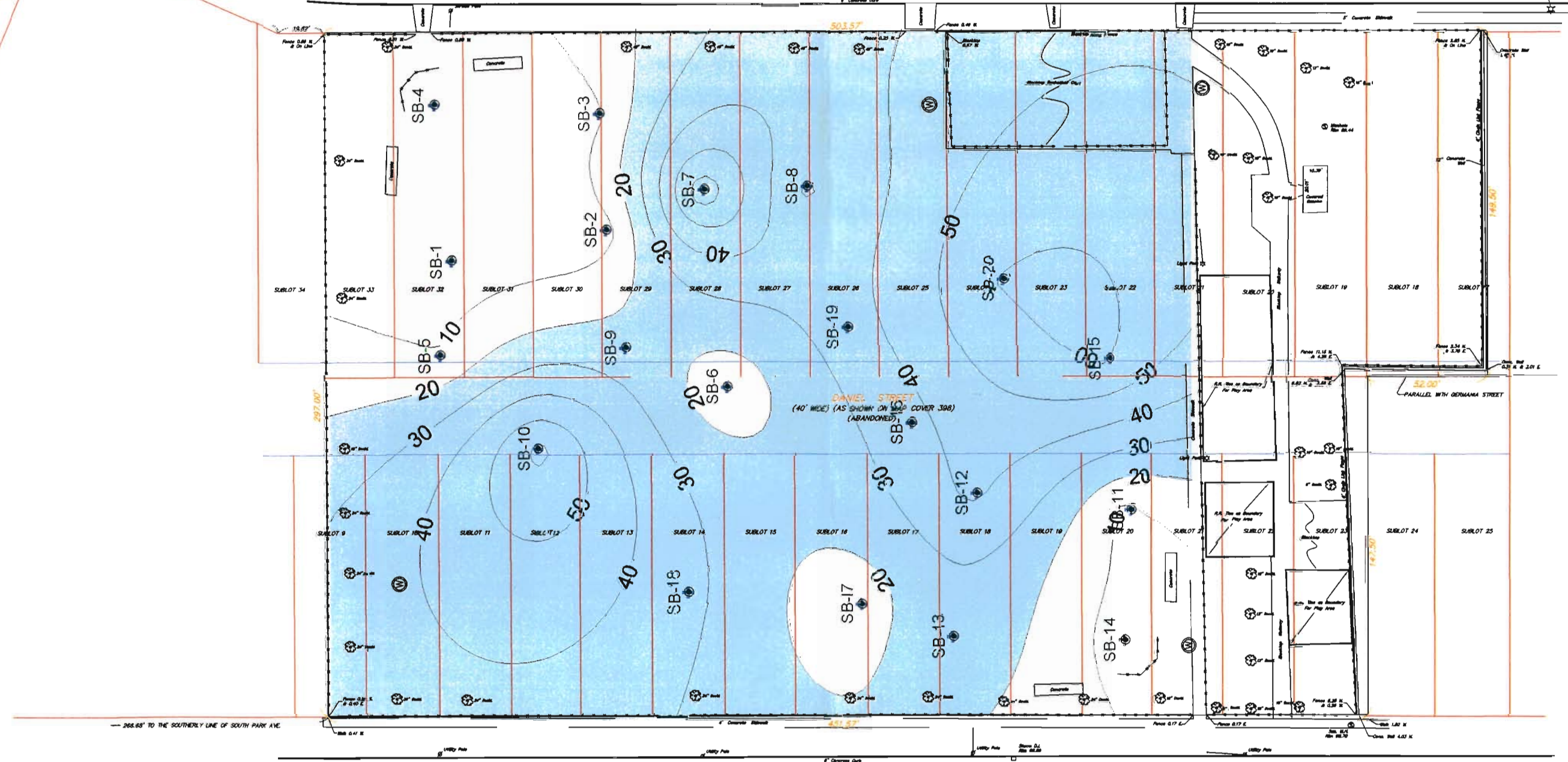
FIGURE 3
SOIL BORING
ARSENIC DATA

SOUTH PARK AVENUE
(REF. MAP)



BOONE (50' WIDE) STREET

BONNY HARRY
SCHOOL BUS STOP
SEE FIG. 12

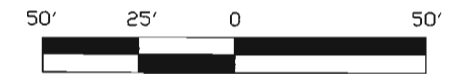


266.68' TO THE SOUTHERLY LINE OF SOUTH PARK AVE.

GERMANIA (60' WIDE) STREET

LEGEND: (ARSENIC CONCENTRATION)

| | |
|--|------------|
| | < 20 mg/kg |
| | > 20 mg/kg |



SCALE: 1" = 50' - 0"

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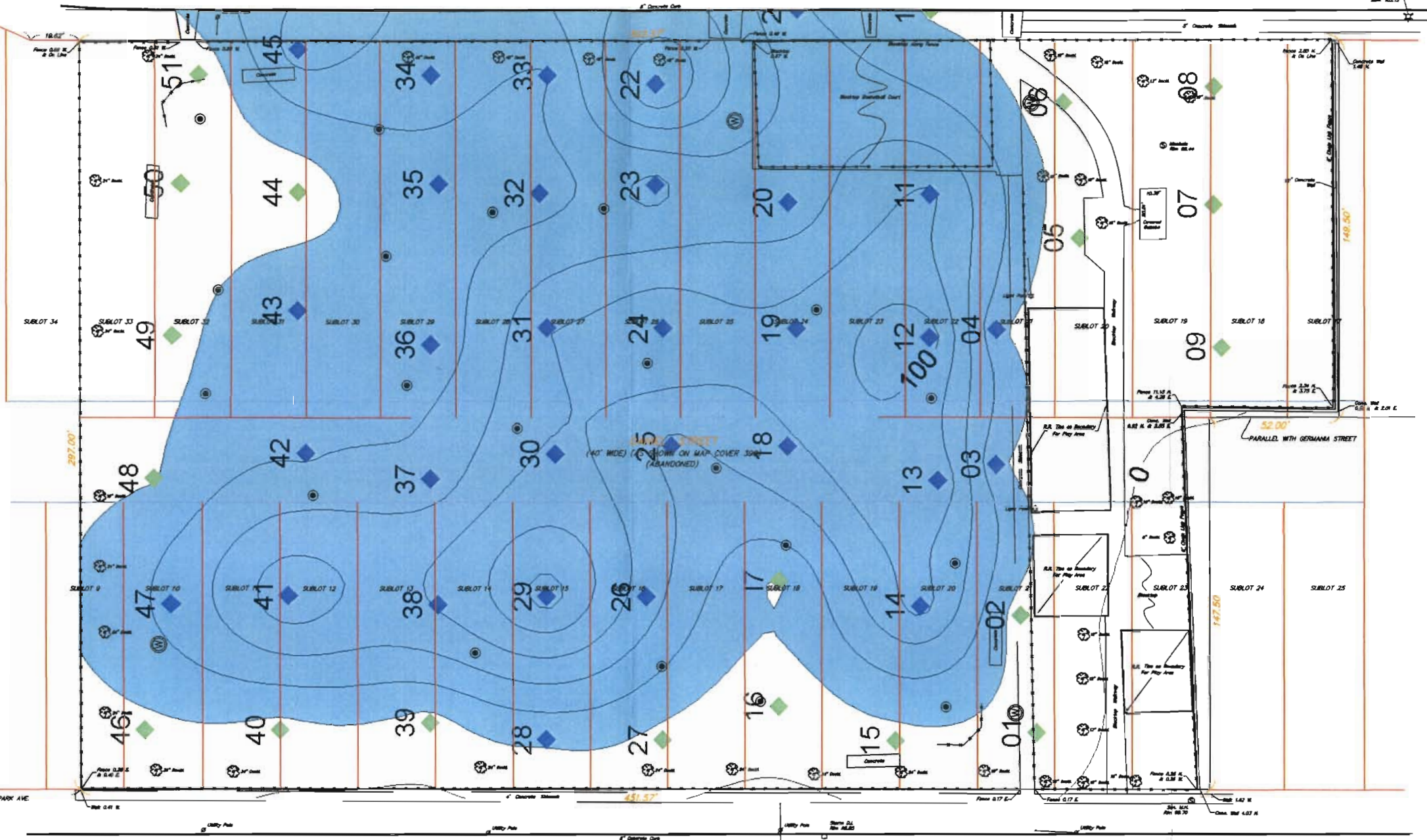
FIGURE 4
ARSENIC ISOCONCENTRATION CONTOURS
0"-6" DEPTH INTERVAL - SI DATA

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SOUTH PARK AVENUE
(50' WIDE)

BOONE (50' WIDE) STREET

GERMANIA (50' WIDE) STREET



LEGEND: (ARSENIC CONCENTRATION)

□ < 20 mg/kg

■ > 20 mg/kg

50' 25' 0 50'

SCALE: 1" = 50' - 0"

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SITE INVESTIGATION REPORT

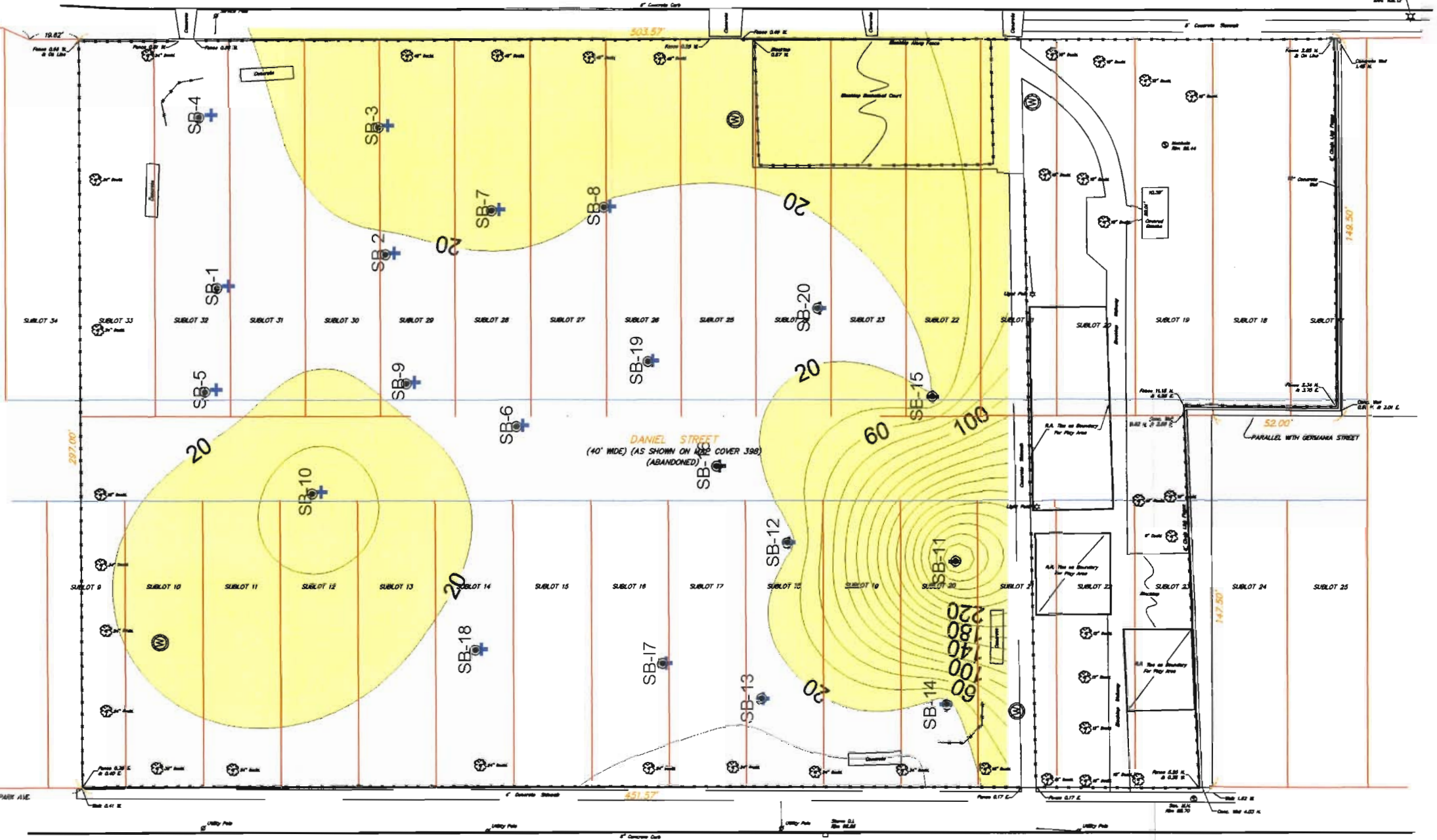
FIGURE 4A
ARSENIC ISOCONCENTRATION
CONTOURS FOR HISTORIC DATA
0'-2" DEPTH INTERVAL

Copyright ©

SOUTH PARK AVENUE
(60' WIDE)

BOONE (50' WIDE) STREET

BENCH MARK
Elev. 28.12



LEGEND: (ARSENIC CONCENTRATION)

| | |
|--|------------|
| | < 20 mg/kg |
| | > 20 mg/kg |



SCALE: 1" = 50' - 0"

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SITE INVESTIGATION REPORT

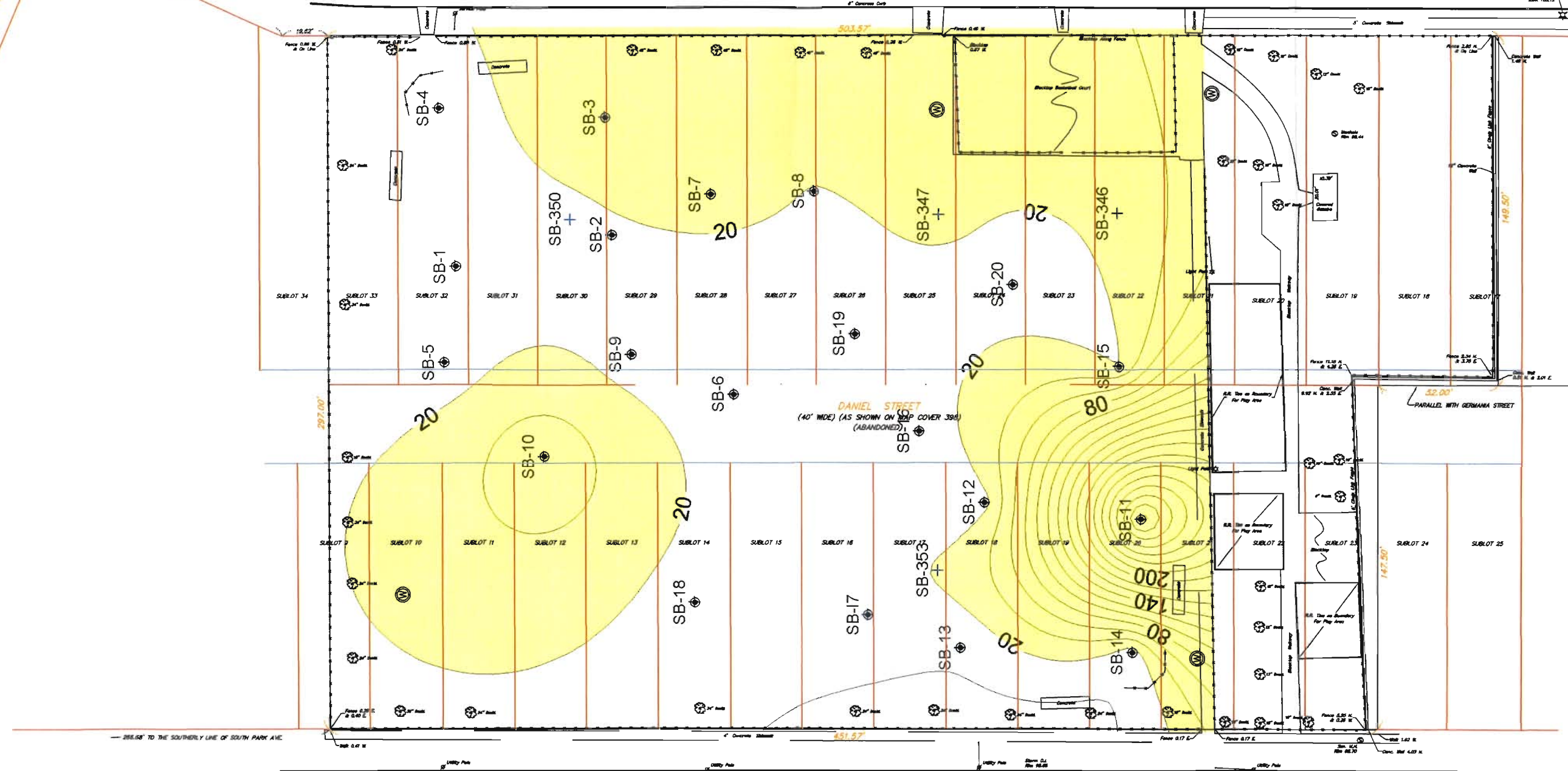
FIGURE 5
ARSENIC ISOCONCENTRATION CONTOURS
6"-12" DEPTH INTERVAL - SI DATA

Copyright ©

SOUTH PARK AVENUE
(60' WIDE)

BOONE (50' WIDE) STREET

GERMANIA (60' WIDE) STREET



LEGEND: (ARSENIC CONCENTRATION)

□ < 20 mg/kg

■ > 20 mg/kg



SCALE: 1" = 50' - 0"

BASED ON A SURVEY DRAWING PROVIDED BY MILLARD, MACKAY & DELLES LAND SURVEY, LLP DATED 4-23-04

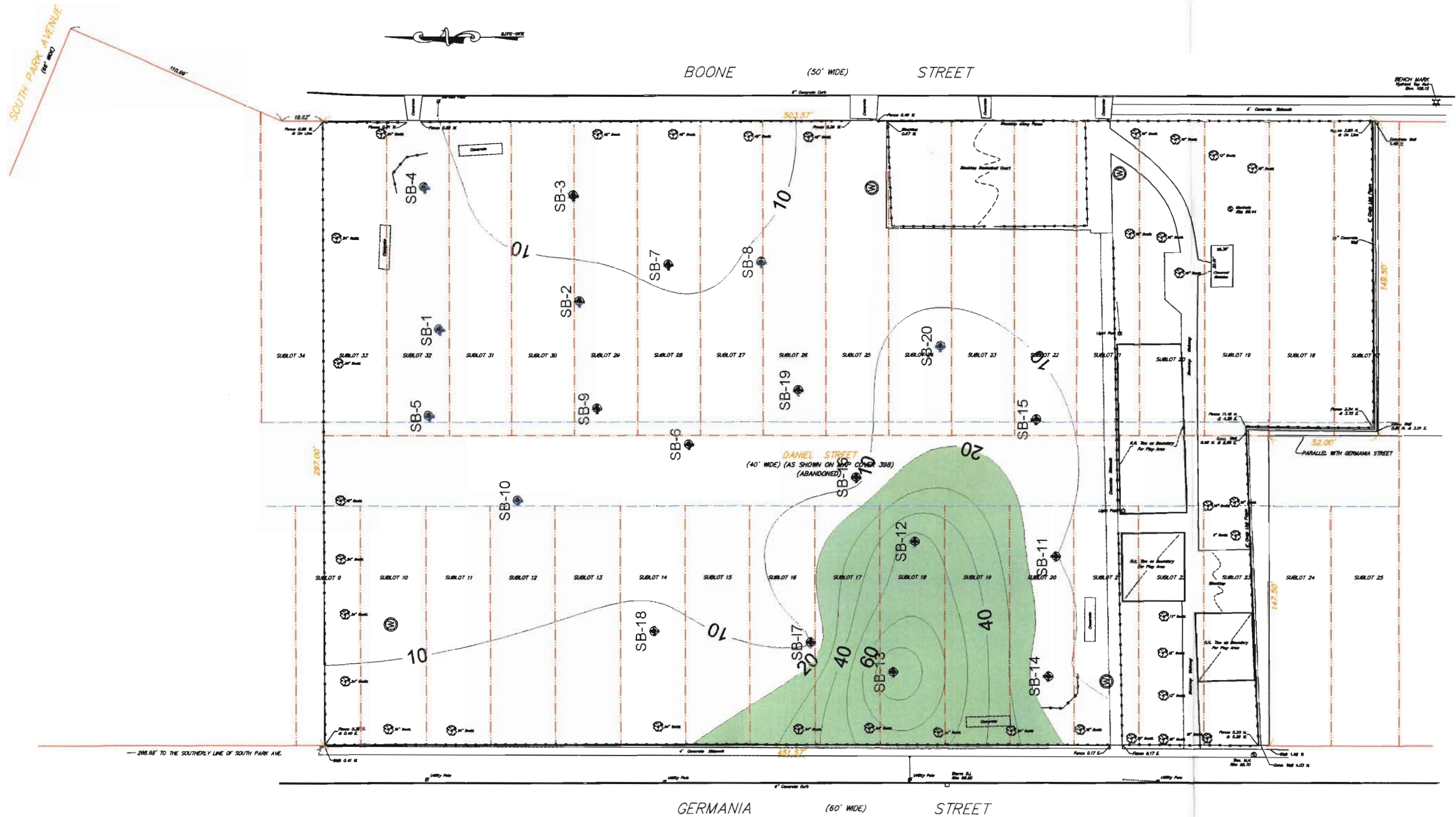


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BOONE PARK BROWNSFIELDS PROJECT
SITE INVESTIGATION REPORT

FIGURE 5A
ARSENIC ISOCONCENTRATION CONTOURS
6"-12" DEPTH INTERVAL
SI AND HISTORIC DATA

Copyright ©



LEGEND: (ARSENIC CONCENTRATION)

| | |
|--|------------|
| | < 20 mg/kg |
| | > 20 mg/kg |



SCALE: 1" = 50' - 0"

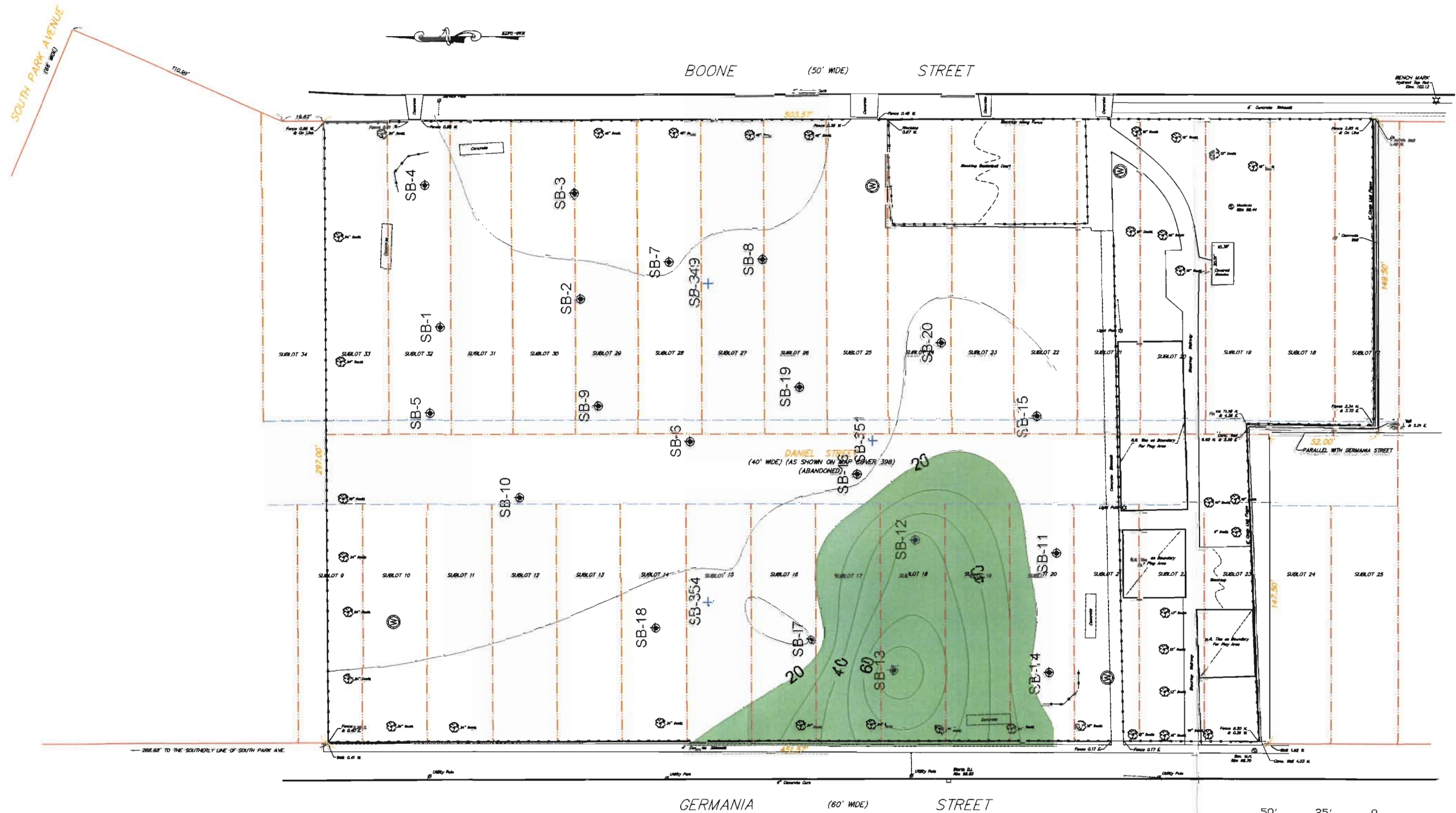
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BOONE PARK BROWNSFIELDS PROJECT
SITE INVESTIGATION REPORT

FIGURE 6
ARSENIC ISOCONCENTRATION CONTOURS
12"-18" DEPTH INTERVAL - SI DATA



LEGEND: (ARSENIC CONCENTRATION)

| | |
|--|------------|
| | < 20 mg/kg |
| | > 20 mg/kg |

50' 25' 0 50'

SCALE: 1" = 50' - 0"

BASED ON A SURVEY DRAWING PROVIDED BY MILLARD, MACKAY & DELLES LAND SURVEY, LLP DATED 4-23-04



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TECHNICAL RESOURCES
OPERATIONS

BOONE PARK BROWNSFIELDS PROJECT
SITE INVESTIGATION REPORT

FIGURE 6A
ARSENIC ISOCONCENTRATION CONTOURS
12"-18" DEPTH INTERVAL
SI AND HISTORIC DATA

SOUTH PARK AVENUE
(60' WIDE)

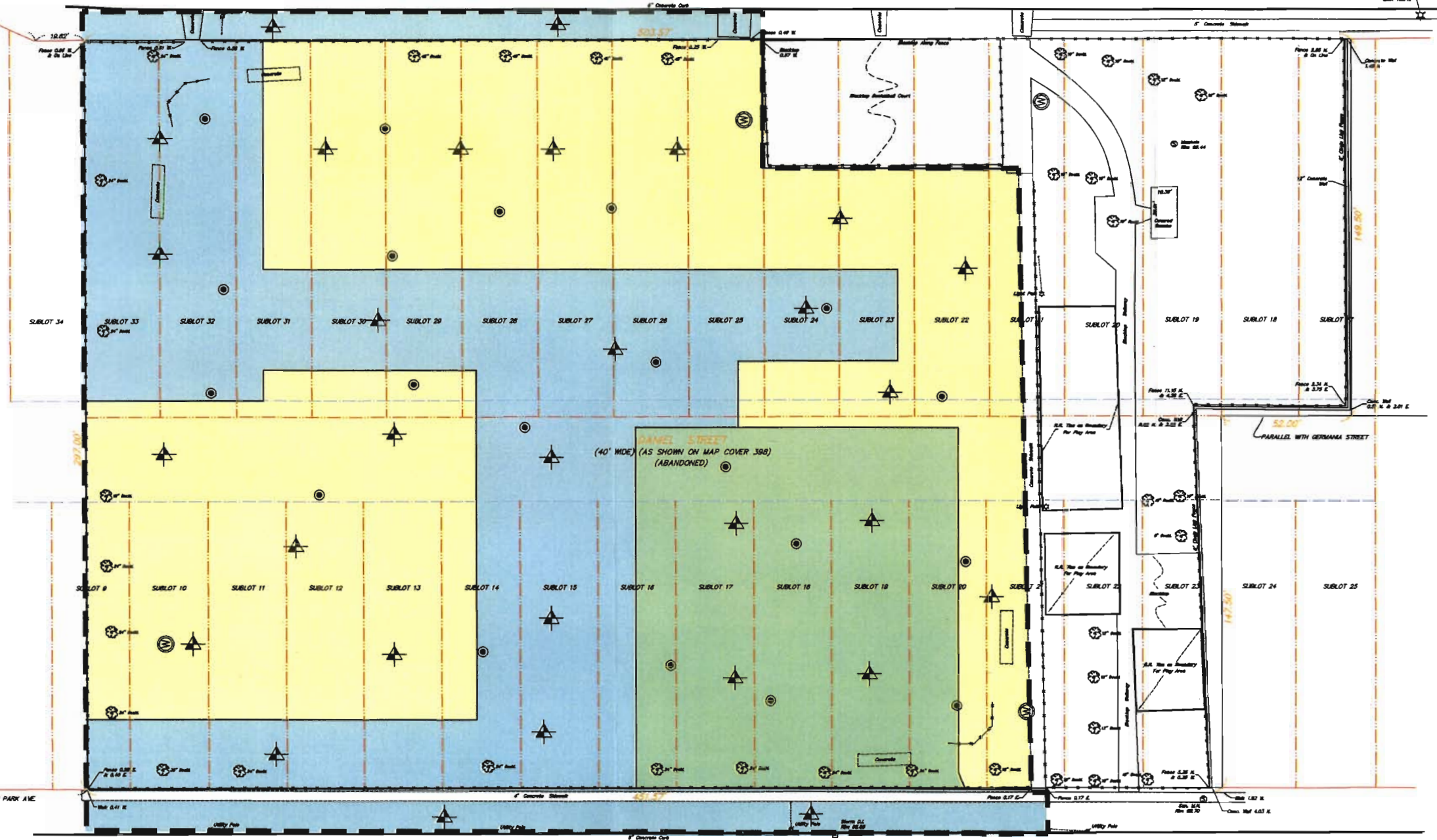


BOONE (50' WIDE) STREET

BOCH MARY
Sublot No. 10
Area: 1.23 A

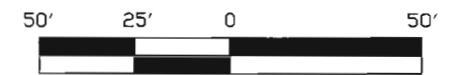
LEGEND:

- - - LIMITS OF IRM EXCAVATIONS
- EXCAVATE TO 6' DEPTH
- EXCAVATE TO 12' DEPTH
- EXCAVATE TO 18' DEPTH
- NO EXCAVATION (SURFACE BARRIER)
- PROPOSED CONFIRMATION SAMPLING LOCATION



266.66' TO THE SOUTHERLY LINE OF SOUTH PARK AVE

GERMANIA (60' WIDE) STREET



SCALE: 1" = 50' - 0"

BASED ON A SURVEY DRAWING PROVIDED BY MILLARD, MACKAY & DELLES LAND SURVEY, LLP DATED 4-23-04



ENGINEERS
DESIGN BUILD
TECHNICAL RESOURCES
OPERATIONS

BOONE PARK BROWNSFIELDS PROJECT
SITE INVESTIGATION REPORT

FIGURE 7
IRM PROPOSED EXCAVATION AREAS
AND CONFIRMATION SAMPLING LOCATIONS

Copyright ©

APPENDIX A
HISTORICAL DATA

BOONE PARK

SOIL SAMPLING RESULTS

CITY OF BUFFALO

USEPA MAY 2000

URS CORP. JUNE-JULY 1999 & APRIL 2001



City of Buffalo

GPS

f. B-00169

OFFICE OF STRATEGIC PLANNING

Anthony M. Masiello, *Mayor*

December 19, 2002

Mr. Martin L. Doster, P.E.
New York State DEC
Division of Hazardous Waste Remediation
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2999

RECEIVED
JAN 2 2003
MUNICIPAL ENGINEERING

Mr. Doster:

Please find attached information regarding the environmental assessment of the Boone Park property located in the City of Buffalo. This includes:

- Twelve maps indicating surface and subsurface soil sample locations of samples collected from Boone Park, with associated analytical concentrations;
- Laboratory Data Sheets for arsenic, lead and PAH analyses performed on the samples.

The maps indicate sample locations and analytical concentrations for samples collected by USEPA in May of 2000 and URS Corp. in June-July 1999 and April 2001.

The City requests that the NYSDEC review the information and schedule a meeting to discuss any further actions that may be required of the City prior to the City applying for a 1996 Clean Air/Clean Water Bond Act grant for site remediation.

Thank you in advance for your consideration and timely response.

Very truly yours,

Dennis Sutton, P.G., CPG
Environmental Project Manager

Copies to: S. Nasca
R. Stanton

Boone Park Surface Soil
Sampling Results
URS Corp.
April 2001

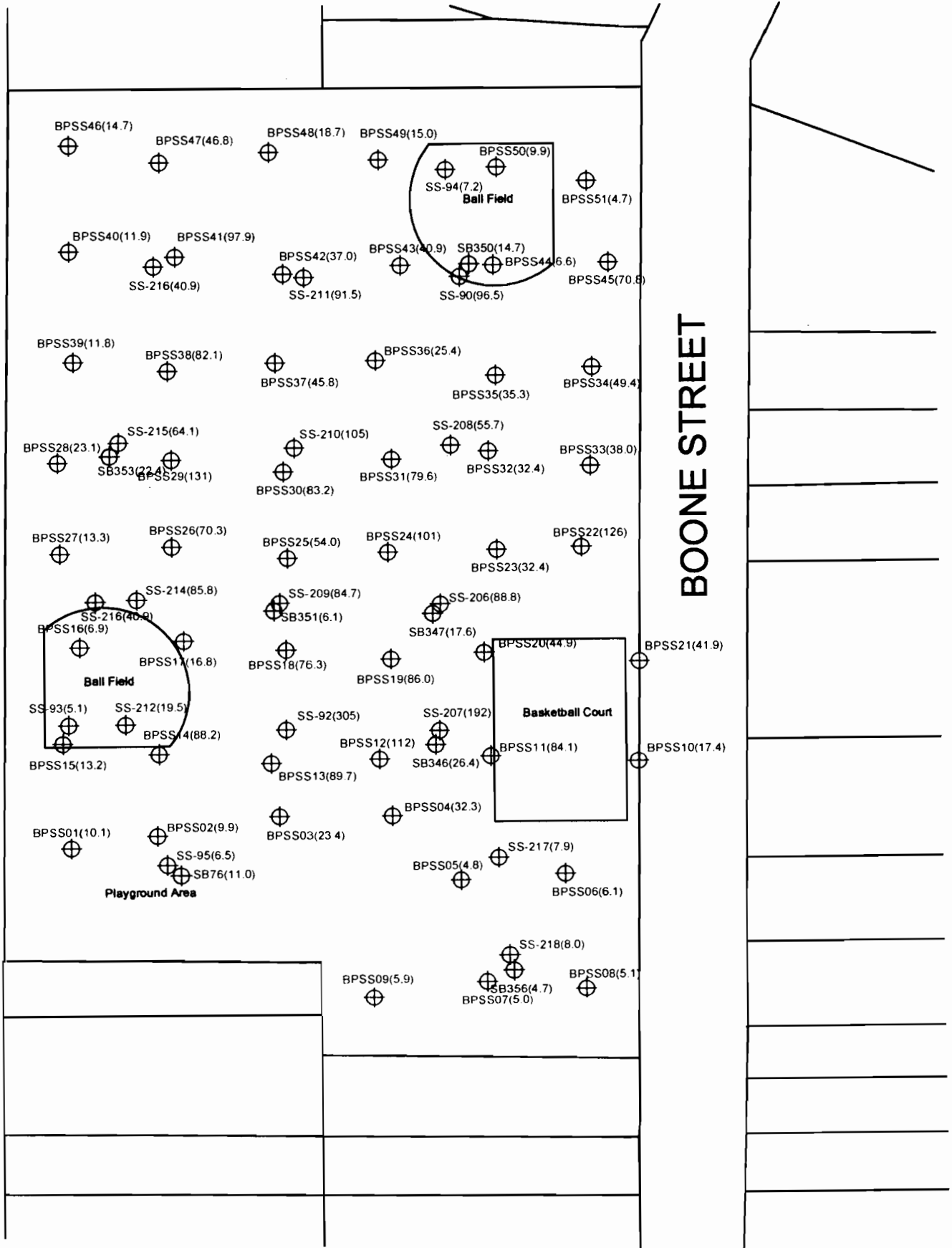
| Sample I.D./ Parameter | Arsenic (mg/kg) | Lead (mg/kg) |
|---------------------------|--------------------|-----------------|
| RAO | 20 | 400 |
| URS -BPSS01 | 10.1 | 97.9 |
| URS -BPSS02 | 9.9 | 100 |
| URS -BPSS03 | 23.4 | 147 |
| URS -BPSS04 | 32.3 | 203 |
| URS -BPSS05 | 4.8 | 111 |
| URS -BPSS06 | 6.1 | 56 |
| URS -BPSS07 | 5.0 | 39.3 |
| URS -BPSS08 | 5.1 | 58.6 |
| URS -BPSS09 | 5.9 | 59.2 |
| URS -BPSS10 | 17.4 | 102 |
| URS -BPSS11 | 84.1 | 99.7 |
| URS -BPSS12 | 112 | 213 |
| URS -BPSS13 | 89.7 | 180 |
| URS -BPSS14 | 88.2 | 153 |
| URS -BPSS15 | 13.2 | 52.0 |
| URS -BPSS16 | 6.9 | 20.0 |
| URS -BPSS17 | 16.8 | 53.4 |
| URS -BPSS18 | 76.3 | 220 |
| URS -BPSS19 | 86.0 | 206 |
| URS -BPSS20 | 44.9 | 199 |
| URS -BPSS21 | 41.9 | 262 |
| URS -BPSS22 | 126 | 272 |
| URS -BPSS23 | 32.4 | 139 |
| URS -BPSS24 | 101 | 143 |

Boone Park Surface Soil
Sampling Results (Cont.)
URS Corp.
April 2001

| Sample I.D./ Parameter | Arsenic (mg/kg) | Lead (mg/kg) |
|---------------------------|--------------------|-----------------|
| RAO | 20 | 400 |
| URS -BPSS26 | 70.3 | 227 |
| URS -BPSS27 | 13.3 | 272 |
| URS -BPSS28 | 23.1 | 320 |
| URS -BPSS29 | 131 | 183 |
| URS -BPSS30 | 83.2 | 164 |
| URS -BPSS31 | 79.6 | 173 |
| URS -BPSS32 | 32.4 | 127 |
| URS -BPSS33 | 38.0 | 167 |
| URS -BPSS34 | 49.4 | 152 |
| URS -BPSS35 | 35.3 | 142 |
| URS -BPSS36 | 25.4 | 115 |
| URS -BPSS37 | 45.8 | 146 |
| URS -BPSS38 | 82.1 | 113 |
| URS -BPSS39 | 11.8 | 192 |
| URS -BPSS40 | 11.9 | 207 |
| URS -BPSS41 | 97.9 | 126 |
| URS -BPSS42 | 37.0 | 159 |
| URS -BPSS43 | 40.9 | 58.0 |
| URS -BPSS44 | 6.6 | 20.6 |
| URS -BPSS45 | 70.8 | 146 |
| URS -BPSS46 | 14.7 | 227 |
| URS -BPSS47 | 46.8 | 134 |
| URS -BPSS48 | 18.7 | 93.4 |
| URS -BPSS49 | 15.0 | 104 |
| URS -BPSS50 | 9.9 | 67.8 |
| URS -BPSS51 | 4.7 | 18.6 |

GEMANIA STREET

BOONE STREET



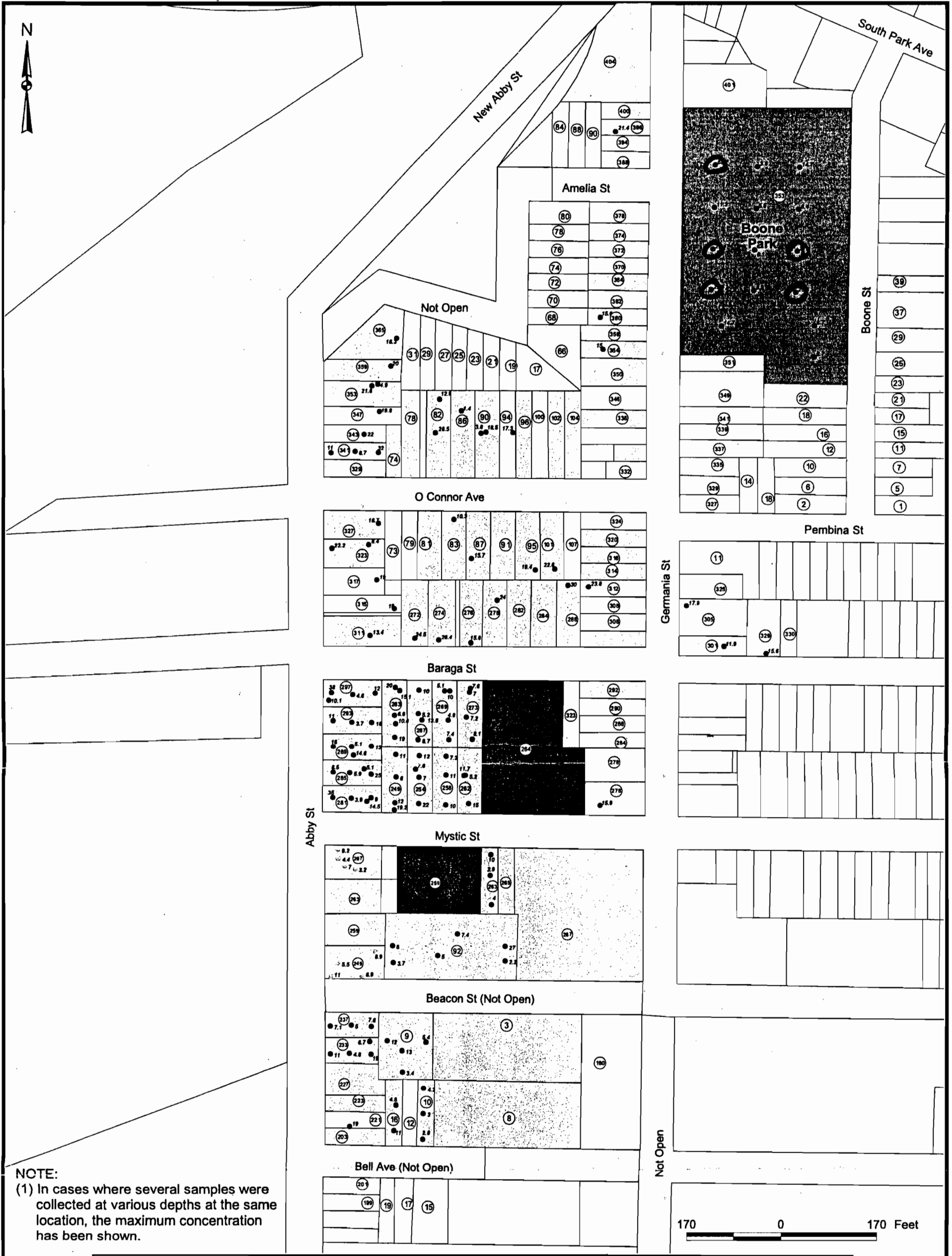
Surface Soil Sample (0-2") Results

⊕ SS-218(8.0) Sample ID(Conc. mg/kg) - EPA Sampling July 2000

⊕ BPSS07(5.0) Sample ID(Conc. mg/kg) - URS Sampling April 2001

Subsurface Soil Sample (>2" - 12") Results

⊕ SB356(4.7) Sample ID(Conc. mg/kg) - EPA Sampling July 2000



NOTE:
 (1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.



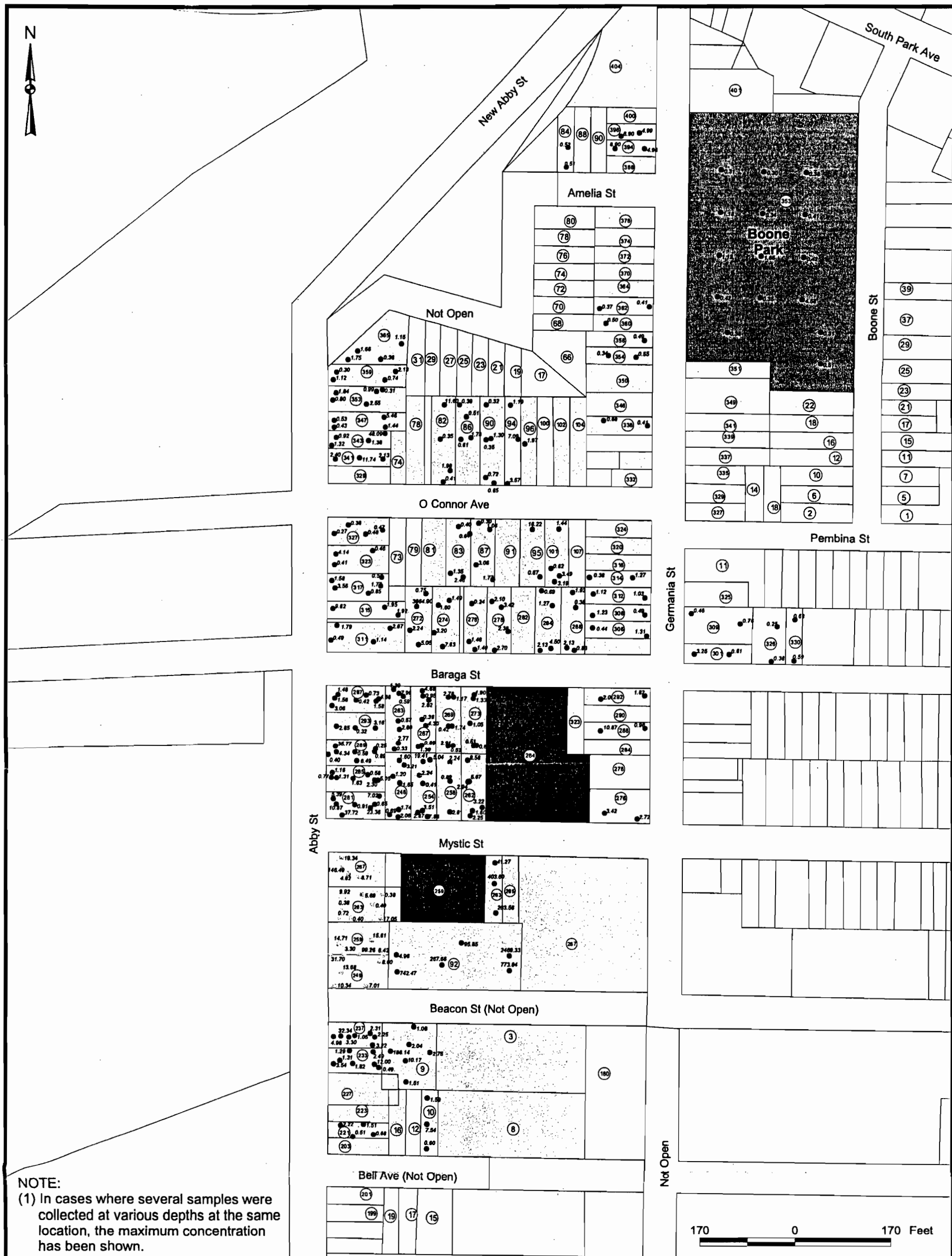
| Legend | | | |
|--------|--------------------------|--|--|
| | Parcel Boundary | | USEPA Sample Location (May 2000) |
| | Street Address | | URS Sample Location (June - July 1999, April 2001) |
| | Commercial | | ACRES Sample Location (Feb. - June 1999) |
| | Recreational | | 4.8 Concentration in mg/kg (ND - Not Detected) |
| | Pre - 1989 Construction | | |
| | Post - 1989 Construction | | |
| | Vacant(Open Lot) | | |



HICKORY WOODS/BOONE PARK
 SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
 ARSENIC

FIGURE

I:\355912_00\GIS\Hickory\arsenic_all - SUBSURFACE 5/14/2002



NOTE:

(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.



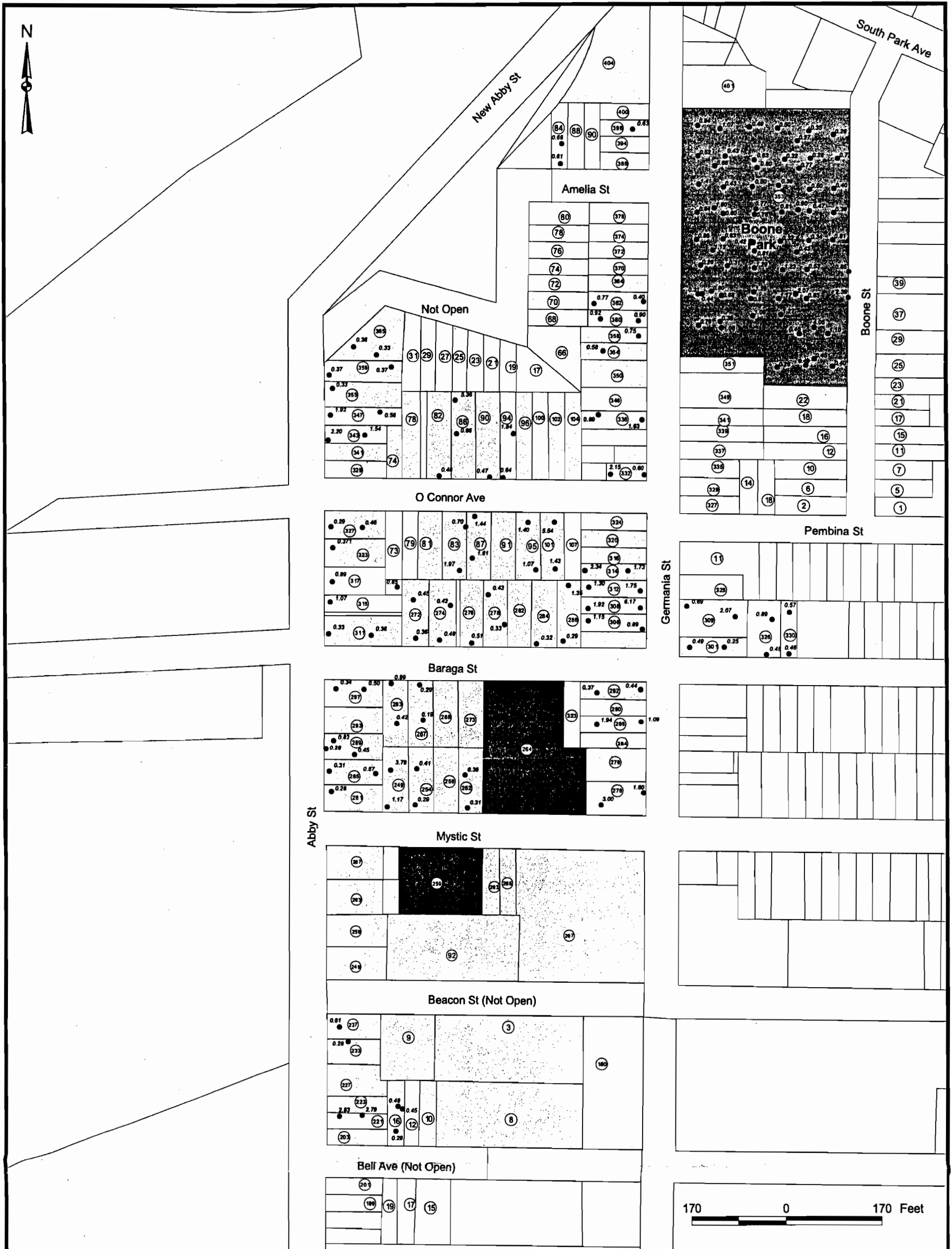
Legend

- | | | |
|------------------|--------------------------|--|
| Parcel Boundary | Residential | USEPA Sample Location (May 2000) |
| Street Address | Recreational | URS Sample Location (June - July 1999, April 2001) |
| Commercial | Pre - 1989 Construction | ACRES Sample Location (Feb. - June 1999) |
| Vacant(Open Lot) | Post - 1989 Construction | 2.2 Concentration in mg/kg (ND - Not Detected) |



HICKORY WOODS/BOONE PARK
 SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
 BENZO(A)PYRENE EQUIVALENTS

FIGURE



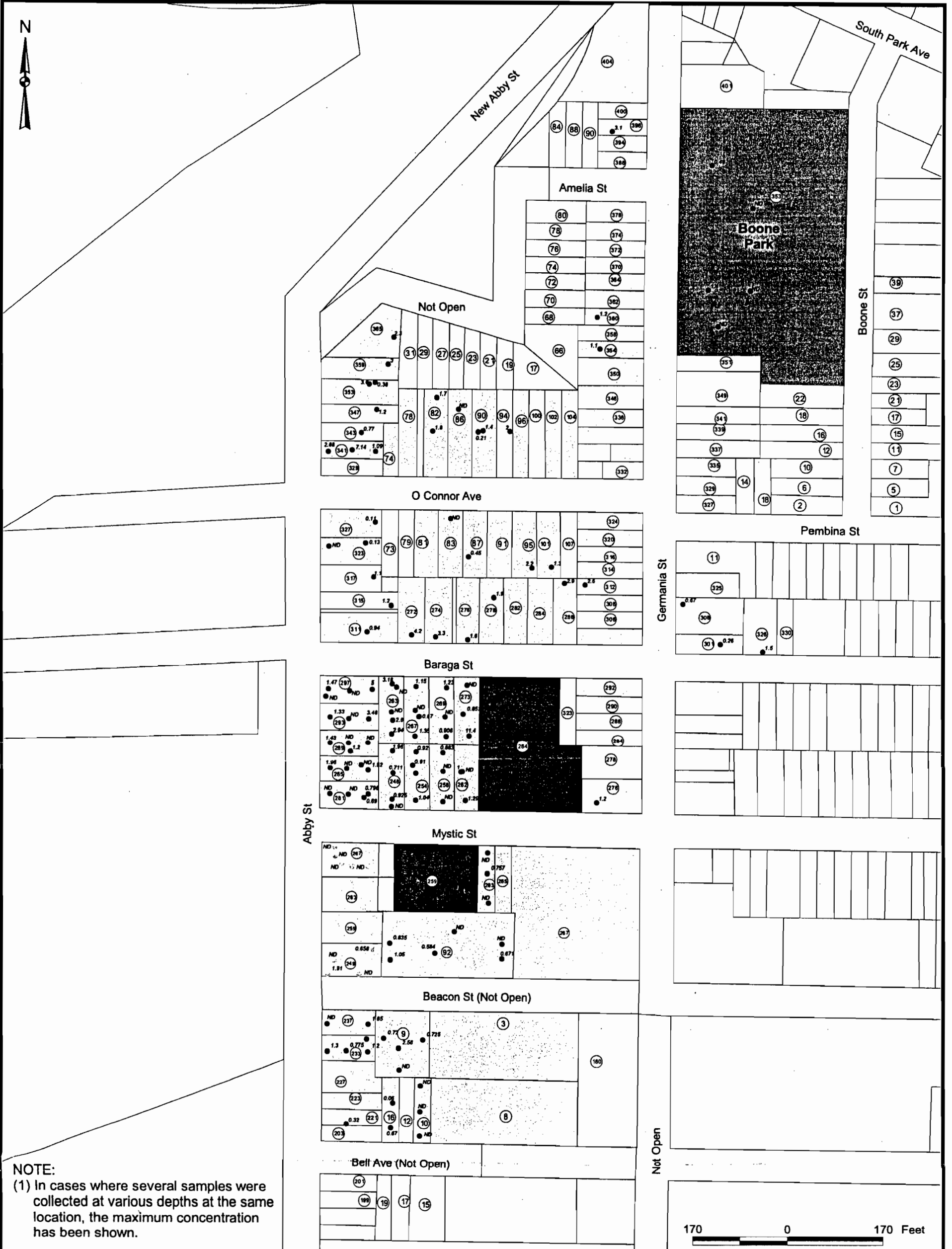
Legend

- | | | |
|------------------|--------------------------|---|
| Parcel Boundary | Residential | USEPA Sample Location (May 2000) |
| Street Address | Recreational | URS Sample Location (April 2001) |
| Commercial | Pre - 1989 Construction | 2.83 Concentration in mg/kg (ND - Not Detected) |
| Vacant(Open Lot) | Post - 1989 Construction | |

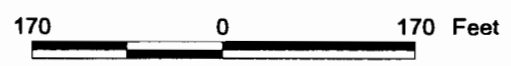


HICKORY WOODS/BOONE PARK
 SURFACE SOIL ANALYTICAL TEST RESULTS (0 - 2")
 BENZO(A)PYRENE EQUIVALENTS

FIGURE



NOTE:
 (1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.

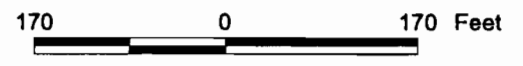
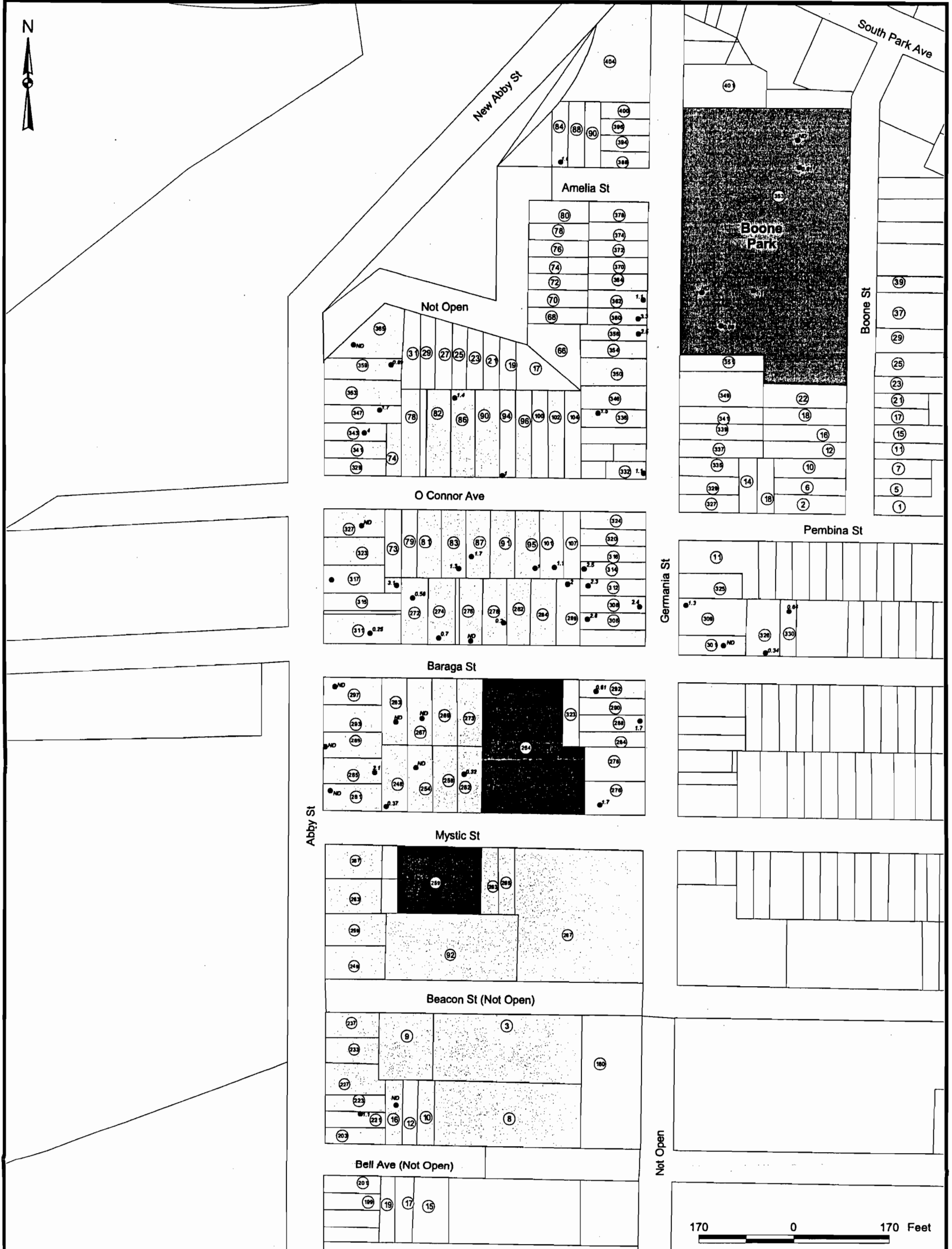


| Legend | | | |
|--------|--------------------------|--|---|
| | Parcel Boundary | | USEPA Sample Location (May 2000) |
| | Street Address | | URS Sample Location (June - July 1999) |
| | Commercial | | ACRES Sample Location (Feb. - June 1999) |
| | Vacant(Open Lot) | | 0.32 Concentration in mg/kg (ND - Not Detected) |
| | Residential | | |
| | Recreational | | |
| | Pre - 1989 Construction | | |
| | Post - 1989 Construction | | |



HICKORY WOODS/BOONE PARK
 SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
 CADMIUM

FIGURE



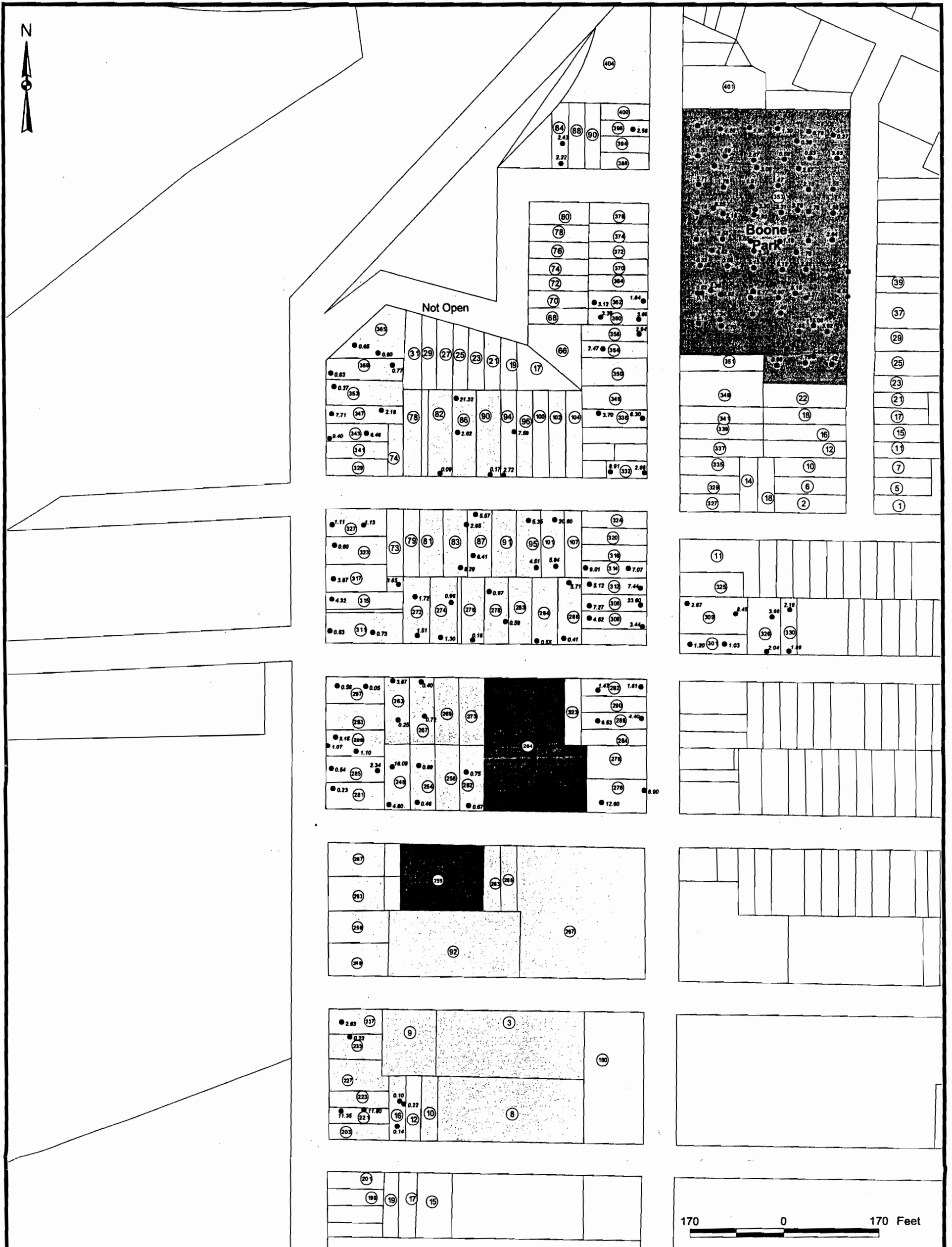
| Legend | | | | | |
|--------|------------------|--|--------------------------|--|--|
| | Parcel Boundary | | Residential | | USEPA Sample Location (MAY 2000) |
| | Street Address | | Recreational | | 227 Concentration in mg/kg (ND - Not Detected) |
| | Commercial | | Pre - 1989 Construction | | |
| | Vacant(Open Lot) | | Post - 1989 Construction | | |

J:\55912_00\GIS\woods2.apr CADMIUM - SURFACE 5/14/2002



HICKORY WOODS/BOONE PARK
SURFACE SOIL ANALYTICAL TEST RESULTS (0-2")
CADMIUM

FIGURE





New Abby St

South Park Ave

Amelia St

Not Open

Boone Park

Boone St

O Connor Ave

Pembina St

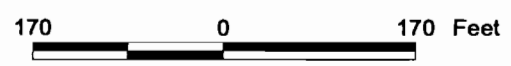
Baraga St

Germania St

Mystic St

Beacon St (Not Open)

Bell Ave (Not Open)



NOTE:
(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.

Legend

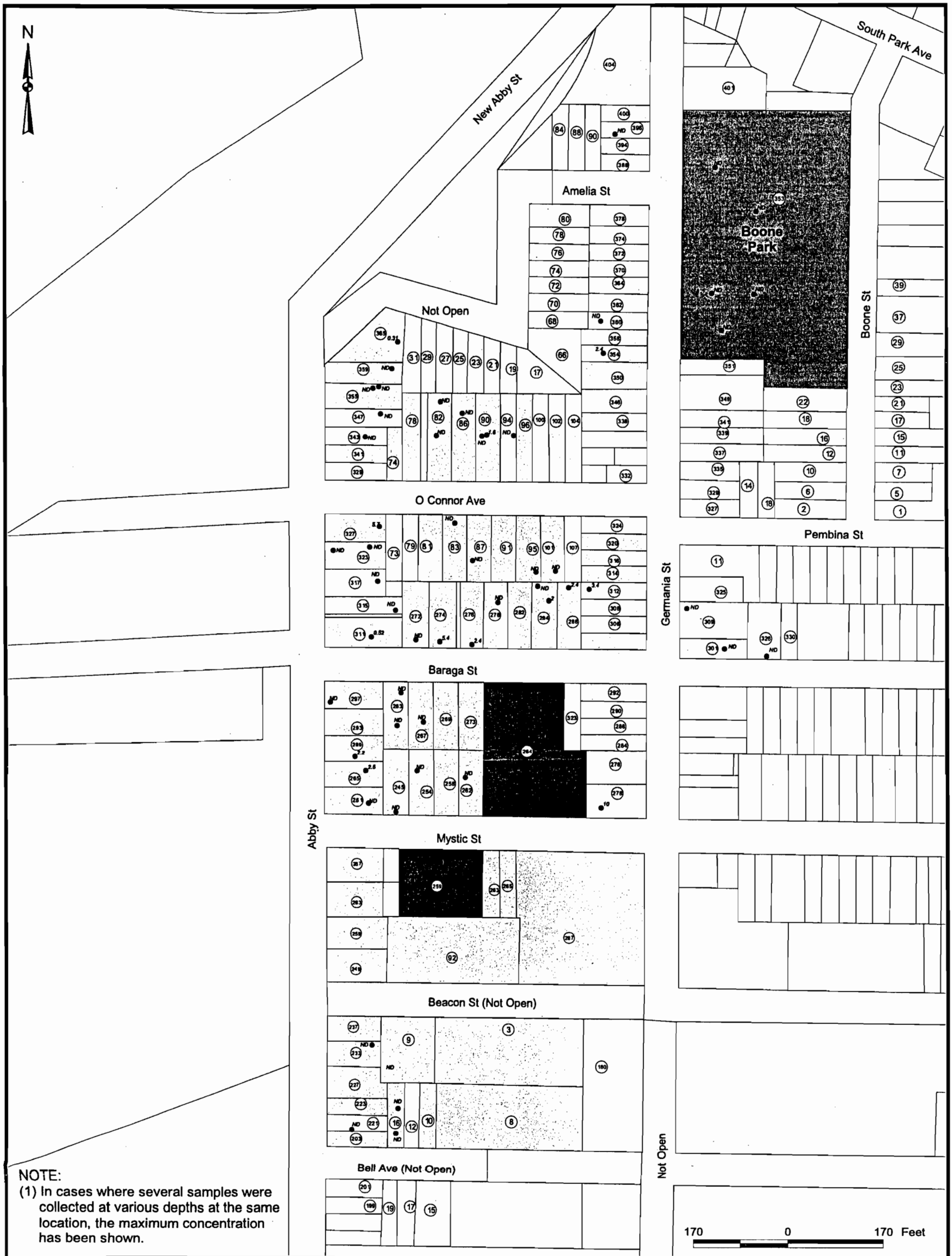
- Parcel Boundary
- Street Address
- Commercial
- Vacant(Open Lot)
- Residential
- Pre - 1989 Construction
- Post - 1989 Construction
- USEPA Sample Location (May 2000)
- URS Sample Location (June - July 1999, April 2001)
- ACRES Sample Location (Feb. - June 1999)
- 5.50 Concentration in mg/kg (ND - Not Detected)



HICKORY WOODS/BOONE PARK
SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
TOTAL CARCINOGENIC PAHs

FIGURE

J:\35912.00\GIS\WOODS2.apr CPAHS - SUBSURFACE 5/14/2002



NOTE:

(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.

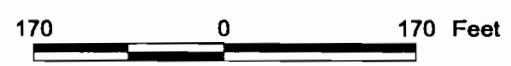
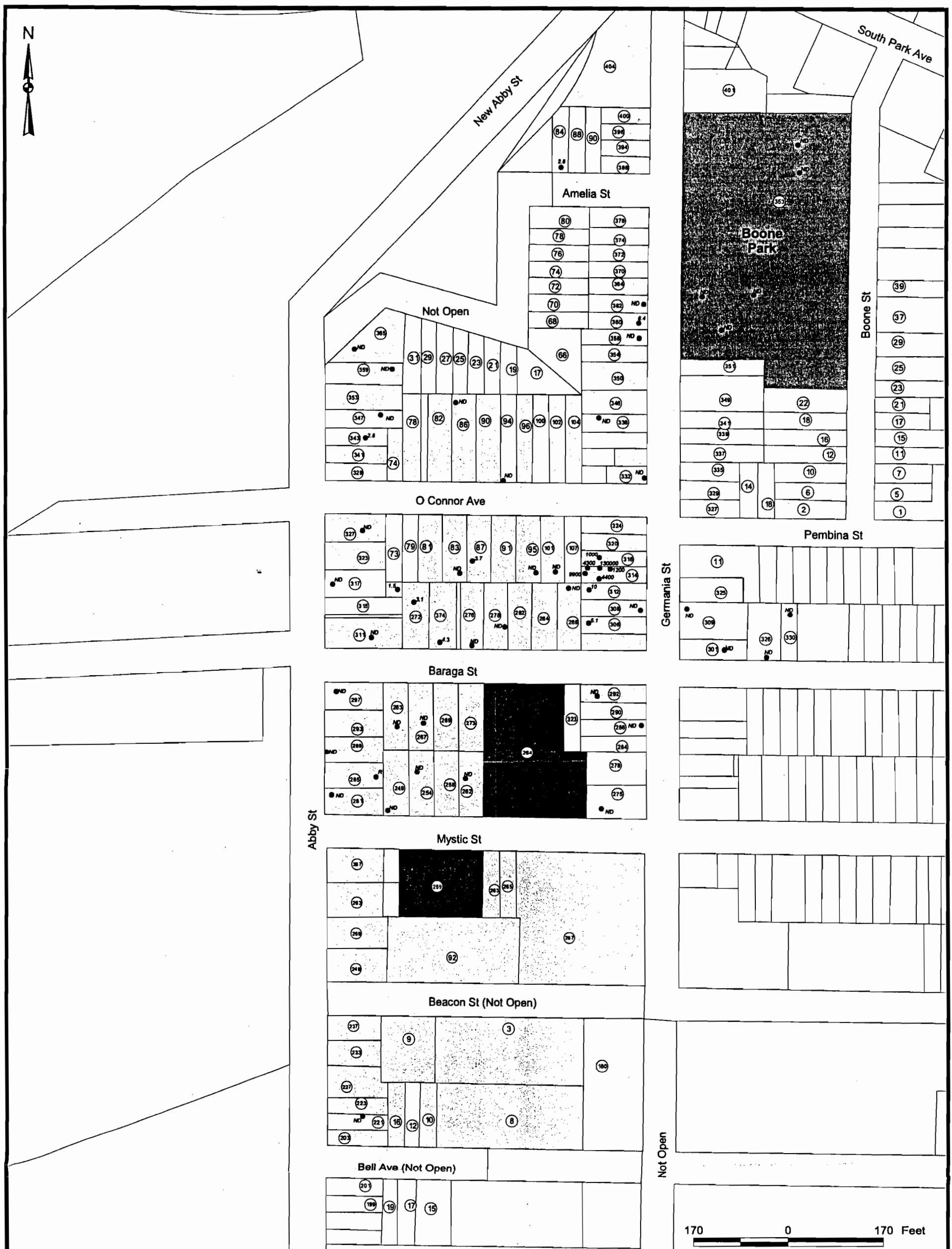


| Legend | | | |
|--------|--------------------------|-----|--|
| | Parcel Boundary | | USEPA Sample Location (May 2000) |
| | Street Address | | URS Sample Location (June - July 1999, April 2001) |
| | Commercial | | ACRES Sample Location (Feb. - June 1999) |
| | Vacant(Open Lot) | 5.4 | Concentration in ug/kg (ND - Not Detected) |
| | Residential | | |
| | Recreational | | |
| | Pre - 1989 Construction | | |
| | Post - 1989 Construction | | |



HICKORY WOODS/BOONE PARK
SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
DIELDRIN

FIGURE



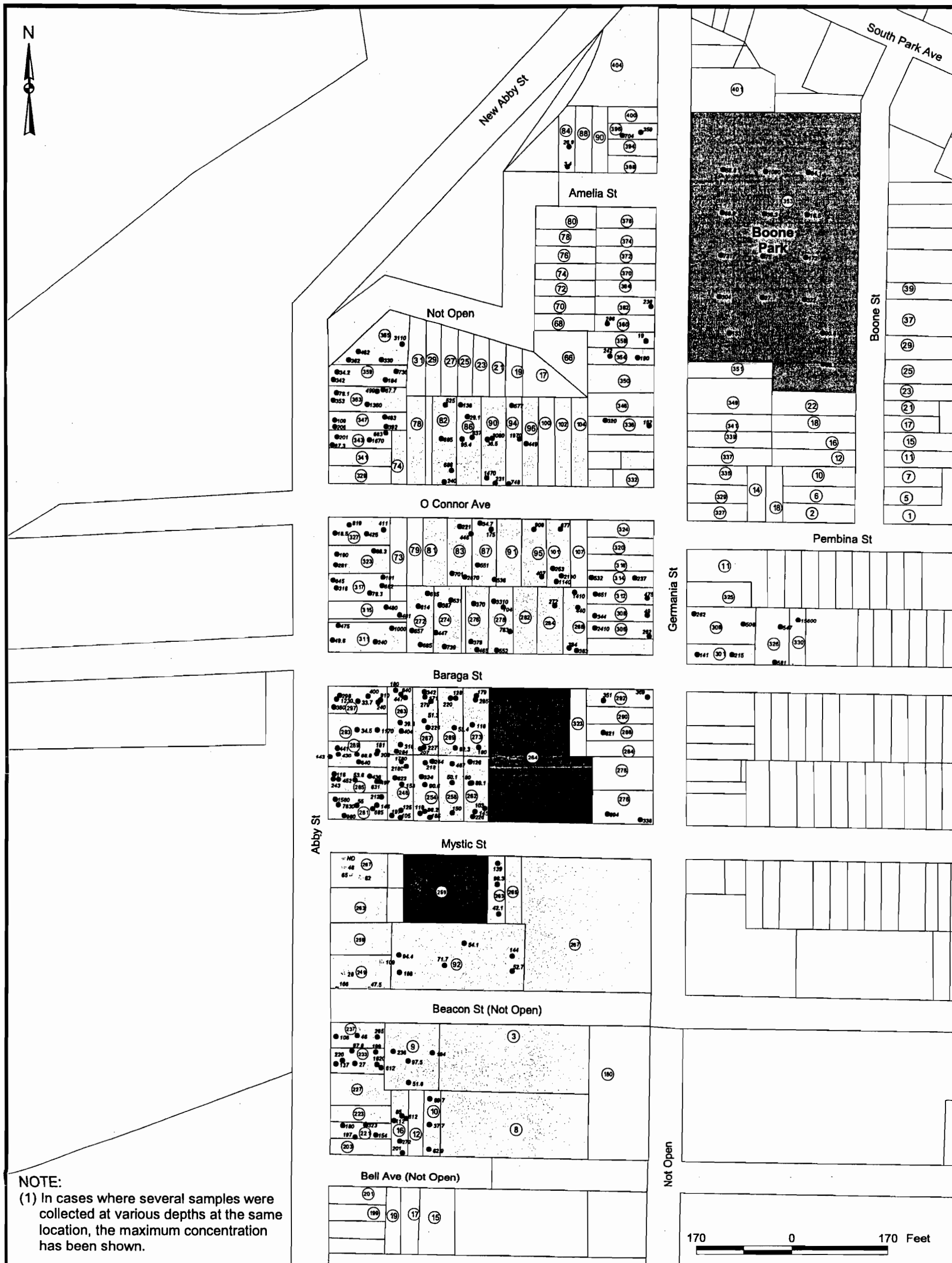
| Legend | | | | | |
|--------|------------------|--|--------------------------|--|--|
| | Parcel Boundary | | Residential | | USEPA Sample Location (May 2000, August 2001) |
| | Street Address | | Recreational | | 4.3 Concentration in ug/kg (ND - Not Detected) |
| | Commercial | | Pre - 1989 Construction | | (R - Rejected Value) |
| | Vacant(Open Lot) | | Post - 1989 Construction | | |

URS

HICKORY WOODS/BOONE PARK
SURFACE SOIL ANALYTICAL TEST RESULTS (0-2")
DIELDRIN

FIGURE

J:\95912.00\GIS\Hickory\wood2.apr DIELDRIN - SURFACE 5/14/2002



NOTE:

(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.

Legend

- | | | |
|------------------|--------------------------|--|
| Parcel Boundary | Residential | USEPA Sample Location (May 2000) |
| Street Address | Recreational | URS Sample Location (June - July 1999, April 2001) |
| Commercial | Pre - 1989 Construction | ACRES Sample Location (Feb. - June 1999) |
| Vacant(Open Lot) | Post - 1989 Construction | 199 Concentration in mg/kg (ND - Not Detected) |



URS

HICKORY WOODS/BOONE PARK
SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
LEAD

FIGURE

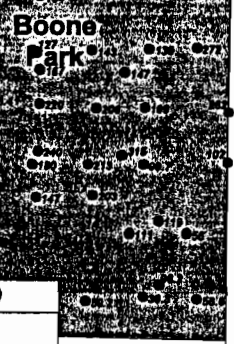


New Abby St

South Park Ave

Amelia St

Not Open



Boone Park

Boone St

O Connor Ave

Pembina St

Baraga St

Germania St

Mystic St

Beacon St (Not Open)

Bell Ave (Not Open)

Abby St

Not Open

170 0 170 Feet

Legend

- Parcel Boundary
- Street Address
- Commercial
- Vacant(Open Lot)
- Residential
- Recreational
- Pre - 1989 Construction
- Post - 1989 Construction
- USEPA Sample Location (May 2000)
- URS Sample Location (April 2001)
- 33.2 Concentration in mg/kg (ND - Not Detected)

URS

HICKORY WOODS/BOONE PARK SURFACE SOIL ANALYTICAL TEST RESULTS (0-2") LEAD

FIGURE

L:\35812_00\06\GIS\hwwoods2.apr LEAD ALL - SURFACE 5/14/2002

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS01

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106143

Level (low/med): LOW

Date Received: 4/5/01

Solids: 70

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 10.1 | | | P |
| 7439-92-1 | Lead | 97.9 | | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS02

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106146

Level (low/med): LOW

Date Received: 4/5/01

Solids: 67

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|--------------|---|---|
| 7440-38-2 | Arsenic | 9.9 | | | P |
| 7439-92-1 | Lead | 100 | E | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS03

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106147

Level (low/med): LOW

Date Received: 4/5/01

Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|--------------|---|---|
| 7440-38-2 | Arsenic | 23.4 | | | P |
| 7439-92-1 | Lead | 147 | E | | P |

5/1/01
vtr

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS04

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106148

Level (low/med): LOW

Date Received: 4/5/01

Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 32.3 | | | P |
| 7439-92-1 | Lead | 203 | | | P |

Handwritten marks: A, A

Handwritten note: 5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS05

Contract: NY01-008

Lab Code: STL BFLO Case No.: SAS No.: SDG NO.: 050601

Matrix (soil/water): SOIL Lab Sample ID: AD106149

Level (low/med): LOW Date Received: 4/5/01

Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 4.8 | | | P |
| 7439-92-1 | Lead | 111 | | | P |

5/1/01

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS06

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106150

Level (low/med): LOW

Date Received: 4/5/01

Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 6.1 | | | P |
| 7439-92-1 | Lead | 56.0 | <input checked="" type="checkbox"/> | | P |

Handwritten initials

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS07

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106151

Level (low/med): LOW

Date Received: 4/5/01

Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|--------------|---|---|
| 7440-38-2 | Arsenic | 5.0 | | | P |
| 7439-92-1 | Lead | 39.3 | F | | P |

4
4

5/10/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS08

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106152

Level (low/med): LOW

Date Received: 4/5/01

Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 5.1 | | | P |
| 7439-92-1 | Lead | 58.6 | <input checked="" type="checkbox"/> | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS09

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106153

Level (low/med): LOW

Date Received: 4/5/01

Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|--------------|---|---|
| 7440-38-2 | Arsenic | 5.9 | | | P |
| 7439-92-1 | Lead | 59.2 | E | | P |

JA

5/1/01
JW

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS10

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106154

Level (low/med): LOW

Date Received: 4/5/01

Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 17.4 | | | P |
| 7439-92-1 | Lead | 102 | <input checked="" type="checkbox"/> | | P |

5/1/01
D

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS11

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106155

Level (low/med): LOW

Date Received: 4/5/01

Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 84.1 | | | P |
| 7439-92-1 | Lead | 99.7 | <input checked="" type="checkbox"/> | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS12

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106156

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-------------------------------------|---|
| 7440-38-2 | Arsenic | 112 | | | P |
| 7439-92-1 | Lead | 213 | | <input checked="" type="checkbox"/> | P |

2/4

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS13

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106157

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 89.7 | | | P |
| 7439-92-1 | Lead | 180 | <input checked="" type="checkbox"/> | | P |

177

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS14

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106158

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 88.2 | | | P |
| 7439-92-1 | Lead | 153 | <input checked="" type="checkbox"/> | | P |

5/1/01
DRL

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS15

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106159

Level (low/med): LOW

Date Received: 4/5/01

Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 13.2 | | | P |
| 7439-92-1 | Lead | 52.0 | <input checked="" type="checkbox"/> | | P |

5/11/01
JW

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS16

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106160

Level (low/med): LOW

Date Received: 4/5/01

Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 6.9 | | | P |
| 7439-92-1 | Lead | 20.0 | | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS17

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106161

Level (low/med): LOW

Date Received: 4/5/01

Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 16.8 | | | P |
| 7439-92-1 | Lead | 53.4 | | | P |

5/1/01
m

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS18

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106162

Level (low/med): LOW

Date Received: 4/5/01

Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 76.3 | | | P |
| 7439-92-1 | Lead | 220 | <input checked="" type="checkbox"/> | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS19

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106163

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|---|---|
| 7440-38-2 | Arsenic | 86.0 | | | P |
| 7439-92-1 | Lead | 206 | <input checked="" type="checkbox"/> | | P |

AA

5/1/01
ST

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS20

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 050601

Matrix (soil/water): SOIL

Lab Sample ID: AD106164

Level (low/med): LOW

Date Received: 4/5/01

Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 44.9 | | | P |
| 7439-92-1 | Lead | 199 | | | P |

HT

5/1/01
JTL

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS21

Contract: NY01-008

Sub Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106120

Level (low/med): LOW

Date Received: 4/5/01

Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---------------|---|---|
| 7440-38-2 | Arsenic | 41.9 | NE | | P |
| 7439-92-1 | Lead | 262 | E | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS22

Contract: NY01-008

Lab Code: STL BFLO Case No.: SAS No.: SDG NO.: 040601

Matrix (soil/water): SOIL Lab Sample ID: AD106121

Level (low/med): LOW Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 126 | | NP | P |
| 7439-92-1 | Lead | 272 | | P | P |

4/7

5/1/01
JW

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U R S GREINER. INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS23

Contract: NY01-008

Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106122

Level (low/med): LOW

Date Received: 4/5/01

Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---------------|---|-----|
| 7440-38-2 | Arsenic | 32.4 | NE | | P J |
| 7439-92-1 | Lead | 139 | B | | P J |

5/1/01
JRU

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS24

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106125

Level (low/med): LOW

Date Received: 4/5/01

Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 101 | | ME | P |
| 7439-92-1 | Lead | 143 | | E | P |

44

5/1/01
m

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS25

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106126

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---------------|---|---|
| 7440-38-2 | Arsenic | 54.0 | NE | | P |
| 7439-92-1 | Lead | 127 | E | | P |

5/1/01
JN

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS26

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106127

Level (low/med): LOW

Date Received: 4/5/01

Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---------------|---|---|
| 7440-38-2 | Arsenic | 70.3 | NE | | P |
| 7439-92-1 | Lead | 227 | LE | | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS27

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106128

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-------------------------------------|---|
| 7440-38-2 | Arsenic | 13.3 | | <input checked="" type="checkbox"/> | P |
| 7439-92-1 | Lead | 232 | | <input checked="" type="checkbox"/> | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS28

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106129

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 23.1 | | NE | P |
| 7439-92-1 | Lead | 320 | | E | P |

4/4

5/1/01
vr

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS29

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106130

Level (low/med): LOW

Date Received: 4/5/01

Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---------------|---|---|
| 7440-38-2 | Arsenic | 131 | NE | | P |
| 7439-92-1 | Lead | 183 | E | | P |

*5/1/01
vr*

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS30

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106131

Level (low/med): LOW

Date Received: 4/5/01

Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 83.2 | | NE | P |
| 7439-92-1 | Lead | 164 | | E | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS31

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106132

Level (low/med): LOW

Date Received: 4/5/01

Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|-------------------------------------|-------------------------------------|---|
| 7440-38-2 | Arsenic | 79.6 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | P |
| 7439-92-1 | Lead | 173 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | P |

5/1/01
vn

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS32

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106133

Level (low/med): LOW

Date Received: 4/5/01

Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|--------------|---|
| 7440-38-2 | Arsenic | 32.4 | | Q | P |
| 7439-92-1 | Lead | 127 | | Q | P |

J
J

5/1/01
on

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS33

Contract: NY01-008

Lab Code: STL BFLO Case No.: SAS No.: SDG NO.: 040601

Matrix (soil/water): SOIL Lab Sample ID: AD106134

Level (low/med): LOW Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 38.0 | | NE | P |
| 7439-92-1 | Lead | 167 | | E | P |

5/1/01

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS34

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106135

Level (low/med): LOW

Date Received: 4/5/01

Solids: 73

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 49.4 | | NE | P |
| 7439-92-1 | Lead | 152 | | F | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS35

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106136

Level (low/med): LOW

Date Received: 4/5/01

Solids: 71

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-------------------------------------|---|
| 7440-38-2 | Arsenic | 35.3 | | <input checked="" type="checkbox"/> | P |
| 7439-92-1 | Lead | 142 | | <input checked="" type="checkbox"/> | P |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS36

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106137

Level (low/med): LOW

Date Received: 4/5/01

Solids: 72

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|-----|
| 7440-38-2 | Arsenic | 25.4 | | NE | P J |
| 7439-92-1 | Lead | 115 | | E | P J |

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS37

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106138

Level (low/med): LOW

Date Received: 4/5/01

Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---------------|---|
| 7440-38-2 | Arsenic | 45.8 | | NE | P |
| 7439-92-1 | Lead | 146 | | E | P |

5/1/01
JL

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS38

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106139

Level (low/med): LOW

Date Received: 4/5/01

Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-------------------------------------|---|
| 7440-38-2 | Arsenic | 82.1 | | <input checked="" type="checkbox"/> | P |
| 7439-92-1 | Lead | 113 | | <input checked="" type="checkbox"/> | P |

4/4

5/1/01
VZ

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS39

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106140

Level (low/med): LOW

Date Received: 4/5/01

Solids: 74

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-------------------------------------|---|
| 7440-38-2 | Arsenic | 11.8 | | <input checked="" type="checkbox"/> | P |
| 7439-92-1 | Lead | 192 | | <input checked="" type="checkbox"/> | P |

17

5/1/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS40

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): SOIL

Lab Sample ID: AD106167

Level (low/med): LOW

Date Received: 4/5/01

Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 11.9 | | | P |
| 7439-92-1 | Lead | 207 | | | P |

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

RB1

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: 040601

Matrix (soil/water): WATER

Lab Sample ID: AD106185

Level (low/med): LOW

Date Received: 4/5/01

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.0 | U | | P |
| 7439-92-1 | Lead | 2.0 | U | | P |

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS41

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106170

Level (low/med): LOW

Date Received: 4/5/01

Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 97.8 | | | P |
| 7439-92-1 | Lead | 126 | | | P |

5/14/01
m

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS42

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106171

Level (low/med): LOW

Date Received: 4/5/01

Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 37.0 | | | P |
| 7439-92-1 | Lead | 159 | ✓ | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS43

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106172

Level (low/med): LOW

Date Received: 4/5/01

Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 40.9 | | | P |
| 7439-92-1 | Lead | 58.0 | | ✓ | P |

5/14/01 vta

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS44

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106173

Level (low/med): LOW

Date Received: 4/5/01

Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 6.6 | | | P |
| 7439-92-1 | Lead | 20.6 | | | P |

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Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS45

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106174

Level (low/med): LOW

Date Received: 4/5/01

Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 70.8 | | | P |
| 7439-92-1 | Lead | 146 | | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS46

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106175

Level (low/med): LOW

Date Received: 4/5/01

Solids: 76

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 14.7 | | | P |
| 7439-92-1 | Lead | 227 | | | P |

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Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS47

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106176

Level (low/med): LOW

Date Received: 4/5/01

Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 46.8 | | | P |
| 7439-92-1 | Lead | 134 | | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS48

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106177

Level (low/med): LOW

Date Received: 4/5/01

Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 18.7 | | | P |
| 7439-92-1 | Lead | 93.4 | | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS49

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106178

Level (low/med): LOW

Date Received: 4/5/01

Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 15.0 | | | P |
| 7439-92-1 | Lead | 104 | ✓ | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS50

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106179

Level (low/med): LOW

Date Received: 4/5/01

Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 9.9 | | | P |
| 7439-92-1 | Lead | 67.8 | ✓ | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

U R S GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

BPSS5/1

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): SOIL

Lab Sample ID: AD106182

Level (low/med): LOW

Date Received: 4/5/01

Solids: 89

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 4.7 | | | P |
| 7439-92-1 | Lead | 18.6 | | | P |

5/14/01

Color Before: BROWN

Clarity Before:

Texture: MEDIUM

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

URS GREINER, INC.

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

RB2

Contract: NY01-008

Lab Code: STL BFLO

Case No.:

SAS No.:

SDG NO.: MAY05

Matrix (soil/water): WATER

Lab Sample ID: AD106186

Level (low/med): LOW

Date Received: 4/5/01

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 3.0 | U | | P |
| 7439-92-1 | Lead | 2.0 | U | | P |

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After: COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000006

Client No.

BPSS01

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 050601

Matrix: (soil/water) SOIL

Lab Sample ID: A1309301

Sample wt/vol: 30.88 (g/mL) G

Lab File ID: Z46516.RR

Level: (low/med) LOW

Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 30.4 decanted: (Y/N) N

Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| | | | |
|---------------|--------------------------|------|-----|
| 83-32-9----- | Acenaphthene | 460 | U |
| 208-96-8----- | Acenaphthylene | 460 | U |
| 120-12-7----- | Anthracene | 87 | J |
| 56-55-3----- | Benzo (a) anthracene | 550 | |
| 205-99-2----- | Benzo (b) fluoranthene | 630 | |
| 207-08-9----- | Benzo (k) fluoranthene | 260 | J J |
| 191-24-2----- | Benzo (ghi) perylene | 280 | J |
| 50-32-8----- | Benzo (a) pyrene | 520 | |
| 218-01-9----- | Chrysene | 400 | J J |
| 53-70-3----- | Dibenzo (a,h) anthracene | 120 | J |
| 206-44-0----- | Fluoranthene | 1000 | |
| 86-73-7----- | Fluorene | 460 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | 260 | J |
| 91-57-6----- | 2-Methylnaphthalene | 460 | U |
| 91-20-3----- | Naphthalene | 460 | U |
| 85-01-8----- | Phenanthrene | 500 | |
| 129-00-0----- | Pyrene | 710 | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000007

Client No.

BPSS02

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309302

Sample wt/vol: 30.23 (g/mL) G Lab File ID: Z46517.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 32.7 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 490 | | U |
| 208-96-8 | Acenaphthylene | 490 | | U |
| 120-12-7 | Anthracene | 25 | | J |
| 56-55-3 | Benzo (a) anthracene | 220 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 280 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 170 | | J |
| 191-24-2 | Benzo (ghi) perylene | 170 | | J |
| 50-32-8 | Benzo (a) pyrene | 260 | | J |
| 218-01-9 | Chrysene | 200 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 57 | | J |
| 206-44-0 | Fluoranthene | 530 | | |
| 86-73-7 | Fluorene | 490 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 150 | | J |
| 91-57-6 | 2-Methylnaphthalene | 490 | | U |
| 91-20-3 | Naphthalene | 490 | | U |
| 85-01-8 | Phenanthrene | 190 | | J |
| 129-00-0 | Pyrene | 330 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000008
Client No.

BPSS03

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309303

Sample wt/vol: 30.62 (g/mL) G Lab File ID: Z46518.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.8 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

GC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 2300 | | U |
| 208-96-8 | Acenaphthylene | 2300 | | U |
| 120-12-7 | Anthracene | 2300 | | U |
| 56-55-3 | Benzo (a) anthracene | 530 | | U |
| 205-99-2 | Benzo (b) fluoranthene | 780 | | U |
| 207-08-9 | Benzo (k) fluoranthene | 500 | | U |
| 191-24-2 | Benzo (ghi) perylene | 500 | | U |
| 50-32-8 | Benzo (a) pyrene | 750 | | U |
| 218-01-9 | Chrysene | 620 | | U |
| 53-70-3 | Dibenzo (a, h) anthracene | 130 | | U |
| 206-44-0 | Fluoranthene | 1500 | | U |
| 86-73-7 | Fluorene | 2300 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 430 | | U |
| 91-57-6 | 2-Methylnaphthalene | 2300 | | U |
| 91-20-3 | Naphthalene | 2300 | | U |
| 85-01-8 | Phenanthrene | 580 | | U |
| 129-00-0 | Pyrene | 900 | | U |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000009

Client No.

BPSS04

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309304

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z46519.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.3 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | 450 | | U |
| 208-96-8----- | Acenaphthylene | 30 | | J |
| 120-12-7----- | Anthracene | 100 | | J |
| 56-55-3----- | Benzo (a) anthracene | 710 | | |
| 205-99-2----- | Benzo (b) fluoranthene | 1000 | | |
| 207-08-9----- | Benzo (k) fluoranthene | 480 | | J |
| 191-24-2----- | Benzo (ghi) perylene | 400 | | J |
| 50-32-8----- | Benzo (a) pyrene | 840 | | J |
| 218-01-9----- | Chrysene | 820 | | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | 210 | | J |
| 206-44-0----- | Fluoranthene | 1700 | | |
| 86-73-7----- | Fluorene | 26 | | J |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 390 | | J |
| 91-57-6----- | 2-Methylnaphthalene | 58 | | J |
| 91-20-3----- | Naphthalene | 60 | | J |
| 85-01-8----- | Phenanthrene | 690 | | |
| 129-00-0----- | Pyrene | 1200 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000010

Client No.

BPSS05

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309305

Sample wt/vol: 30.16 (g/mL) G Lab File ID: Z46520.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 15.1 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 390 | | U |
| 208-96-8 | Acenaphthylene | 390 | | U |
| 120-12-7 | Anthracene | 71 | | J |
| 56-55-3 | Benzo (a) anthracene | 360 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 350 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 170 | | J |
| 191-24-2 | Benzo (ghi) perylene | 150 | | J |
| 50-32-8 | Benzo (a) pyrene | 310 | | J |
| 218-01-9 | Chrysene | 250 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 64 | | J |
| 206-44-0 | Fluoranthene | 800 | | |
| 86-73-7 | Fluorene | 390 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 150 | | J |
| 91-57-6 | 2-Methylnaphthalene | 390 | | U |
| 91-20-3 | Naphthalene | 390 | | U |
| 85-01-8 | Phenanthrene | 490 | | |
| 129-00-0 | Pyrene | 570 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000011

Client No.

BPSS06

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309306

Sample wt/vol: 30.69 (g/mL) G Lab File ID: Z46521.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 23.2 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|-----|
| 83-32-9----- | Acenaphthene | 420 | | U |
| 208-96-8----- | Acenaphthylene | 420 | | U |
| 120-12-7----- | Anthracene | 66 | | J |
| 56-55-3----- | Benzo (a) anthracene | 550 | | |
| 205-99-2----- | Benzo (b) fluoranthene | 1300 | | |
| 207-08-9----- | Benzo (k) fluoranthene | 420 | | U J |
| 191-24-2----- | Benzo (ghi) perylene | 360 | | J |
| 50-32-8----- | Benzo (a) pyrene | 710 | | |
| 218-01-9----- | Chrysene | 520 | | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | 170 | | J |
| 206-44-0----- | Fluoranthene | 1400 | | |
| 86-73-7----- | Fluorene | 420 | | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 370 | | J |
| 91-57-6----- | 2-Methylnaphthalene | 420 | | U |
| 91-20-3----- | Naphthalene | 420 | | U |
| 85-01-8----- | Phenanthrene | 550 | | |
| 129-00-0----- | Pyrene | 1000 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000012

Client No.

BPSS07

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309307

Sample wt/vol: 30.63 (g/mL) G Lab File ID: Z46524.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 21.8 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 43 | J |
| 208-96-8 | Acenaphthylene | | 410 | U |
| 120-12-7 | Anthracene | | 180 | U |
| 56-55-3 | Benzo (a) anthracene | | 380 | U |
| 205-99-2 | Benzo (b) fluoranthene | | 370 | U |
| 207-08-9 | Benzo (k) fluoranthene | | 200 | U |
| 191-24-2 | Benzo (ghi) perylene | | 110 | U |
| 50-32-8 | Benzo (a) pyrene | | 340 | U |
| 218-01-9 | Chrysene | | 320 | U |
| 53-70-3 | Dibenzo (a, h) anthracene | | 57 | U |
| 206-44-0 | Fluoranthene | | 880 | U |
| 86-73-7 | Fluorene | | 78 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 120 | U |
| 91-57-6 | 2-Methylnaphthalene | | 410 | U |
| 91-20-3 | Naphthalene | | 410 | U |
| 85-01-8 | Phenanthrene | | 920 | U |
| 129-00-0 | Pyrene | | 580 | U |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000013
Client No.

BPSS08

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309308

Sample wt/vol: 30.54 (g/mL) G Lab File ID: Z46525.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 21.6 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | | 28 | J |
| 208-96-8 | Acenaphthylene | | 410 | U |
| 120-12-7 | Anthracene | | 110 | J |
| 56-55-3 | Benzo (a) anthracene | | 270 | J |
| 205-99-2 | Benzo (b) fluoranthene | | 490 | |
| 207-08-9 | Benzo (k) fluoranthene | | 410 | U 5 |
| 191-24-2 | Benzo (ghi) perylene | | 86 | J |
| 50-32-8 | Benzo (a) pyrene | | 270 | J |
| 218-01-9 | Chrysene | | 250 | J |
| 53-70-3 | Dibenzo (a, h) anthracene | | 42 | J |
| 206-44-0 | Fluoranthene | | 810 | |
| 86-73-7 | Fluorene | | 46 | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 96 | J |
| 91-57-6 | 2-Methylnaphthalene | | 410 | U |
| 91-20-3 | Naphthalene | | 27 | J |
| 85-01-8 | Phenanthrene | | 700 | |
| 129-00-0 | Pyrene | | 440 | |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000014
Client No.

BPSS09

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309309

Sample wt/vol: 30.16 (g/mL) G Lab File ID: Z46526.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 22.1 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | UG/KG | Q |
|----------|----------------------------|-------|---|
| 83-32-9 | Acenaphthene | 420 | U |
| 208-96-8 | Acenaphthylene | 420 | U |
| 120-12-7 | Anthracene | 25 | J |
| 56-55-3 | Benzo (a) anthracene | 190 | J |
| 205-99-2 | Benzo (b) fluoranthene | 200 | J |
| 207-08-9 | Benzo (k) fluoranthene | 150 | J |
| 191-24-2 | Benzo (ghi) perylene | 62 | J |
| 50-32-8 | Benzo (a) pyrene | 190 | J |
| 218-01-9 | Chrysene | 160 | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 26 | J |
| 206-44-0 | Fluoranthene | 410 | J |
| 86-73-7 | Fluorene | 420 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 66 | J |
| 91-57-6 | 2-Methylnaphthalene | 420 | U |
| 91-20-3 | Naphthalene | 420 | U |
| 85-01-8 | Phenanthrene | 230 | J |
| 129-00-0 | Pyrene | 280 | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000015

Client No.

BPSS10

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309310

Sample wt/vol: 30.36 (g/mL) G Lab File ID: Z46527.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.9 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/09/2001

Injection Volume: 2.00 (uL) Dilution Factor: 5.00

PC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | 2300 | | U |
| 208-96-8 | Acenaphthylene | 2300 | | U |
| 120-12-7 | Anthracene | 300 | | J |
| 56-55-3 | Benzo (a) anthracene | 1600 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 3000 | | |
| 207-08-9 | Benzo (k) fluoranthene | 2300 | | U J |
| 191-24-2 | Benzo (ghi) perylene | 520 | | J |
| 50-32-8 | Benzo (a) pyrene | 1600 | | J |
| 218-01-9 | Chrysene | 1500 | | J J |
| 53-70-3 | Dibenzo (a, h) anthracene | 260 | | J |
| 206-44-0 | Fluoranthene | 3900 | | |
| 86-73-7 | Fluorene | 2300 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 570 | | J |
| 91-57-6 | 2-Methylnaphthalene | 2300 | | U |
| 91-20-3 | Naphthalene | 2300 | | U |
| 85-01-8 | Phenanthrene | 2100 | | J |
| 129-00-0 | Pyrene | 2400 | | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000016

Client No.

BPSS11

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309311

Sample wt/vol: 30.90 (g/mL) G Lab File ID: Z46536.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 17.2 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 26 | J |
| 208-96-8 | Acenaphthylene | | 390 | J |
| 120-12-7 | Anthracene | | 75 | J |
| 56-55-3 | Benzo (a) anthracene | | 580 | |
| 205-99-2 | Benzo (b) fluoranthene | | 1200 | |
| 207-08-9 | Benzo (k) fluoranthene | | 390 | J |
| 191-24-2 | Benzo (ghi) perylene | | 210 | J |
| 50-32-8 | Benzo (a) pyrene | | 520 | |
| 218-01-9 | Chrysene | | 710 | |
| 53-70-3 | Dibenzo (a, h) anthracene | | 100 | J |
| 206-44-0 | Fluoranthene | | 650 | J |
| 86-73-7 | Fluorene | | 21 | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 260 | J |
| 91-57-6 | 2-Methylnaphthalene | | 25 | J |
| 91-20-3 | Naphthalene | | 33 | J |
| 85-01-8 | Phenanthrene | | 390 | |
| 129-00-0 | Pyrene | | 750 | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000017

Client No.

BPSS12

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309312

Sample wt/vol: 30.78 (g/mL) G Lab File ID: Z46537.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 27.2 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 45 | | J |
| 208-96-8 | Acenaphthylene | 42 | | J |
| 120-12-7 | Anthracene | 160 | | J |
| 56-55-3 | Benzo (a) anthracene | 930 | | |
| 205-99-2 | Benzo (b) fluoranthene | 1100 | | |
| 207-08-9 | Benzo (k) fluoranthene | 440 | | J |
| 191-24-2 | Benzo (ghi) perylene | 270 | | J |
| 50-32-8 | Benzo (a) pyrene | 790 | | |
| 218-01-9 | Chrysene | 840 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 140 | | J |
| 206-44-0 | Fluoranthene | 1100 | | J |
| 86-73-7 | Fluorene | 44 | | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 360 | | J |
| 91-57-6 | 2-Methylnaphthalene | 44 | | J |
| 91-20-3 | Naphthalene | 53 | | J |
| 85-01-8 | Phenanthrene | 580 | | |
| 129-00-0 | Pyrene | 1000 | | |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000018

Client No.

BPSS13

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309313

Sample wt/vol: 30.11 (g/mL) G Lab File ID: Z46538.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.8 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

C Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | 450 | | U |
| 208-96-8 | Acenaphthylene | 29 | | J |
| 120-12-7 | Anthracene | 91 | | J |
| 56-55-3 | Benzo (a) anthracene | 720 | | |
| 205-99-2 | Benzo (b) fluoranthene | 1300 | | |
| 207-08-9 | Benzo (k) fluoranthene | 450 | | U J |
| 191-24-2 | Benzo (ghi) perylene | 240 | | J |
| 50-32-8 | Benzo (a) pyrene | 610 | | |
| 218-01-9 | Chrysene | 830 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 120 | | J |
| 206-44-0 | Fluoranthene | 920 | | J |
| 86-73-7 | Fluorene | 450 | | J |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 300 | | J |
| 91-57-6 | 2-Methylnaphthalene | 61 | | J |
| 91-20-3 | Naphthalene | 67 | | J |
| 85-01-8 | Phenanthrene | 450 | | |
| 129-00-0 | Pyrene | 910 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000019

Client No.

BPSS14

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309314

Sample wt/vol: 30.14 (g/mL) G Lab File ID: Z46539.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.7 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 33 | | J |
| 208-96-8 | Acenaphthylene | 450 | | U |
| 120-12-7 | Anthracene | 110 | | J |
| 56-55-3 | Benzo (a) anthracene | 590 | | |
| 205-99-2 | Benzo (b) fluoranthene | 560 | | |
| 207-08-9 | Benzo (k) fluoranthene | 360 | | J |
| 191-24-2 | Benzo (ghi) perylene | 170 | | J |
| 50-32-8 | Benzo (a) pyrene | 460 | | |
| 218-01-9 | Chrysene | 660 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 81 | | J |
| 206-44-0 | Fluoranthene | 810 | | J |
| 86-73-7 | Fluorene | 35 | | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 210 | | J |
| 91-57-6 | 2-Methylnaphthalene | 31 | | J |
| 91-20-3 | Naphthalene | 36 | | J |
| 85-01-8 | Phenanthrene | 450 | | |
| 129-00-0 | Pyrene | 800 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000020

Client No.

BPSS15

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309315

Sample wt/vol: 30.91 (g/mL) G Lab File ID: Z46540.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 18.4 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

QC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | 390 | | U |
| 208-96-8 | Acenaphthylene | 390 | | U |
| 120-12-7 | Anthracene | 390 | | U |
| 56-55-3 | Benzo (a) anthracene | 100 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 110 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 79 | | J J |
| 191-24-2 | Benzo (ghi) perylene | 32 | | J |
| 50-32-8 | Benzo (a) pyrene | 90 | | J |
| 218-01-9 | Chrysene | 100 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 390 | | U |
| 206-44-0 | Fluoranthene | 130 | | J J |
| 86-73-7 | Fluorene | 390 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 40 | | J |
| 91-57-6 | 2-Methylnaphthalene | 390 | | U |
| 91-20-3 | Naphthalene | 390 | | U |
| 85-01-8 | Phenanthrene | 96 | | J |
| 129-00-0 | Pyrene | 110 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000021

Client No.

BPSS16

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309316

Sample wt/vol: 30.89 (g/mL) G Lab File ID: Y46879.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 12.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 370 | | U |
| 208-96-8 | Acenaphthylene | 370 | | U |
| 120-12-7 | Anthracene | 370 | | U |
| 56-55-3 | Benzo (a) anthracene | 66 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 61 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 43 | | J |
| 191-24-2 | Benzo (ghi) perylene | 46 | | J |
| 50-32-8 | Benzo (a) pyrene | 56 | | J |
| 218-01-9 | Chrysene | 60 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 370 | | U |
| 206-44-0 | Fluoranthene | 120 | | J |
| 86-73-7 | Fluorene | 370 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 33 | | J |
| 91-57-6 | 2-Methylnaphthalene | 370 | | U |
| 91-20-3 | Naphthalene | 370 | | U |
| 85-01-8 | Phenanthrene | 91 | | J |
| 129-00-0 | Pyrene | 110 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000022
Client No.

BPSS17

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601
 Matrix: (soil/water) SOIL Lab Sample ID: A1309317
 Sample wt/vol: 30.41 (g/mL) G Lab File ID: Z46542.RR
 Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001
 Moisture: 11.6 decanted: (Y/N) N Date Extracted: 04/06/2001
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001
 Injection Volume: 2.00 (uL) Dilution Factor: 1.00
 Cleanup: (Y/N) Y pH: 8.1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | UG/KG | Q |
|----------|----------------------------|-------|---|
| 83-32-9 | Acenaphthene | 370 | U |
| 208-96-8 | Acenaphthylene | 370 | U |
| 120-12-7 | Anthracene | 370 | U |
| 56-55-3 | Benzo (a) anthracene | 110 | J |
| 205-99-2 | Benzo (b) fluoranthene | 120 | J |
| 207-08-9 | Benzo (k) fluoranthene | 84 | J |
| 191-24-2 | Benzo (ghi) perylene | 36 | J |
| 50-32-8 | Benzo (a) pyrene | 100 | J |
| 218-01-9 | Chrysene | 100 | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 370 | U |
| 206-44-0 | Fluoranthene | 150 | J |
| 86-73-7 | Fluorene | 370 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 45 | J |
| 91-57-6 | 2-Methylnaphthalene | 370 | U |
| 91-20-3 | Naphthalene | 370 | U |
| 85-01-8 | Phenanthrene | 73 | J |
| 129-00-0 | Pyrene | 120 | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000024

Client No.

BPSS19

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601
 Matrix: (soil/water) SOIL Lab Sample ID: A1309319
 Sample wt/vol: 30.04 (g/mL) G Lab File ID: Z46615.RR
 Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001
 Moisture: 26.7 decanted: (Y/N) N Date Extracted: 04/11/2001
 Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001
 Injection Volume: 2.00 (uL) Dilution Factor: 1.00
 Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | 450 | | U |
| 208-96-8----- | Acenaphthylene | 450 | | U |
| 120-12-7----- | Anthracene | 84 | | J |
| 56-55-3----- | Benzo (a) anthracene | 820 | | |
| 205-99-2----- | Benzo (b) fluoranthene | 1100 | | |
| 207-08-9----- | Benzo (k) fluoranthene | 540 | | |
| 191-24-2----- | Benzo (ghi) perylene | 440 | | J |
| 50-32-8----- | Benzo (a) pyrene | 760 | | |
| 218-01-9----- | Chrysene | 1200 | | |
| 53-70-3----- | Dibenzo (a, h) anthracene | 220 | | J |
| 206-44-0----- | Fluoranthene | 1300 | | |
| 86-73-7----- | Fluorene | 450 | | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 480 | | |
| 91-57-6----- | 2-Methylnaphthalene | 55 | | J |
| 91-20-3----- | Naphthalene | 63 | | J |
| 85-01-8----- | Phenanthrene | 490 | | |
| 129-00-0----- | Pyrene | 950 | | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000025

Client No.

BPSS20

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 050601

Matrix: (soil/water) SOIL Lab Sample ID: A1309320

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Z46545.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.8 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: 7.3

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 460 | | U |
| 208-96-8 | Acenaphthylene | 460 | | U |
| 120-12-7 | Anthracene | 52 | | J |
| 56-55-3 | Benzo (a) anthracene | 390 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 560 | | |
| 207-08-9 | Benzo (k) fluoranthene | 250 | | J |
| 191-24-2 | Benzo (ghi) perylene | 120 | | J |
| 50-32-8 | Benzo (a) pyrene | 370 | | J |
| 218-01-9 | Chrysene | 450 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 50 | | J |
| 206-44-0 | Fluoranthene | 440 | | J |
| 86-73-7 | Fluorene | 460 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 150 | | J |
| 91-57-6 | 2-Methylnaphthalene | 460 | | U |
| 91-20-3 | Naphthalene | 24 | | J |
| 85-01-8 | Phenanthrene | 300 | | J |
| 129-00-0 | Pyrene | 470 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000096

Client No.

BPSS21

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309501

Sample wt/vol: 30.38 (g/mL) G Lab File ID: Z46616.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 27.6 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 450 | | U |
| 208-96-8 | Acenaphthylene | 32 | | J |
| 120-12-7 | Anthracene | 100 | | J |
| 56-55-3 | Benzo (a) anthracene | 600 | | |
| 205-99-2 | Benzo (b) fluoranthene | 640 | | |
| 207-08-9 | Benzo (k) fluoranthene | 500 | | |
| 191-24-2 | Benzo (ghi) perylene | 240 | | J |
| 50-32-8 | Benzo (a) pyrene | 550 | | |
| 218-01-9 | Chrysene | 720 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 140 | | J |
| 206-44-0 | Fluoranthene | 1300 | | |
| 86-73-7 | Fluorene | 26 | | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 290 | | J |
| 91-57-6 | 2-Methylnaphthalene | 27 | | J |
| 91-20-3 | Naphthalene | 33 | | J |
| 85-01-8 | Phenanthrene | 690 | | |
| 129-00-0 | Pyrene | 1000 | | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000007

Client No.

BPSS22

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309502

Sample wt/vol: 30.09 (g/mL) G Lab File ID: Y46882.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 27.3 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|----|
| 83-32-9 | Acenaphthene | 450 | | U |
| 208-96-8 | Acenaphthylene | 450 | | U |
| 120-12-7 | Anthracene | 72 | | J |
| 56-55-3 | Benzo (a) anthracene | 430 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 850 | | |
| 207-08-9 | Benzo (k) fluoranthene | 450 | | UJ |
| 191-24-2 | Benzo (ghi) perylene | 330 | | J |
| 50-32-8 | Benzo (a) pyrene | 530 | | |
| 218-01-9 | Chrysene | 410 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 120 | | J |
| 206-44-0 | Fluoranthene | 660 | | |
| 86-73-7 | Fluorene | 450 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 300 | | J |
| 91-57-6 | 2-Methylnaphthalene | 450 | | U |
| 91-20-3 | Naphthalene | 25 | | J |
| 85-01-8 | Phenanthrene | 400 | | J |
| 129-00-0 | Pyrene | 620 | | |

D/S 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000008

Client No.

BPSS23

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309503

Sample wt/vol: 30.78 (g/mL) G Lab File ID: Y46885.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 25.1 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|--------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 430 | | U |
| 208-96-8 | Acenaphthylene | 430 | | U |
| 120-12-7 | Anthracene | 33 | | J |
| 56-55-3 | Benzo (a) anthracene | 210 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 240 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 130 | | J |
| 191-24-2 | Benzo (ghi) perylene | 130 | | J |
| 50-32-8 | Benzo (a) pyrene | 240 | | J |
| 218-01-9 | Chrysene | 260 | | J |
| 53-70-3 | Dibenzo (a,h) anthracene | 44 | | J |
| 206-44-0 | Fluoranthene | 340 | | J |
| 86-73-7 | Fluorene | 430 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 120 | | J |
| 91-57-6 | 2-Methylnaphthalene | 430 | | U |
| 91-20-3 | Naphthalene | 430 | | U |
| 85-01-8 | Phenanthrene | 210 | | J |
| 129-00-0 | Pyrene | 370 | | J |

OK 5/1/01

EPA OLM04.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000009

Client No.

BPSS24

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309504

Sample wt/vol: 30.10 (g/mL) G Lab File ID: Y46886.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 25.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|--------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 440 | U |
| 208-96-8 | Acenaphthylene | | 440 | U |
| 120-12-7 | Anthracene | | 25 | J |
| 56-55-3 | Benzo (a) anthracene | | 190 | J |
| 205-99-2 | Benzo (b) fluoranthene | | 280 | J |
| 207-08-9 | Benzo (k) fluoranthene | | 110 | J |
| 191-24-2 | Benzo (ghi) perylene | | 130 | J |
| 50-32-8 | Benzo (a) pyrene | | 210 | J |
| 218-01-9 | Chrysene | | 230 | J |
| 53-70-3 | Dibenzo (a,h) anthracene | | 46 | J |
| 206-44-0 | Fluoranthene | | 340 | J |
| 86-73-7 | Fluorene | | 440 | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | | 110 | J |
| 91-57-6 | 2-Methylnaphthalene | | 440 | U |
| 91-20-3 | Naphthalene | | 27 | J |
| 85-01-8 | Phenanthrene | | 190 | J |
| 129-00-0 | Pyrene | | 310 | J |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000010
Client No.

BPSS25

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309506

Sample wt/vol: 30.31 (g/mL) G Lab File ID: Y46887.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 27.0 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

QC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 450 | | U |
| 208-96-8 | Acenaphthylene | 450 | | U |
| 120-12-7 | Anthracene | 51 | | J |
| 56-55-3 | Benzo (a) anthracene | 280 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 330 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 190 | | J |
| 191-24-2 | Benzo (ghi) perylene | 140 | | J |
| 50-32-8 | Benzo (a) pyrene | 290 | | J |
| 218-01-9 | Chrysene | 280 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 52 | | J |
| 206-44-0 | Fluoranthene | 440 | | J |
| 86-73-7 | Fluorene | 450 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 130 | | J |
| 91-57-6 | 2-Methylnaphthalene | 450 | | U |
| 91-20-3 | Naphthalene | 450 | | U |
| 85-01-8 | Phenanthrene | 260 | | J |
| 129-00-0 | Pyrene | 410 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000011
Client No.

BPSS26

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309507

Sample wt/vol: 30.52 (g/mL) G Lab File ID: Z46553.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 25.6 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 440 | | U |
| 208-96-8 | Acenaphthylene | 440 | | U |
| 120-12-7 | Anthracene | 64 | | J |
| 56-55-3 | Benzo (a) anthracene | 440 | | |
| 205-99-2 | Benzo (b) fluoranthene | 660 | | |
| 207-08-9 | Benzo (k) fluoranthene | 260 | | J |
| 191-24-2 | Benzo (ghi) perylene | 140 | | J |
| 50-32-8 | Benzo (a) pyrene | 440 | | |
| 218-01-9 | Chrysene | 510 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 60 | | |
| 206-44-0 | Fluoranthene | 460 | | |
| 86-73-7 | Fluorene | 440 | | |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 170 | | |
| 91-57-6 | 2-Methylnaphthalene | 25 | | |
| 91-20-3 | Naphthalene | 30 | | |
| 85-01-8 | Phenanthrene | 310 | | |
| 129-00-0 | Pyrene | 600 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000012

Client No.

BPSS27

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL

Lab Sample ID: A1309508

Sample wt/vol: 30.11 (g/mL) G

Lab File ID: Y46888.RR

Level: (low/med) LOW

Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.6 decanted: (Y/N) N

Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | 450 | | U |
| 208-96-8 | Acenaphthylene | 450 | | U |
| 120-12-7 | Anthracene | 97 | | J |
| 56-55-3 | Benzo (a) anthracene | 500 | | |
| 205-99-2 | Benzo (b) fluoranthene | 810 | | |
| 207-08-9 | Benzo (k) fluoranthene | 290 | | J J |
| 191-24-2 | Benzo (ghi) perylene | 240 | | J |
| 50-32-8 | Benzo (a) pyrene | 600 | | |
| 218-01-9 | Chrysene | 610 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 100 | | J |
| 206-44-0 | Fluoranthene | 840 | | |
| 86-73-7 | Fluorene | 450 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 230 | | J |
| 91-57-6 | 2-Methylnaphthalene | 44 | | J |
| 91-20-3 | Naphthalene | 64 | | J |
| 85-01-8 | Phenanthrene | 560 | | |
| 129-00-0 | Pyrene | 700 | | |

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EPA OLM04.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000013

Client No.

BPSS28

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309509

Sample wt/vol: 30.47 (g/mL) G Lab File ID: Z46559.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

% Moisture: 26.9 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/11/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 440 | | U |
| 208-96-8 | Acenaphthylene | 440 | | U |
| 120-12-7 | Anthracene | 77 | | J |
| 56-55-3 | Benzo (a) anthracene | 560 | | |
| 205-99-2 | Benzo (b) fluoranthene | 600 | | |
| 207-08-9 | Benzo (k) fluoranthene | 470 | | |
| 191-24-2 | Benzo (ghi) perylene | 220 | | J |
| 50-32-8 | Benzo (a) pyrene | 580 | | |
| 218-01-9 | Chrysene | 530 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 110 | | J |
| 206-44-0 | Fluoranthene | 740 | | |
| 86-73-7 | Fluorene | 440 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 290 | | J |
| 91-57-6 | 2-Methylnaphthalene | 48 | | J |
| 91-20-3 | Naphthalene | 57 | | J |
| 85-01-8 | Phenanthrene | 440 | | |
| 129-00-0 | Pyrene | 640 | | |

Q/L 5/11/01

EPA OLMD4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000014

Client No.

BPSS29

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309510

Sample wt/vol: 30.81 (g/mL) G Lab File ID: Y46889.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 25.0 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 430 | | U |
| 208-96-8 | Acenaphthylene | 430 | | U |
| 120-12-7 | Anthracene | 40 | | J |
| 56-55-3 | Benzo (a) anthracene | 340 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 500 | | |
| 207-08-9 | Benzo (k) fluoranthene | 280 | | J |
| 191-24-2 | Benzo (ghi) perylene | 170 | | J |
| 50-32-8 | Benzo (a) pyrene | 420 | | J |
| 218-01-9 | Chrysene | 390 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 73 | | J |
| 206-44-0 | Fluoranthene | 600 | | |
| 86-73-7 | Fluorene | 430 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 160 | | J |
| 91-57-6 | 2-Methylnaphthalene | 430 | | U |
| 91-20-3 | Naphthalene | 27 | | J |
| 85-01-8 | Phenanthrene | 300 | | J |
| 129-00-0 | Pyrene | 510 | | |

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EPA OLM04.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000015

Client No.

BPSS30

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309511

Sample wt/vol: 30.36 (g/mL) G Lab File ID: Y46890.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 23.9 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 430 | U |
| 208-96-8 | Acenaphthylene | | 430 | U |
| 120-12-7 | Anthracene | | 74 | J |
| 56-55-3 | Benzo (a) anthracene | | 480 | |
| 205-99-2 | Benzo (b) fluoranthene | | 640 | |
| 207-08-9 | Benzo (k) fluoranthene | | 400 | J |
| 191-24-2 | Benzo (ghi) perylene | | 200 | J |
| 50-32-8 | Benzo (a) pyrene | | 540 | |
| 218-01-9 | Chrysene | | 580 | |
| 53-70-3 | Dibenzo (a, h) anthracene | | 87 | J |
| 206-44-0 | Fluoranthene | | 840 | |
| 86-73-7 | Fluorene | | 430 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 200 | J |
| 91-57-6 | 2-Methylnaphthalene | | 34 | J |
| 91-20-3 | Naphthalene | | 39 | J |
| 85-01-8 | Phenanthrene | | 440 | |
| 129-00-0 | Pyrene | | 690 | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000016
Client No.

BPSS31

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309512

Sample wt/vol: 30.86 (g/mL) G Lab File ID: Z46617.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.4 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 23 | J |
| 208-96-8 | Acenaphthylene | | 26 | J |
| 120-12-7 | Anthracene | | 110 | J |
| 56-55-3 | Benzo(a)anthracene | | 610 | |
| 205-99-2 | Benzo(b)fluoranthene | | 640 | |
| 207-08-9 | Benzo(k)fluoranthene | | 370 | J |
| 191-24-2 | Benzo(ghi)perylene | | 210 | J |
| 50-32-8 | Benzo(a)pyrene | | 540 | |
| 218-01-9 | Chrysene | | 780 | |
| 53-70-3 | Dibenzo(a,h)anthracene | | 120 | J |
| 206-44-0 | Fluoranthene | | 1100 | |
| 86-73-7 | Fluorene | | 440 | U |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | | 250 | J |
| 91-57-6 | 2-Methylnaphthalene | | 38 | J |
| 91-20-3 | Naphthalene | | 46 | J |
| 85-01-8 | Phenanthrene | | 480 | |
| 129-00-0 | Pyrene | | 770 | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000017
Client No.

BPSS32

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL

Lab Sample ID: A1309513

Sample wt/vol: 30.22 (g/mL) G

Lab File ID: Z46618.RR

Level: (low/med) LOW

Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.2 decanted: (Y/N) N

Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL)

Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL)

Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 460 | | U |
| 208-96-8 | Acenaphthylene | 460 | | U |
| 120-12-7 | Anthracene | 79 | | J |
| 56-55-3 | Benzo (a) anthracene | 290 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 320 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 260 | | J |
| 191-24-2 | Benzo (ghi) perylene | 140 | | J |
| 50-32-8 | Benzo (a) pyrene | 320 | | J |
| 218-01-9 | Chrysene | 370 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 68 | | J |
| 206-44-0 | Fluoranthene | 770 | | |
| 86-73-7 | Fluorene | 460 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 150 | | J |
| 91-57-6 | 2-Methylnaphthalene | 460 | | U |
| 91-20-3 | Naphthalene | 460 | | U |
| 85-01-8 | Phenanthrene | 400 | | J |
| 129-00-0 | Pyrene | 440 | | J |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000018
Client No.

BPSS33

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309514

Sample wt/vol: 30.48 (g/mL) G Lab File ID: Z46619.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.2

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | | 440 | U |
| 208-96-8----- | Acenaphthylene | | 440 | U |
| 120-12-7----- | Anthracene | | 33 | J |
| 56-55-3----- | Benzo (a) anthracene | | 210 | J |
| 205-99-2----- | Benzo (b) fluoranthene | | 410 | J |
| 207-08-9----- | Benzo (k) fluoranthene | | 200 | J |
| 191-24-2----- | Benzo (ghi) perylene | | 120 | J |
| 50-32-8----- | Benzo (a) pyrene | | 260 | J |
| 218-01-9----- | Chrysene | | 300 | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | | 55 | J |
| 206-44-0----- | Fluoranthene | | 530 | |
| 86-73-7----- | Fluorene | | 440 | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | | 120 | J |
| 91-57-6----- | 2-Methylnaphthalene | | 31 | J |
| 91-20-3----- | Naphthalene | | 40 | J |
| 85-01-8----- | Phenanthrene | | 220 | J |
| 129-00-0----- | Pyrene | | 330 | J |

EPA OI M04.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000018 *A*
Client No.

BPSS34

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309515

Sample wt/vol: 30.97 (g/mL) G Lab File ID: Z46620.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 26.6 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | 440 | | U |
| 208-96-8----- | Acenaphthylene | 440 | | U |
| 120-12-7----- | Anthracene | 67 | | J |
| 56-55-3----- | Benzo (a) anthracene | 250 | | J |
| 205-99-2----- | Benzo (b) fluoranthene | 300 | | J |
| 207-08-9----- | Benzo (k) fluoranthene | 200 | | J |
| 191-24-2----- | Benzo (ghi) perylene | 110 | | J |
| 50-32-8----- | Benzo (a) pyrene | 280 | | J |
| 218-01-9----- | Chrysene | 340 | | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | 54 | | J |
| 206-44-0----- | Fluoranthene | 630 | | |
| 86-73-7----- | Fluorene | 440 | | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 130 | | J |
| 91-57-6----- | 2-Methylnaphthalene | 440 | | U |
| 91-20-3----- | Naphthalene | 28 | | J |
| 85-01-8----- | Phenanthrene | 340 | | J |
| 129-00-0----- | Pyrene | 380 | | J |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000019

Client No.

BPSS35

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309516

Sample wt/vol: 30.22 (g/mL) G Lab File ID: Z46621.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.7 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.4

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 460 | U |
| 208-96-8 | Acenaphthylene | | 460 | U |
| 120-12-7 | Anthracene | | 74 | J |
| 56-55-3 | Benzo (a) anthracene | | 360 | J |
| 205-99-2 | Benzo (b) fluoranthene | | 360 | J |
| 207-08-9 | Benzo (k) fluoranthene | | 380 | J |
| 191-24-2 | Benzo (ghi) perylene | | 140 | J |
| 50-32-8 | Benzo (a) pyrene | | 380 | J |
| 218-01-9 | Chrysene | | 480 | |
| 53-70-3 | Dibenzo (a, h) anthracene | | 32 | J |
| 206-44-0 | Fluoranthene | | 900 | |
| 86-73-7 | Fluorene | | 460 | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | | 160 | J |
| 91-57-6 | 2-Methylnaphthalene | | 35 | J |
| 91-20-3 | Naphthalene | | 48 | J |
| 85-01-8 | Phenanthrene | | 410 | J |
| 129-00-0 | Pyrene | | 470 | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000020

Client No.

BPSS36

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309517

Sample wt/vol: 30.01 (g/mL) G Lab File ID: Z46567.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 28.2 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/11/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.5

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 460 | | U |
| 208-96-8 | Acenaphthylene | 460 | | U |
| 120-12-7 | Anthracene | 47 | | J |
| 56-55-3 | Benzo (a) anthracene | 290 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 260 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 230 | | J |
| 191-24-2 | Benzo (ghi) perylene | 87 | | J |
| 50-32-8 | Benzo (a) pyrene | 280 | | J |
| 218-01-9 | Chrysene | 250 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 40 | | J |
| 206-44-0 | Fluoranthene | 440 | | J |
| 86-73-7 | Fluorene | 460 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 120 | | J |
| 91-57-6 | 2-Methylnaphthalene | 28 | | J |
| 91-20-3 | Naphthalene | 34 | | J |
| 85-01-8 | Phenanthrene | 220 | | J |
| 129-00-0 | Pyrene | 340 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000021

Client No.

BPSS37

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309518

Sample wt/vol: 30.53 (g/mL) G Lab File ID: Z46568.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 21.4 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/11/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 410 | | U |
| 208-96-8 | Acenaphthylene | 410 | | U |
| 120-12-7 | Anthracene | 68 | | J |
| 56-55-3 | Benzo (a) anthracene | 390 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 330 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 330 | | J |
| 191-24-2 | Benzo (ghi) perylene | 100 | | J |
| 50-32-8 | Benzo (a) pyrene | 360 | | J |
| 218-01-9 | Chrysene | 310 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 49 | | J |
| 206-44-0 | Fluoranthene | 530 | | |
| 86-73-7 | Fluorene | 22 | | J |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 140 | | J |
| 91-57-6 | 2-Methylnaphthalene | 25 | | J |
| 91-20-3 | Naphthalene | 28 | | J |
| 85-01-8 | Phenanthrene | 400 | | J |
| 129-00-0 | Pyrene | 440 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000022

Client No.

BPSS38

Lab Name: STL Buffalo Contract: _____

Lab Code: RECONY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309519

Sample wt/vol: 30.51 (g/mL) G Lab File ID: Z46569.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 23.3 decanted: (Y/N) N Date Extracted: 04/06/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/11/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 420 | U |
| 208-96-8 | Acenaphthylene | | 420 | U |
| 120-12-7 | Anthracene | | 46 | U |
| 56-55-3 | Benzo (a) anthracene | | 390 | U |
| 205-99-2 | Benzo (b) fluoranthene | | 300 | U |
| 207-08-9 | Benzo (k) fluoranthene | | 330 | U |
| 191-24-2 | Benzo (ghi) perylene | | 96 | U |
| 50-32-8 | Benzo (a) pyrene | | 300 | U |
| 218-01-9 | Chrysene | | 300 | U |
| 53-70-3 | Dibenzo (a, h) anthracene | | 43 | U |
| 206-44-0 | Fluoranthene | | 520 | U |
| 86-73-7 | Fluorene | | 420 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 120 | U |
| 91-57-6 | 2-Methylnaphthalene | | 24 | U |
| 91-20-3 | Naphthalene | | 29 | U |
| 85-01-8 | Phenanthrene | | 260 | U |
| 129-00-0 | Pyrene | | 420 | U |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000023

Client No.

BPSS39

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309520

Sample wt/vol: 30.52 (g/mL) G Lab File ID: Z46622.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 25.7 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 160 | | J |
| 208-96-8 | Acenaphthylene | 440 | | U |
| 120-12-7 | Anthracene | 470 | | |
| 56-55-3 | Benzo (a) anthracene | 1200 | | |
| 205-99-2 | Benzo (b) fluoranthene | 1700 | | |
| 207-08-9 | Benzo (k) fluoranthene | 440 | | U |
| 191-24-2 | Benzo (ghi) perylene | 260 | | J |
| 50-32-8 | Benzo (a) pyrene | 1000 | | |
| 218-01-9 | Chrysene | 1400 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 86 | | J |
| 206-44-0 | Fluoranthene | 3100 | | |
| 86-73-7 | Fluorene | 150 | | J |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 320 | | J |
| 91-57-6 | 2-Methylnaphthalene | 70 | | J |
| 91-20-3 | Naphthalene | 88 | | J |
| 85-01-8 | Phenanthrene | 2100 | | |
| 129-00-0 | Pyrene | 1900 | | |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000034
Client No.

BPSS40

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601

Matrix: (soil/water) SOIL Lab Sample ID: A1309521

Sample wt/vol: 30.12 (g/mL) G Lab File ID: Z46597.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 21.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 26 | | J |
| 208-96-8 | Acenaphthylene | 420 | | U |
| 120-12-7 | Anthracene | 77 | | J |
| 56-55-3 | Benzo (a) anthracene | 420 | | |
| 205-99-2 | Benzo (b) fluoranthene | 580 | | |
| 207-08-9 | Benzo (k) fluoranthene | 350 | | J |
| 191-24-2 | Benzo (ghi) perylene | 140 | | J |
| 50-32-8 | Benzo (a) pyrene | 330 | | J |
| 218-01-9 | Chrysene | 570 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 72 | | J |
| 206-44-0 | Fluoranthene | 780 | | |
| 86-73-7 | Fluorene | 420 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 180 | | J |
| 91-57-6 | 2-Methylnaphthalene | 48 | | J |
| 91-20-3 | Naphthalene | 51 | | J |
| 85-01-8 | Phenanthrene | 340 | | J |
| 129-00-0 | Pyrene | 710 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000025
Client No.

RB1

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 040601
 Matrix: (soil/water) WATER Lab Sample ID: A1309505
 Sample wt/vol: 1040.0 (g/mL) ML Lab File ID: Y46834.RR
 Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001
 Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2001
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/09/2001
 Injection Volume: 2.00 (uL) Dilution Factor: 1.00
 PC Cleanup: (Y/N) N pH: 7.4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
|----------|----------------------------|---|---|
| 83-32-9 | Acenaphthene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 120-12-7 | Anthracene | 10 | U |
| 56-55-3 | Benzo (a) anthracene | 10 | U |
| 205-99-2 | Benzo (b) fluoranthene | 10 | U |
| 207-08-9 | Benzo (k) fluoranthene | 10 | U |
| 191-24-2 | Benzo (ghi) perylene | 10 | U |
| 50-32-8 | Benzo (a) pyrene | 10 | U |
| 218-01-9 | Chrysene | 10 | U |
| 53-70-3 | Dibenzo (a, h) anthracene | 10 | U |
| 206-44-0 | Fluoranthene | 10 | U |
| 86-73-7 | Fluorene | 10 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 85-01-8 | Phenanthrene | 10 | U |
| 129-00-0 | Pyrene | 10 | U |

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000010

Client No.

BPSS41

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309801

Sample wt/vol: 30.60 (g/mL) G Lab File ID: Z46598.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 24.3 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|---------------------------|-----------------|-------|-----|
| 83-32-9 | Acenaphthene | 430 | | U |
| 208-96-8 | Acenaphthylene | 430 | | U |
| 120-12-7 | Anthracene | 28 | | J |
| 56-55-3 | Benzo (a) anthracene | 220 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 640 | | |
| 207-08-9 | Benzo (k) fluoranthene | 430 | | U J |
| 191-24-2 | Benzo (ghi) perylene | 85 | | J |
| 50-32-8 | Benzo (a) pyrene | 290 | | J |
| 218-01-9 | Chrysene | 290 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 39 | | J |
| 206-44-0 | Fluoranthene | 330 | | J |
| 86-73-7 | Fluorene | 430 | | U |
| 193-39-5 | Indeno (1,2,3-cd) pyrene | 110 | | J |
| 91-57-6 | 2-Methylnaphthalene | 35 | | J |
| 91-20-3 | Naphthalene | 40 | | J |
| 85-01-8 | Phenanthrene | 150 | | J |
| 129-00-0 | Pyrene | 340 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000011
Client No.

BPSS42

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309802

Sample wt/vol: 30.64 (g/mL) G Lab File ID: Z46599.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 15.9 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 33 | | J |
| 208-96-8 | Acenaphthylene | 380 | | U |
| 120-12-7 | Anthracene | 110 | | J |
| 56-55-3 | Benzo (a) anthracene | 400 | | |
| 205-99-2 | Benzo (b) fluoranthene | 670 | | |
| 207-08-9 | Benzo (k) fluoranthene | 270 | | J |
| 191-24-2 | Benzo (ghi) perylene | 130 | | J |
| 50-32-8 | Benzo (a) pyrene | 440 | | |
| 218-01-9 | Chrysene | 550 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 66 | | J |
| 206-44-0 | Fluoranthene | 760 | | |
| 86-73-7 | Fluorene | 25 | | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 170 | | J |
| 91-57-6 | 2-Methylnaphthalene | 32 | | J |
| 91-20-3 | Naphthalene | 39 | | J |
| 85-01-8 | Phenanthrene | 440 | | |
| 129-00-0 | Pyrene | 730 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000012

Client No.

BPSS43

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309803

Sample wt/vol: 30.10 (g/mL) G Lab File ID: Z46600.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

% Moisture: 14.3 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | 380 | | U |
| 208-96-8----- | Acenaphthylene | 380 | | U |
| 120-12-7----- | Anthracene | 380 | | U |
| 56-55-3----- | Benzo (a) anthracene | 97 | | J |
| 205-99-2----- | Benzo (b) fluoranthene | 140 | | J |
| 207-08-9----- | Benzo (k) fluoranthene | 84 | | J |
| 191-24-2----- | Benzo (ghi) perylene | 32 | | J |
| 50-32-8----- | Benzo (a) pyrene | 100 | | J |
| 218-01-9----- | Chrysene | 130 | | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | 380 | | U |
| 206-44-0----- | Fluoranthene | 140 | | J |
| 86-73-7----- | Fluorene | 380 | | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 42 | | J |
| 91-57-6----- | 2-Methylnaphthalene | 380 | | U |
| 91-20-3----- | Naphthalene | 380 | | U |
| 85-01-8----- | Phenanthrene | 54 | | J |
| 129-00-0----- | Pyrene | 140 | | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000013

Client No.

BPSS44

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309804

Sample wt/vol: 30.41 (g/mL) G Lab File ID: Z46601.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 14.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | | 380 | U |
| 208-96-8 | Acenaphthylene | | 380 | U |
| 120-12-7 | Anthracene | | 380 | U |
| 56-55-3 | Benzo (a) anthracene | | 110 | J |
| 205-99-2 | Benzo (b) fluoranthene | | 130 | J |
| 207-08-9 | Benzo (k) fluoranthene | | 71 | J |
| 191-24-2 | Benzo (ghi) perylene | | 27 | J |
| 50-32-8 | Benzo (a) pyrene | | 64 | J |
| 218-01-9 | Chrysene | | 120 | J |
| 53-70-3 | Dibenzo (a, h) anthracene | | 380 | U |
| 206-44-0 | Fluoranthene | | 150 | J |
| 86-73-7 | Fluorene | | 380 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | | 38 | J |
| 91-57-6 | 2-Methylnaphthalene | | 380 | U |
| 91-20-3 | Naphthalene | | 380 | U |
| 85-01-8 | Phenanthrene | | 54 | J |
| 129-00-0 | Pyrene | | 140 | J |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000014
Client No.

BPSS45

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309805

Sample wt/vol: 30.54 (g/mL) G Lab File ID: Z46602.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 20.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.6

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 52 | | J |
| 208-96-8 | Acenaphthylene | 23 | | J |
| 120-12-7 | Anthracene | 230 | | J |
| 56-55-3 | Benzo (a) anthracene | 660 | | |
| 205-99-2 | Benzo (b) fluoranthene | 900 | | |
| 207-08-9 | Benzo (k) fluoranthene | 420 | | |
| 191-24-2 | Benzo (ghi) perylene | 170 | | |
| 50-32-8 | Benzo (a) pyrene | 440 | | |
| 218-01-9 | Chrysene | 900 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 92 | | J |
| 206-44-0 | Fluoranthene | 1400 | | |
| 86-73-7 | Fluorene | 66 | | |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 220 | | |
| 91-57-6 | 2-Methylnaphthalene | 64 | | |
| 91-20-3 | Naphthalene | 75 | | |
| 85-01-8 | Phenanthrene | 840 | | |
| 129-00-0 | Pyrene | 1200 | | |

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EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000015

Client No.

BPSS46

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309806

Sample wt/vol: 30.62 (g/mL) G Lab File ID: Z46603.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 23.8 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/KG</u> | Q |
|----------|----------------------------|--|---|
| 83-32-9 | Acenaphthene | 420 | U |
| 208-96-8 | Acenaphthylene | 31 | J |
| 120-12-7 | Anthracene | 94 | J |
| 56-55-3 | Benzo (a) anthracene | 510 | |
| 205-99-2 | Benzo (b) fluoranthene | 810 | |
| 207-08-9 | Benzo (k) fluoranthene | 450 | J |
| 191-24-2 | Benzo (ghi) perylene | 160 | J |
| 50-32-8 | Benzo (a) pyrene | 600 | |
| 218-01-9 | Chrysene | 750 | |
| 53-70-3 | Dibenzo (a, h) anthracene | 81 | J |
| 206-44-0 | Fluoranthene | 950 | |
| 86-73-7 | Fluorene | 420 | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 210 | J |
| 91-57-6 | 2-Methylnaphthalene | 58 | J |
| 91-20-3 | Naphthalene | 80 | J |
| 85-01-8 | Phenanthrene | 480 | |
| 129-00-0 | Pyrene | 950 | |

Handwritten signature and date: 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000016

Client No.

BPSS47

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309807

Sample wt/vol: 30.22 (g/mL) G Lab File ID: Z46604.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 21.4 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.7

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 24 | | J |
| 208-96-8 | Acenaphthylene | 31 | | J |
| 120-12-7 | Anthracene | 130 | | J |
| 56-55-3 | Benzo (a) anthracene | 660 | | |
| 205-99-2 | Benzo (b) fluoranthene | 1000 | | |
| 207-08-9 | Benzo (k) fluoranthene | 590 | | J |
| 191-24-2 | Benzo (ghi) perylene | 190 | | J |
| 50-32-8 | Benzo (a) pyrene | 760 | | |
| 218-01-9 | Chrysene | 900 | | |
| 53-70-3 | Dibenzo (a, h) anthracene | 110 | | J |
| 206-44-0 | Fluoranthene | 1300 | | |
| 86-73-7 | Fluorene | 23 | | J |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 260 | | J |
| 91-57-6 | 2-Methylnaphthalene | 48 | | J |
| 91-20-3 | Naphthalene | 110 | | J |
| 85-01-8 | Phenanthrene | 510 | | |
| 129-00-0 | Pyrene | 1000 | | |

DKY 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000017

Client No.

BPSS48

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309808

Sample wt/vol: 30.21 (g/mL) G Lab File ID: Z46605.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 17.7 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/12/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 400 | | U |
| 208-96-8 | Acenaphthylene | 400 | | U |
| 120-12-7 | Anthracene | 44 | | J |
| 56-55-3 | Benzo (a) anthracene | 300 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 780 | | |
| 207-08-9 | Benzo (k) fluoranthene | 400 | | J |
| 191-24-2 | Benzo (ghi) perylene | 82 | | J |
| 50-32-8 | Benzo (a) pyrene | 330 | | J |
| 218-01-9 | Chrysene | 330 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 38 | | J |
| 206-44-0 | Fluoranthene | 440 | | |
| 86-73-7 | Fluorene | 400 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 120 | | J |
| 91-57-6 | 2-Methylnaphthalene | 27 | | J |
| 91-20-3 | Naphthalene | 36 | | J |
| 85-01-8 | Phenanthrene | 160 | | J |
| 129-00-0 | Pyrene | 440 | | |

DKL 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000018

Client No.

BPSS49

Lab Name: STL Buffalo Contract: _____

Lab Code: REQNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309809

Sample wt/vol: 30.91 (g/mL) G Lab File ID: Z46606.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 20.2 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

Cleanup: (Y/N) Y pH: 7.8

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 400 | | U |
| 208-96-8 | Acenaphthylene | 400 | | U |
| 120-12-7 | Anthracene | 23 | | J |
| 56-55-3 | Benzo (a) anthracene | 200 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 320 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 200 | | J |
| 191-24-2 | Benzo (ghi) perylene | 59 | | J |
| 50-32-8 | Benzo (a) pyrene | 240 | | J |
| 218-01-9 | Chrysene | 260 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 400 | | U |
| 206-44-0 | Fluoranthene | 330 | | J |
| 86-73-7 | Fluorene | 400 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 76 | | J |
| 91-57-6 | 2-Methylnaphthalene | 38 | | J |
| 91-20-3 | Naphthalene | 43 | | J |
| 85-01-8 | Phenanthrene | 130 | | J |
| 129-00-0 | Pyrene | 310 | | J |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000019
Client No.

BPSS50

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) SOIL Lab Sample ID: A1309810

Sample wt/vol: 30.37 (g/mL) G Lab File ID: Z46609.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 11.1 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) Y pH: 8.0

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|---------------|----------------------------|-----------------|-------|---|
| 83-32-9----- | Acenaphthene | 370 | | U |
| 208-96-8----- | Acenaphthylene | 370 | | U |
| 120-12-7----- | Anthracene | 370 | | U |
| 56-55-3----- | Benzo (a) anthracene | 130 | | J |
| 205-99-2----- | Benzo (b) fluoranthene | 190 | | J |
| 207-08-9----- | Benzo (k) fluoranthene | 120 | | J |
| 191-24-2----- | Benzo (ghi) perylene | 35 | | J |
| 50-32-8----- | Benzo (a) pyrene | 130 | | J |
| 218-01-9----- | Chrysene | 170 | | J |
| 53-70-3----- | Dibenzo (a, h) anthracene | 370 | | U |
| 206-44-0----- | Fluoranthene | 220 | | J |
| 86-73-7----- | Fluorene | 370 | | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 44 | | J |
| 91-57-6----- | 2-Methylnaphthalene | 29 | | J |
| 91-20-3----- | Naphthalene | 25 | | J |
| 85-01-8----- | Phenanthrene | 92 | | J |
| 129-00-0----- | Pyrene | 230 | | J |

OK 5/1/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000020
Client No.

BPSS56/1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

5/10/01

Matrix: (soil/water) SOIL Lab Sample ID: A1309812

Sample wt/vol: 30.15 (g/mL) G Lab File ID: Z46610.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: 10.7 decanted: (Y/N) N Date Extracted: 04/11/2001

Concentrated Extract Volume: 500 (uL) Date Analyzed: 04/13/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

PC Cleanup: (Y/N) Y pH: 7.9

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/KG | Q |
|----------|----------------------------|-----------------|-------|---|
| 83-32-9 | Acenaphthene | 370 | | U |
| 208-96-8 | Acenaphthylene | 370 | | U |
| 120-12-7 | Anthracene | 370 | | U |
| 56-55-3 | Benzo (a) anthracene | 50 | | J |
| 205-99-2 | Benzo (b) fluoranthene | 69 | | J |
| 207-08-9 | Benzo (k) fluoranthene | 33 | | J |
| 191-24-2 | Benzo (ghi) perylene | 370 | | U |
| 50-32-8 | Benzo (a) pyrene | 41 | | J |
| 218-01-9 | Chrysene | 74 | | J |
| 53-70-3 | Dibenzo (a, h) anthracene | 370 | | U |
| 206-44-0 | Fluoranthene | 120 | | J |
| 86-73-7 | Fluorene | 370 | | U |
| 193-39-5 | Indeno (1, 2, 3-cd) pyrene | 370 | | U |
| 91-57-6 | 2-Methylnaphthalene | 370 | | U |
| 91-20-3 | Naphthalene | 370 | | U |
| 85-01-8 | Phenanthrene | 59 | | J |
| 129-00-0 | Pyrene | 100 | | J |

4

5/10/01

EPA OLMO4.2 - POLYAROMATIC HYDROCARBONS
ANALYSIS DATA SHEET

000021
Client No.

RB2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: MAY05

Matrix: (soil/water) WATER Lab Sample ID: A1309811

Sample wt/vol: 1020.0 (g/mL) ML Lab File ID: Y46840.RR

Level: (low/med) LOW Date Samp/Recv: 04/04/2001 04/05/2001

Moisture: _____ decanted: (Y/N) N Date Extracted: 04/07/2001

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/10/2001

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GC Cleanup: (Y/N) N pH: 5.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | UG/L | Q |
|---------------|----------------------------|------|---|
| 83-32-9----- | Acenaphthene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 56-55-3----- | Benzo (a) anthracene | 10 | U |
| 205-99-2----- | Benzo (b) fluoranthene | 10 | U |
| 207-08-9----- | Benzo (k) fluoranthene | 10 | U |
| 191-24-2----- | Benzo (ghi) perylene | 10 | U |
| 50-32-8----- | Benzo (a) pyrene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 53-70-3----- | Dibenzo (a, h) anthracene | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 193-39-5----- | Indeno (1, 2, 3-cd) pyrene | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |

SAMPLING LOCATIONS MAP

ABBY

SOUTH PARK

AMELIA

GERMANIA

PEMBINA



401

SS216
SB75

SS211
SB352

SS94

BALL
FIELD

SS90
SB350

SS215
SB354

SS210
SB73

SS208
SB348

BASEBALL FIELD

SS214
SB353

SS209
SB351

SS206
SB347
SB348DUP

BALL
FIELD

SS93

SS212
SS213DUP
SB74

SS92
SB72

SS207
SB346

BASKETBALL
COURT

LEGEND

- SAMPLE LOCATION
- DUP = DUPLICATE SAMPLE

NOTE:

LOT BOUNDARIES AND HOUSE OUTLINES
ARE SCHEMATIC AND NOT TO SCALE.

APPROXIMATE
SCALE:

100'

U.S. EPA ENVIRONMENTAL RESPONSE TEAM CENTER
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
68-C99-223
V.O.# R1A0026

FIGURE 7
BASEBALL FIELD
SAMPLE LOCATIONS
ABBY STREET HICKORY WOODS SUBDIVISION
BUFFALO, NEW YORK
JULY 2000

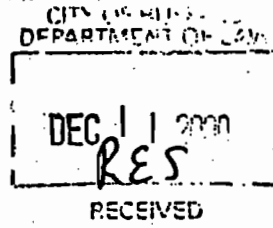
ANALYTICAL DATA





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
EDISON, NEW JERSEY 08837

DEC 06 2000



Richard E. Stanton, Esq.
Assistant Corporation Counsel
Department of Law
City of Buffalo
1100 City Hall
Buffalo, New York 14202

Re: Test Results of Samples Collected from the City of Buffalo Property(ies)

Dear Mr. Stanton:

As you know, EPA sampled some of the properties owned by the City of Buffalo in the Hickory Woods subdivision in Buffalo, New York to identify potential contamination in this neighborhood. The sampling program was developed at the request of the City of Buffalo and in discussion with residents of Hickory Woods. These sample results are enclosed for your information.

In accordance with the Sampling Plan for Hickory Woods of March, 2000, all of the soil samples were analyzed for the 65 target compound list (TCL) semivolatile organic compounds which include 17 polycyclic aromatic hydrocarbons (PAHs). In addition, about a third of the soil samples were analyzed for the 24 target analyte list (TAL) inorganic analytes which include 23 heavy metals and cyanide, 28 TCL pesticides/PCBs, and 48 TCL volatile organic compounds.

The EPA data package includes tables of analytical results for the surface (SS) and subsurface (SB) soil samples. The tables of analytical results include information regarding the sample identification (sample number and sample location number), sample depth, sampling date and time, sample matrix (soil or water), sample moisture content and pH, and concentrations for individual chemicals tested in each of the samples.

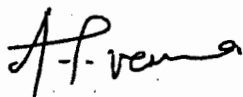
As mentioned above, samples collected from the various properties in Hickory Woods were tested for the TCL organic compounds and TAL inorganic analytes. These chemicals consist of an exhaustive list of 165 individual chemical compounds and analytes which EPA targets for analyses at sites that are being investigated for hazardous substances and/or hazardous wastes.

The analytical data included in your package are organized by the results for 65 Base Neutral/Acid Extractable (BNA) semivolatile organic compounds; 48 volatile organic compounds; 28 pesticide/PCBs and 23 heavy metals and cyanide. Concentrations of organic chemicals are given in the units of microgram (i.e. a millionth of a gram) per kilogram (1,000 grams) which is expressed as "ug/Kg". The unit ug/Kg is similar to the term "parts per billion" or "ppb" for short. Inorganic metals and cyanide are expressed in units of milligram per kilogram or "mg/Kg" which is similar to the term parts per million (ppm). In many instances, the results are qualified by a data qualifier, "U" or "J" in the flag column of the tables. The "U" qualifier indicates a non-detect value, which means that the compound was analyzed for but not detected. The "J" qualifier indicates the compound was identified but the concentration value is approximate and estimated. Occasionally, other qualifiers, "B", "D", "UJ" may also follow the results. All of the data qualifiers are explained in the attached data qualifier sheet.

The BNA analyses include the 17 individual PAH constituents, namely, naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoanthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i) perylene. Results for these individual PAHs are included in the BNA tables. Benzo(a)pyrene (BaP) is one of the most well-studied of the PAHs and is also one of the more toxic chemicals in this group. Consequently, analytical results for PAHs in soil are often summarized and reported in terms of B(a)P equivalents, which incorporates, in addition to B(a)P, the amounts and carcinogenic potencies of other probable carcinogenic PAHs, i.e., benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene. B(a)P equivalent results are presented at the bottom of the BNA tables.

Should you have any questions, please feel free to contact me at (732) 321-4459.

Sincerely,



Akhil P. Verma, Ph.D.
On-Scene Coordinator
Removal Action Branch

Abby Street/Hickory Woods Subdivision, Buffalo, New York
U.S. Environmental Protection Agency (EPA) Soil Investigation May/June 2000

The following is an explanation of the data qualifiers in the 'flag' column in the analytical data tables. These data qualifiers were applied at the analytical laboratory and/or during EPA's validation of the results and follow the conventions set forth in EPA's Contract Laboratory Program (CLP) and other applicable requirements.

Qualifiers for Organic Data

- U:** This qualifier indicates that the compound was analyzed for but not detected.
- J:** This qualifier indicates that the compound was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- B:** This qualifier is used when the analyte is found in the associated blank sample as well as in the sample itself. It indicates probable blank contamination.
- D:** This qualifier indicates that the compound was identified and quantified in an analysis at a secondary dilution factor, i.e., the sample was reanalysed with a higher dilution factor than the original analysis.
- R:** The sample results for this compound were rejected due to serious deficiencies in the ability to analyze the sample and meet the applicable quality control criteria. The presence or absence of the analyte cannot be verified and the result has been rejected.

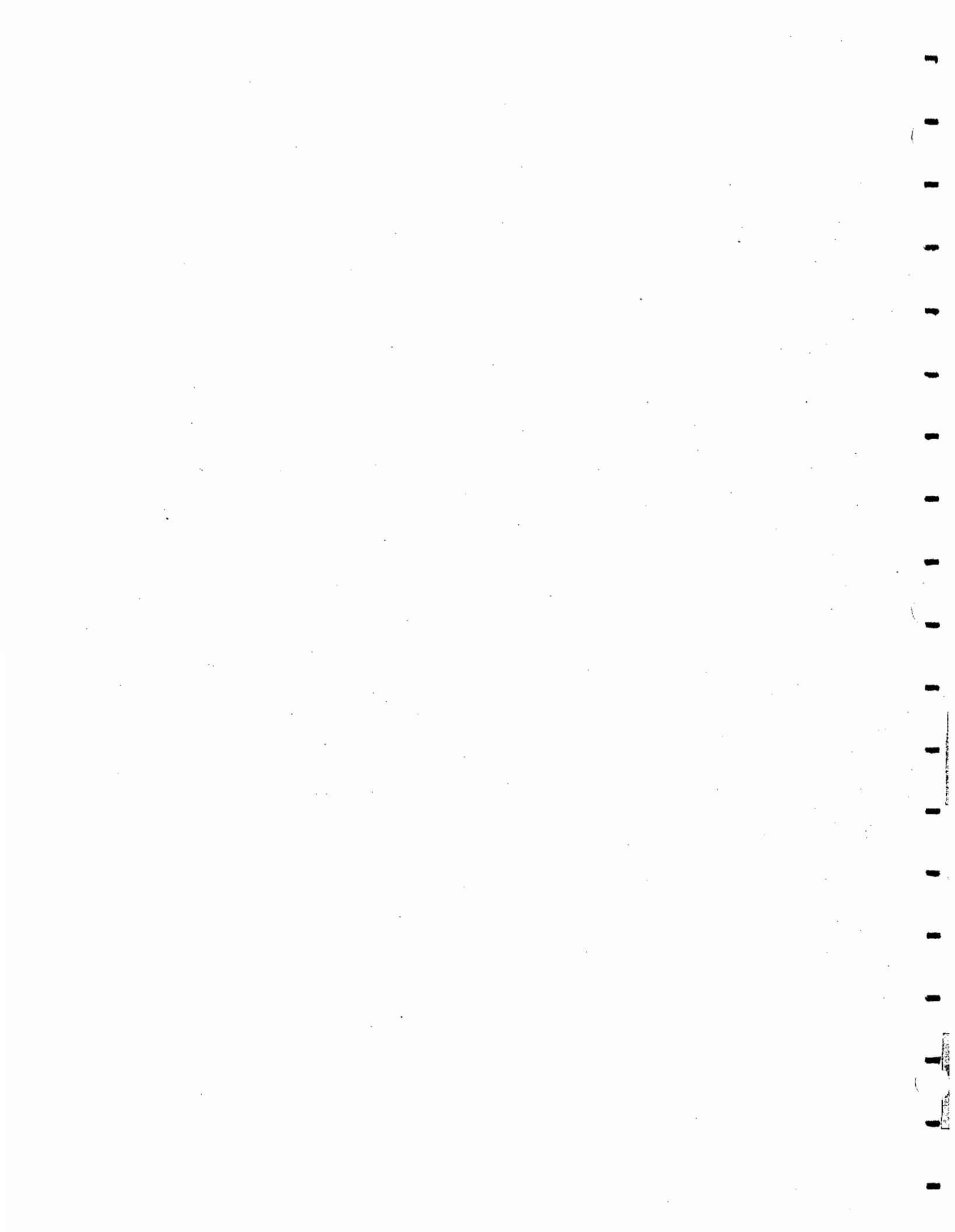
This qualifier indicates that the analyte was not quantifiable at or above the Contract Required Quantitation Limit (CRQL). In addition to not being quantifiable, one or more Quality Assurance/Quality Control requirements did not meet contract acceptance criteria established under EPA's Contract Laboratory Program (CLP).
- NJ:** This qualifier is applied when the laboratory analysis indicates the presence of an analyte that was been "tentatively identified." The associated numerical value represents the approximate concentration of the analyte. The NJ-qualifier is used only for pesticides and PCBs.

Qualifiers for Inorganic Data

- U:** This qualifier indicates that the compound was analyzed for but not detected.
- J:** This qualifier indicates that the compound was positively identified. The associated numerical value is the approximate concentration of the analyte in the sample.
- B:** This qualifier indicates that the reported value was obtained from a reading that was below the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
- R:** The sample results for this compound were rejected due to serious deficiencies in the ability to analyze the sample and meet the applicable quality control criteria. The presence or absence of the analyte cannot be verified and the result has been rejected.

This qualifier indicates that the analyte was not quantifiable at or above the Contract Required Detection Limit (CRDL). In addition to not being quantifiable, one or more Quality Assurance/Quality Control requirements did not meet contract acceptance criteria established under EPA's Contract Laboratory Program (CLP).

Combinations of the listed qualifiers (e.g., JD, BJ) were applied where applicable.



Street Address:

City Lots - 353 Germania: Ballfields/Playground

ANA Results

| Sample Number : | BZL93 | | BZL95 | | BZL96 | | BZL97 | | BZL98 | |
|------------------------------|------------|------|------------|------|-----------------------|------|---------------------|------|------------|------|
| Sampling Location : | SS-90 | | SS-92 | | SS-93 | | SS-94 | | SS-95 | |
| Location Within Lot: | Grid | | Grid | | Home Plate (S. Field) | | 1st Base (N. Field) | | Grid | |
| Sampling Depth: | 0-2" | | 0-2" | | 0-2" | | 0-2" | | 0-2" | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | |
| Time Sampled : | 12:20 | | 12:30 | | 16:05 | | 16:15 | | 17:15 | |
| %Moisture : | 26 | | 22 | | 15 | | 12 | | 24 | |
| pH : | 7.3 | | 7.4 | | 7.8 | | 7.9 | | 7.2 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Phenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| bis(2-Chloroethyl) ether | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2-Chlorophenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2-Methylphenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,2'-oxybis(1-Chloropropane) | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Acetophenone | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 4-Methylphenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| N-Nitroso-di-n-propylamine | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Hexachloroethane | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Nitrobenzene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Chlorone | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Nitrophenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,4-Dimethylphenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| bis(2-Chloroethoxy)methane | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,4-Dichlorophenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Naphthalene | 130 | U | 270 | U | 390 | U | 380 | U | 120 | U |
| 4-Chloroaniline | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Hexachlorobutadiene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Caprolactam | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 4-Chloro-3-methylphenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2-Methylnaphthalene | 140 | J | 280 | J | 390 | U | 380 | U | 78 | J |
| Hexachlorocyclopentadiene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,4,6-Trichlorophenol | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,4,5-Trichlorophenol | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| 1,1'-Biphenyl | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2-Chloronaphthalene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2-Nitroaniline | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| Dimethylphthalate | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 2,6-Dinitrotoluene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Acenaphthylene | 450 | U | 55 | J | 390 | U | 380 | U | 430 | U |
| 3-Nitroaniline | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| Acenaphthene | 450 | U | 110 | J | 390 | U | 380 | U | 130 | J |
| 2,4-Dinitrophenol | 1100 | R | 1100 | R | 980 | R | 940 | R | 1100 | R |
| 4-Nitrophenol | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| Dibenzofuran | 59 | J | 140 | J | 390 | U | 380 | U | 79 | J |
| 1-Nitrotoluene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |

BO0LB

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Street Address: Open Lot/Ballfield & Playground
 BNA Results

| Sample Number : | BZL93 | BZL95 | BZL96 | BZL97 | BZL98 | | | | | |
|----------------------------|------------|------------|-------------------------|-----------------------|------------|------|--------|------|--------|------|
| Sampling Location : | SS-90 | SS-92 | SS-93 | SS-94 | SS-95 | | | | | |
| Location Within Lot: | Grid | Grid | Home Plate, South Field | 1st Base, North Field | Grid | | | | | |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:20 | 12:30 | 16:05 | 16:15 | 17:15 | | | | | |
| %Moisture : | 26 | 22 | 15 | 12 | 24 | | | | | |
| pH : | 7.3 | 7.4 | 7.8 | 7.9 | 7.2 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Diethylphthalate | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Fluorene | 450 | U | 100 | J | 390 | U | 380 | U | 130 | J |
| 4-Chlorophenyl phenylether | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 4-Nitroaniline | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| 4,6-Dinitro-2-methylphenol | 1100 | UJ | 1100 | UJ | 980 | UJ | 940 | UJ | 1100 | UJ |
| N-Nitrosodiphenylamine | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 4-Bromophenyl phenylether | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Hexachlorobenzene | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Atrazine | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Pentachlorophenol | 1100 | U | 1100 | U | 980 | U | 940 | U | 1100 | U |
| Phenanthrene | 560 | J | 100 | J | 390 | U | 70 | J | 1100 | J |
| Anthracene | 120 | J | 280 | J | 390 | U | 380 | U | 300 | J |
| Carbazole | 73 | J | 140 | J | 390 | U | 380 | U | 170 | J |
| Di-n-butylphthalate | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Fluoranthene | 860 | J | 1800 | J | 80 | J | 140 | J | 1900 | J |
| Pyrene | 620 | J | 1200 | J | 55 | J | 85 | J | 1300 | J |
| Butylbenzylphthalate | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| 3,3'-Dichlorobenzidine | 450 | U | 420 | U | 390 | U | 380 | U | 430 | U |
| Benzo(a)anthracene | 390 | J | 790 | J | 390 | U | 58 | J | 790 | J |
| Chrysene | 480 | J | 920 | J | 47 | J | 72 | J | 840 | J |
| bis(2-Ethylhexyl)phthalate | 450 | U | 420 | U | 390 | U | 1300 | J | 430 | J |
| Di-n-octylphthalate | 450 | UJ | 420 | UJ | 390 | UJ | 270 | J | 430 | UJ |
| Benzo(b)fluoranthene | 450 | J | 980 | J | 55 | J | 79 | J | 1000 | J |
| Benzo(k)fluoranthene | 520 | J | 850 | J | 390 | U | 61 | J | 730 | J |
| Benzo(a)pyrene | 420 | J | 820 | J | 390 | U | 62 | J | 740 | J |
| Indeno(1,2,3-cd)pyrene | 310 | J | 590 | J | 390 | U | 48 | J | 520 | J |
| Dibenzo(a,h)anthracene | 450 | U | 220 | J | 390 | U | 380 | U | 83 | J |
| Benzo(g,h,i)perylene | 170 | J | 310 | J | 390 | U | 43 | J | 250 | J |

SDG: B00LB B00LB B00LB B00LB B00LB

| Sampling Location: | SS-90 | | SS-92 | | SS-93 | | SS-94 | | SS-95 | |
|-------------------------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Carcinogenic PAHs | | | | | | | | | | |
| Benzo(a)anthracene | 390 | 39 | 790 | 79 | 195 | 19.5 | 58 | 5.8 | 790 | 79 |
| Chrysene | 480 | 0.48 | 920 | 0.92 | 47 | 0.047 | 72 | 0.072 | 840 | 0.84 |
| Benzo(b)fluoranthene | 450 | 45 | 980 | 98 | 55 | 5.5 | 79 | 7.9 | 1000 | 100 |
| Benzo(k)fluoranthene | 520 | 5.2 | 850 | 8.5 | 195 | 1.95 | 61 | 0.61 | 730 | 7.3 |
| Benzo(a)pyrene | 420 | 420 | 820 | 820 | 195 | 195 | 62 | 62 | 740 | 740 |
| Indeno(1,2,3-cd)pyrene | 310 | 31 | 590 | 59 | 195 | 19.5 | 48 | 4.8 | 520 | 52 |
| Dibenzo(a,h)anthracene | 225 | 225 | 220 | 220 | 195 | 195 | 190 | 190 | 83 | 83 |
| Total BaP equivalents [ug/kg] | | 765.68 | | 1285.42 | | 436.497 | | 271.182 | | 1062.14 |
| Total BaP equivalents [mg/kg] | | 0.766 | | 1.285 | | 0.436 | | 0.271 | | 1.062 |

In the above calculation of Benzo(a)pyrene equivalents, one-half the detection limit was used for non-detected results ("U"-qualified data).

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
 NA Results

| Sample Number : | B00DH | | B00DJ | | B00DK | | B00DM | | B00DN | |
|------------------------------|------------|------|------------|------|------------|------|------------|------|------------|------|
| Sampling Location : | SS-206 | | SS-207 | | SS-208 | | SS-209 | | SS-210 | |
| Location Within Lot: | Grid | | Grid | | Grid | | Grid | | Grid | |
| Sampling Depth: | 0-2" | | 0-2" | | 0-2" | | 0-2" | | 0-2" | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | |
| Time Sampled : | 11:35 | | 11:25 | | 11:35 | | 14:15 | | 14:40 | |
| %Moisture : | 29 | | 28 | | 29 | | 27 | | 24 | |
| pH : | 6.9 | | 7.2 | | 7.3 | | 7.5 | | 7.8 | |
| Dilution Factor : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Phenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| bis-(2-Chloromethyl) ether | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2-Chlorophenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2-Methylphenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,2'-oxybis(1-Chloropropane) | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Acetophenone | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 4-Methylphenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| N-Nitroso-d,n-propylamine | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Hexachloroethane | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Nitrobenzene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Phosphone | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Nitrophenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,4-Dimethylphenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| bis-(2-Chloroethoxy)methane | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,4-Dichlorophenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Naphthalene | 99 | J | 190 | J | 94 | J | 146 | J | 100 | J |
| 4-Chloroaniline | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Hexachlorobutadiene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Caprolactam | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 4-Chloro-3-methylphenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2-Methylnaphthalene | 57 | J | 180 | J | 93 | J | 130 | J | 100 | J |
| Hexachlorocyclopentadiene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,4,6-Trichlorophenol | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,4,5-Trichlorophenol | 1200 | U | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| 1,1'-Biphenyl | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2-Chloronaphthalene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2-Nitroaniline | 1200 | U | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| Dimethylphthalate | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,6-Dinitrotoluene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Acenaphthylene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 3-Nitroaniline | 1200 | U | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| Acenaphthene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 2,4-Dinitrophenol | 1200 | R | 1200 | UJ | 1200 | UJ | 1100 | UJ | 1100 | UJ |
| 4-Nitrophenol | 200 | U | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| Dibenzofuran | 460 | U | 95 | J | 51 | J | 67 | J | 50 | J |
| 2,4-Dinitrotoluene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |

B00DF

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Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
 BNA Results

| Sample Number : | B00DH | B00DJ | B00DK | B00DM | B00DN |
|----------------------|------------|------------|------------|------------|------------|
| Sampling Location : | SS-206 | SS-207 | SS-208 | SS-209 | SS-210 |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" |
| Matrix : | Soil | Soil | Soil | Soil | Soil |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 |
| Time Sampled : | 11:35 | 11:25 | 11:35 | 14:15 | 14:40 |
| %Moisture : | 29 | 28 | 29 | 27 | 24 |
| pH : | 6.9 | 7.2 | 7.3 | 7.5 | 7.6 |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
|----------------------------|--------|------|--------|------|--------|------|--------|------|--------|------|
| Diethylphthalate | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Fluorene | 460 | U | 72 | J | 460 | U | 450 | U | 430 | U |
| 4-Chlorophenyl-phenylether | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 4-Nitroaniline | 1200 | U | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| 4,6-Dinitro-2-methylphenol | 1200 | UJ | 1200 | U | 1200 | U | 1100 | U | 1100 | U |
| N-Nitrosodiphenylamine | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| 4-Bromophenyl-phenylether | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Hexachlorobenzene | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Atrazine | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Pentachlorophenol | 1200 | U | 1200 | UJ | 1200 | UJ | 1100 | UJ | 1100 | UJ |
| Phenanthrene | 230 | J | 1200 | J | 600 | J | 650 | J | 530 | J |
| Anthracene | 460 | U | 230 | J | 110 | J | 130 | J | 120 | J |
| Carbazole | 460 | U | 140 | U | 66 | J | 67 | J | 65 | J |
| Di-n-butylphthalate | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Fluoranthene | 430 | J | 2100 | J | 1000 | J | 900 | J | 810 | J |
| Pyrene | 370 | J | 1900 | J | 910 | J | 800 | J | 770 | J |
| Butylbenzylphthalate | 460 | U | 65 | J | 460 | U | 450 | U | 430 | U |
| 3,3'-Dichlorobenzidine | 460 | U | 460 | U | 460 | U | 450 | U | 430 | U |
| Benzo(a)anthracene | 230 | J | 1200 | J | 560 | J | 490 | J | 440 | J |
| Chrysene | 300 | J | 1400 | J | 670 | J | 580 | J | 550 | J |
| Bis(2-Ethylhexyl)phthalate | 490 | J | 390 | J | 150 | J | 1200 | J | 250 | J |
| Di-n-octylphthalate | 460 | UJ | 460 | U | 460 | U | 450 | U | 430 | U |
| Benzo(b)fluoranthene | 300 | J | 1500 | J | 760 | J | 740 | J | 750 | J |
| Benzo(k)fluoranthene | 370 | J | 1400 | J | 610 | J | 470 | J | 430 | J |
| Benzo(a)pyrene | 280 | J | 1300 | J | 640 | J | 550 | J | 520 | J |
| Indeno(1,2,3-cd)pyrene | 230 | J | 1000 | J | 440 | J | 460 | J | 430 | J |
| Dibenzo(a,h)anthracene | 71 | J | 380 | J | 77 | J | 87 | J | 84 | J |
| Benzo(g,h,i)perylene | 200 | J | 800 | J | 360 | J | 380 | J | 350 | J |

SDG: B00DF B00DF B00DF B00DF B00DF

| Sampling Location : | SS-206 | | SS-207 | | SS-208 | | SS-209 | | SS-210 | |
|-------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Benzo(a)anthracene | 230 | 23 | 1200 | 120 | 560 | 56 | 490 | 49 | 440 | 44 |
| Chrysene | 300 | 0.3 | 1400 | 1.4 | 670 | 0.67 | 580 | 0.58 | 550 | 0.55 |
| Benzo(b)fluoranthene | 300 | 30 | 1500 | 150 | 760 | 76 | 740 | 74 | 750 | 75 |
| Benzo(k)fluoranthene | 370 | 3.7 | 1400 | 14 | 610 | 6.1 | 470 | 4.7 | 430 | 4.3 |
| Benzo(a)pyrene | 280 | 280 | 1300 | 1300 | 640 | 640 | 550 | 550 | 520 | 520 |
| Indeno(1,2,3-cd)pyrene | 230 | 23 | 1000 | 100 | 440 | 44 | 460 | 46 | 430 | 43 |
| Dibenzo(a,h)anthracene | 71 | 71 | 380 | 380 | 77 | 77 | 87 | 87 | 84 | 84 |
| Total BaP equivalents [ug/kg] | | 431 | | 2065.4 | | 899.77 | | 811.28 | | 770.85 |
| Total BaP equivalents [mg/kg] | | 0.431 | | 2.065 | | 0.900 | | 0.811 | | 0.771 |

Street Address: Open Lo/Ballfield & Playground
VA Results

Dup. of SS-212

| Sample Number : | B00DP | | B00DQ | | B00DR | | B00DT | | B00DW | |
|------------------------------|------------|------|------------|------|------------|------|------------|------|------------|------|
| | SS-211 | | SS-212 | | SS-213 | | SS-214 | | SS-215 | |
| Sampling Location : | Grid | | Grid | | Grid | | Grid | | Grid | |
| Location Within Lot : | 0-2" | | 0-2" | | 0-2" | | 0-2" | | 0-2" | |
| Sampling Depth : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Matrix : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Units : | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | |
| Date Sampled : | 14:45 | | 15:25 | | 15:25 | | 15:45 | | 16:45 | |
| Time Sampled : | 24 | | 23 | | 22 | | 25 | | 27 | |
| %Moisture : | 7.8 | | 7.8 | | 7.5 | | 7.4 | | 8.0 | |
| pH : | 1.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Dilution Factor : | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Semivolatle Compound | | | | | | | | | | |
| Benzaldehyde | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Phenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| bis(2-Chloroethyl) ether | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2-Chlorophenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2-Methylphenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,2'-oxybis(1-Chloropropane) | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Acetophenone | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 4-Methylphenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| N-Nitroso-d-n-propylamine | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Hexachloroethane | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Nitrobenzene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Isophorone | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| litrophenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,4-Dimethylphenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| bis(2-Chloroethoxy)methane | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,4-Dichlorophenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Naphthalene | 96 | J | 89 | J | 100 | J | 130 | J | 95 | J |
| 4-Chloroaniline | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Hexachlorobutadiene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Caprolactam | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 1-Chloro-3-methylphenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2-Methylnaphthalene | 88 | J | 83 | J | 96 | J | 130 | J | 97 | J |
| Hexachlorocyclopentadiene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,4,6-Trichlorophenol | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,4,5-Trichlorophenol | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| 1,1'-Biphenyl | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2-Chloronaphthalene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2-Nitroaniline | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| Dimethylphthalate | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,6-Dinitrotoluene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Acenaphthylene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 3-Nitroaniline | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| Acenaphthene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 2,4-Dinitrophenol | 1100 | UJ | 1100 | UJ | 1100 | UJ | 1100 | UJ | 1100 | U |
| 4-Nitrophenol | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| Dibenzofuran | 64 | J | 430 | U | 51 | J | 92 | J | 49 | J |
| 2,4-Dinitrotoluene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |

SNQ:

B00DF

B00DF

B00DF

B00DF

B00DW

Street Address: Open Lot/Ballfield & Playground
 BNA Results

Dup. of SS-212

| Sample Number : | B00DP | B00DQ | B00DR | B00DT | B00DW | | | | | |
|----------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SS-211 | SS-212 | SS-213 | SS-214 | SS-215 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 14:45 | 15:25 | 15:25 | 15:45 | 16:45 | | | | | |
| %Moisture : | 24 | 23 | 22 | 25 | 27 | | | | | |
| pH : | 7.8 | 7.8 | 7.5 | 7.4 | 8.0 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Diethylphthalate | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Fluorene | 430 | U | 430 | U | 420 | U | 83 | J | 450 | U |
| 4-Chlorophenyl-phenylether | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 4-Nitroaniline | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| 4,6-Dinitro-2-methylphenol | 1100 | U | 1100 | U | 1100 | U | 1100 | U | 1100 | U |
| N-Nitrosodiphenylamine | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 4-Bromophenyl-phenylether | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Hexachlorobenzene | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Airazine | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Pentachlorophenol | 1100 | UJ | 1100 | UJ | 1100 | UJ | 1100 | UJ | 1100 | U |
| Phenanthrene | 750 | | 350 | J | 400 | J | 1100 | | 680 | |
| Anthracene | 160 | J | 72 | J | 77 | J | 210 | J | 120 | J |
| Carbazole | 88 | | 430 | U | 47 | J | 110 | | 76 | |
| Di-n-butylphthalate | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Fluoranthene | 880 | | 560 | | 570 | | 1500 | | 1700 | |
| Pyrene | 750 | | 480 | | 480 | | 1300 | | 1400 | |
| Butylbenzylphthalate | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| 3,3'-Dichlorobenzidine | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Benzo(a)anthracene | 470 | J | 300 | J | 300 | J | 710 | | 1000 | |
| Chrysene | 520 | | 380 | J | 390 | J | 870 | | 1200 | |
| bis(2-Ethylhexyl)phthalate | 170 | J | 870 | | 400 | J | 160 | J | 450 | U |
| Di-n-octylphthalate | 430 | U | 430 | U | 420 | U | 440 | U | 450 | U |
| Benzo(b)fluoranthene | 690 | | 560 | | 600 | | 1100 | | 1500 | |
| Benzo(k)fluoranthene | 370 | J | 280 | J | 300 | J | 680 | | 630 | |
| Benzo(a)pyrene | 470 | | 350 | J | 380 | J | 780 | | 1100 | |
| Indeno(1,2,3-cd)pyrene | 370 | J | 280 | J | 290 | J | 580 | | 540 | |
| Dibenzo(a,h)anthracene | 170 | J | 94 | J | 95 | J | 100 | J | 180 | J |
| Benzo(g,h,i)perylene | 300 | J | 230 | J | 240 | J | 510 | | 520 | |

SDG: B00DF B00DF B00DF B00DF B00DW

Dup. of SS-212

| Sampling Location | SS-211 | | SS-212 | | SS-213 | | SS-214 | | SS-215 | |
|-------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Benzo(a)anthracene | 470 | 47 | 300 | 30 | 300 | 30 | 710 | 71 | 1000 | 100 |
| Chrysene | 520 | 0.52 | 380 | 0.38 | 390 | 0.39 | 870 | 0.87 | 1200 | 1.2 |
| Benzo(b)fluoranthene | 690 | 69 | 560 | 56 | 600 | 60 | 1100 | 110 | 1600 | 160 |
| Benzo(k)fluoranthene | 370 | 3.7 | 280 | 2.8 | 300 | 3 | 680 | 6.8 | 630 | 6.3 |
| Benzo(a)pyrene | 470 | 470 | 350 | 350 | 380 | 380 | 780 | 780 | 1100 | 1100 |
| Indeno(1,2,3-cd)pyrene | 370 | 37 | 280 | 28 | 290 | 29 | 580 | 58 | 540 | 54 |
| Dibenzo(a,h)anthracene | 170 | 170 | 94 | 94 | 95 | 95 | 100 | 100 | 180 | 180 |
| Total BaP equivalents [ug/kg] | | 797.22 | | 561.18 | | 597.39 | | 1126.67 | | 1601.5 |
| Total BaP equivalents [mg/kg] | | 0.797 | | 0.561 | | 0.597 | | 1.127 | | 1.602 |

Street Address: Open Lot/Ballfield & Playground

INA Results

| Sample Number : | B00DX | B00DY | B00DZ | | | |
|------------------------------|------------|------------|----------------------|------|--------|------|
| Sampling Location : | SS-216 | SS-217 | SS-218 | | | |
| Location Within Lot: | Grid | Grid | South of Picnic Area | | | |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | | | |
| Matrix : | Soil | Soil | Soil | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | |
| Time Sampled : | 16:50 | 17:05 | 17:10 | | | |
| %Moisture : | 26 | 13 | 26 | | | |
| pH : | 7.9 | 8.5 | 8.2 | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 450 | U | 380 | U | 450 | U |
| Phenol | 450 | UJ | 380 | UJ | 450 | UJ |
| bis-(2-Chloroethyl) ether | 450 | UJ | 380 | UJ | 450 | UJ |
| 2-Chlorophenol | 450 | U | 380 | U | 450 | U |
| 2-Methylphenol | 450 | U | 380 | U | 450 | U |
| 2,2'-oxybis(1-Chloropropane) | 450 | UJ | 380 | UJ | 450 | UJ |
| Acetophenone | 450 | U | 380 | U | 450 | U |
| 4-Methylphenol | 450 | U | 380 | U | 450 | U |
| N-Nitroso-di-n-propylamine | 450 | UJ | 380 | UJ | 450 | UJ |
| Hexachloroethane | 450 | U | 380 | U | 450 | U |
| Nitrobenzene | 450 | U | 380 | U | 450 | U |
| Phosphorone | 450 | U | 380 | U | 450 | U |
| Nitrophenol | 450 | U | 380 | U | 450 | U |
| 2,4-Dimethylphenol | 450 | U | 380 | U | 450 | U |
| bis(2-Chloroethoxy)methane | 450 | UJ | 380 | UJ | 450 | UJ |
| 2,4-Dichlorophenol | 450 | U | 380 | U | 450 | U |
| Naphthalene | 86 | U | 196 | U | 65 | U |
| 4-Chloroaniline | 450 | U | 380 | U | 450 | U |
| Hexachlorobutadiene | 450 | UJ | 380 | UJ | 450 | UJ |
| Caprolactam | 450 | U | 380 | U | 450 | U |
| 4-Chloro-3-methylphenol | 450 | U | 380 | U | 450 | U |
| 2-Methylnaphthalene | 91 | J | 92 | J | 100 | J |
| Hexachlorocyclopentadiene | 450 | UJ | 380 | UJ | 450 | UJ |
| 2,4,6-Trichlorophenol | 450 | U | 380 | U | 450 | U |
| 2,4,5-Trichlorophenol | 1100 | U | 950 | U | 1100 | U |
| 1,1'-Biphenyl | 450 | U | 380 | U | 450 | U |
| 2-Chloronaphthalene | 450 | U | 380 | U | 450 | U |
| 2-Nitroaniline | 1100 | U | 950 | U | 1100 | U |
| Dimethylphthalate | 450 | U | 380 | U | 450 | U |
| 2,6-Dinitrotoluene | 450 | U | 380 | U | 450 | U |
| Acenaphthylene | 450 | U | 43 | J | 450 | U |
| 3-Nitroaniline | 1100 | U | 950 | U | 1100 | U |
| Acenaphthene | 450 | U | 930 | J | 450 | U |
| 2,4-Dinitrophenol | 1100 | U | 950 | U | 1100 | U |
| 4-Nitrophenol | 1100 | U | 950 | U | 1100 | U |
| Dibenzofuran | 450 | U | 510 | | 47 | J |
| 2,4-Dinitrotoluene | 450 | U | 380 | U | 450 | U |

CG:

B00DW

B00DW

B00DW

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground

BNA Results

| Sample Number : | B00DX | B00DY | B00DZ |
|----------------------|------------|------------|----------------------|
| Sampling Location : | SS-216 | SS-217 | SS-218 |
| Location Within Lot: | Grid | Grid | South of Picnic Area |
| Sampling Depth: | 0-2" | 0-2" | 0-2" |
| Matrix : | Soil | Soil | Soil |
| Units : | ug/Kg | ug/Kg | ug/Kg |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 |
| Time Sampled : | 16:50 | 17:05 | 17:10 |
| %Moisture : | 26 | 13 | 26 |
| pH : | 7.9 | 8.5 | 8.2 |
| Dilution Factor : | 1.0 | 1.0 | 1.0 |

| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag |
|----------------------------|--------|------|--------|------|--------|------|
| Diethylphthalate | 450 | U | 380 | U | 450 | U |
| Fluorene | 450 | U | 940 | | 450 | U |
| 4-Chlorophenyl-phenylether | 450 | U | 380 | U | 450 | U |
| 4-Nitroaniline | 1100 | U | 950 | U | 1100 | U |
| 4,6-Dinitro-2-methylphenol | 1100 | U | 950 | U | 1100 | U |
| N-Nitrosodiphenylamine | 450 | U | 380 | U | 450 | U |
| 4-Bromophenyl-phenylether | 450 | U | 380 | U | 450 | U |
| Hexachlorobenzene | 450 | U | 380 | U | 450 | U |
| Atrazine | 450 | U | 380 | U | 450 | U |
| Pentachlorophenol | 1100 | U | 950 | U | 1100 | U |
| Phenanthrene | 390 | J | 7200 | D | 450 | |
| Anthracene | 70 | J | 2400 | | 77 | J |
| Carbazole | 450 | U | 920 | | 55 | J |
| Di-n-butylphthalate | 450 | U | 380 | U | 450 | U |
| Fluoranthene | 850 | | 3100 | D | 670 | |
| Pyrene | 660 | | 4800 | D | 490 | |
| Burylbenzylphthalate | 450 | U | 380 | U | 450 | U |
| 3,3'-Dichlorobenzidine | 450 | U | 380 | U | 450 | U |
| Benzo(a)anthracene | 480 | J | 2800 | J | 320 | J |
| Chrysene | 520 | | 3300 | J | 360 | J |
| bis(2-Ethylhexyl)phthalate | 1200 | | 380 | U | 600 | U |
| Di-n-octylphthalate | 450 | U | 380 | U | 450 | U |
| Benzo(b)fluoranthene | 600 | | 2700 | D | 440 | J |
| Benzo(k)fluoranthene | 330 | J | 1900 | | 190 | J |
| Benzo(a)pyrene | 470 | | 3100 | J | 290 | J |
| Indeno(1,2,3-cd)pyrene | 250 | J | 1000 | | 150 | J |
| Dibenzo(a,h)anthracene | 77 | J | 280 | U | 70 | J |
| Benzo(g,h,i)perylene | 230 | J | 770 | | 150 | J |

SDG: B00DW B00DW B00DW

| Sampling Location : | SS-216 | SS-217 | SS-218 |
|-------------------------------|---------------|---------------|---------------|
| Carcinogenic PAHs | Conc. BaP/Eq. | Conc. BaP/Eq. | Conc. BaP/Eq. |
| Benzo(a)anthracene | 480 48 | 2800 280 | 320 32 |
| Chrysene | 520 0.52 | 3300 3.3 | 360 0.36 |
| Benzo(b)fluoranthene | 600 60 | 2700 270 | 440 44 |
| Benzo(k)fluoranthene | 330 3.3 | 1900 19 | 190 1.9 |
| Benzo(a)pyrene | 470 470 | 3100 3100 | 290 290 |
| Indeno(1,2,3-cd)pyrene | 250 25 | 1000 100 | 150 15 |
| Dibenzo(a,h)anthracene | 77 77 | 280 280 | 70 70 |
| Total BaP equivalents [ug/kg] | 683.82 | 4052.3 | 453.26 |
| Total BaP equivalents [mg/kg] | 0.684 | 4.052 | 0.453 |

Street Address: Open Lot/Ballfield & Playground
 INA Results

| Sample Number : | B00LM | B00LN | B00LP | B00LQ | B00LR | | | | | |
|------------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | | | | | |
| %Moisture : | 22 | 18 | 28 | 30 | 21 | | | | | |
| pH : | 8.0 | 7.9 | 7.5 | 7.5 | 7.4 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Phenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| bis(2-Chloroethyl) ether | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2-Chlorophenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2-Methylphenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,2'-oxybis(1-Chloropropane) | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Acetophenone | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Methylphenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| N-Nitroso-di-n-propylamine | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Hexachloroethane | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Nitrobenzene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Proporone | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Nitrophenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4-Dimethylphenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| bis(2-Chloroethoxy)methane | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4-Dichlorophenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Naphthalene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Chloroaniline | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Hexachlorobutadiene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Caprolactam | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Chloro-3-methylphenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2-Methylnaphthalene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Hexachlorocyclopentadiene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4,6-Trichlorophenol | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4,5-Trichloropheno | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| 1,1'-Biphenyl | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2-Chloronaphthalene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2-Nitroaniline | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| Dimethylphthalate | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,6-Dinitrotoluene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Acenaphthylene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 3-Nitroaniline | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| Acenaphthene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4-Dinitrophenol | 1100 | R | 1000 | UJ | 1200 | R | 1200 | R | 1100 | R |
| 4-Nitrophenol | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| Dibenzofuran | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 2,4-Dinitrotoluene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |

LOG: B00LB B00LB B00LB B00LB B00LB

Street Address: Open Lot/Ballfield & Playground
 BNA Results

| Sample Number : | B00LM | B00LN | B00LP | B00LQ | B00LR | | | | | |
|----------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | | | | | |
| %Moisture : | 22 | 18 | 28 | 30 | 21 | | | | | |
| pH : | 8.0 | 7.9 | 7.5 | 7.5 | 7.4 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Diethylphthalate | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Fluorene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Chlorophenyl phenylether | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Nitroaniline | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| 4,6-Dinitro-2-methylphenol | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| N-Nitrosodiphenylamine | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 4-Bromophenyl phenylether | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Hexachlorobenzene | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Atrazine | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Pentachlorophenol | 1100 | U | 1000 | U | 1200 | U | 1200 | U | 1100 | U |
| Phenanthrene | 130 | J | 76 | J | 240 | J | 67 | J | 250 | J |
| Anthracene | 420 | U | 400 | U | 48 | J | 470 | U | 49 | J |
| Carbazole | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Di-n-butylphthalate | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Fluoranthene | 230 | J | 170 | J | 410 | J | 110 | J | 510 | J |
| Pyrene | 250 | J | 180 | J | 310 | J | 100 | J | 340 | J |
| Butylbenzylphthalate | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| 3,3'-Dichlorobenzidine | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Benzo(a)anthracene | 160 | J | 120 | J | 220 | J | 60 | J | 220 | J |
| Chrysene | 190 | J | 120 | J | 320 | J | 100 | J | 280 | J |
| bis(2-Ethylhexyl)phthalate | 420 | U | 400 | U | 460 | U | 470 | U | 420 | U |
| Di-n-octylphthalate | 420 | UJ | 400 | U | 460 | UJ | 470 | UJ | 420 | UJ |
| Benzo(b)fluoranthene | 190 | J | 96 | J | 370 | J | 80 | J | 330 | J |
| Benzo(k)fluoranthene | 210 | J | 140 | J | 240 | J | 62 | J | 250 | J |
| Benzo(a)pyrene | 180 | J | 110 | J | 250 | J | 53 | J | 230 | J |
| Indeno(1,2,3-cd)pyrene | 210 | J | 75 | J | 220 | J | 55 | J | 170 | J |
| Dibenzo(a,h)anthracene | 110 | J | 400 | U | 88 | J | 470 | U | 71 | J |
| Benzo(g,h,i)perylene | 150 | J | 48 | J | 170 | J | 95 | J | 94 | J |

SDG: B00LB B00LB B00LB B00LB B00LB

| Sampling Location : | SB-72 | | SB-73 | | SB-74 | | SB-75 | | SB-76 | |
|-------------------------------|-------|---------|-------|---------|-------|---------|-------|---------|-------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Benzo(a)anthracene | 160 | 16 | 120 | 12 | 220 | 22 | 60 | 6 | 220 | 22 |
| Chrysene | 190 | 0.19 | 120 | 0.12 | 320 | 0.32 | 100 | 0.1 | 280 | 0.28 |
| Benzo(b)fluoranthene | 190 | 19 | 96 | 9.6 | 370 | 37 | 80 | 8 | 330 | 33 |
| Benzo(k)fluoranthene | 210 | 2.1 | 140 | 1.4 | 240 | 2.4 | 62 | 0.62 | 250 | 2.5 |
| Benzo(a)pyrene | 180 | 180 | 110 | 110 | 250 | 250 | 53 | 53 | 230 | 230 |
| Indeno(1,2,3-cd)pyrene | 210 | 21 | 75 | 7.5 | 220 | 22 | 55 | 5.5 | 170 | 17 |
| Dibenzo(a,h)anthracene | 110 | 110 | 200 | 200 | 88 | 88 | 235 | 235 | 71 | 71 |
| Total BaP equivalents (ug/kg) | | 348.29 | | 340.62 | | 421.72 | | 308.22 | | 375.78 |
| Total BaP equivalents (mg/kg) | | 0.348 | | 0.341 | | 0.422 | | 0.308 | | 0.376 |

In the above calculation of Benzo(a)pyrene equivalents, one-half the detection limit was used for non-detected results ("U"-qualified data).

Street Address: Open Lot/Ballfield & Playground
 3NA Results

Dup. of SB-347

| Sample Number : | B0299 | | B029B | | B029C | | B029F | | B029G | |
|------------------------------|------------|------|------------|------|------------|------|------------|------|------------|------|
| Sampling Location : | SB-346 | | SB-347 | | SB-348 | | SB-349 | | SB-350 | |
| Location Within Lot: | Grid | | Grid | | Grid | | Grid | | Grid | |
| Sampling Depth: | 6-10" | | 10-14" | | 10-14" | | 16-21" | | 10-14" | |
| Matrix : | Soil | | Soil | | Soil | | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | | ug/Kg | |
| Date Sampled : | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | | 05/19/2000 | |
| Time Sampled : | 11:25 | | 11:45 | | 11:45 | | 11:50 | | 12:05 | |
| %Moisture : | 16 | | 21 | | 22 | | 16 | | 9 | |
| pH : | 7.8 | | 7.6 | | 7.5 | | 7.7 | | 8.2 | |
| Dilution Factor : | 3.0 | | 1.0 | | 1.0 | | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Benzaldehyde | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Phenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| bis(2-Chloroethyl) ether | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2-Chlorophenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2-Methylphenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,2'-oxybis(1-Chloropropane) | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Acetophenone | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Methylphenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| N-Nitrosodimethylamine | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Hexachloroethane | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Nitrobenzene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Isophorone | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Nitrophenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4-Dimethylphenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| bis(2-Chloroethoxy)methane | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4-Dichlorophenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Naphthalene | 350 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Chloroaniline | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Hexachlorobutadiene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Caprolactam | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Chloro-3-methylphenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2-Methylnaphthalene | 180 | J | 420 | U | 420 | U | 390 | U | 360 | U |
| Hexachlorocyclopentadiene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4,6-Trichlorophenol | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4,5-Trichlorophenol | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| 1,1'-Biphenyl | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2-Chloronaphthalene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2-Nitroaniline | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| Dimethylnthalale | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,6-Dinitrotoluene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Acenaphthylene | 200 | J | 420 | U | 420 | U | 390 | U | 360 | U |
| 3-Nitroaniline | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| Acenaphthene | 620 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4-Dinitrophenol | 3000 | R | 1000 | R | 1100 | R | 990 | R | 910 | U |
| 4-Nitrophenol | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| Dibenzofuran | 470 | J | 420 | U | 420 | U | 390 | U | 360 | U |
| 2,4-Dinitrotoluene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |

COG:

B00DF

B00DF

B00DF

B00DF

B00DW

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
 BNA Results

Dup. of SB-347

| Sample Number : | B0299 | B029B | B029C | B029F | B029G |
|----------------------|------------|------------|------------|------------|------------|
| Sampling Location : | SB-346 | SB-347 | SB-348 | SB-349 | SB-350 |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid |
| Sampling Depth: | 6-10" | 10-14" | 10-14" | 16-21" | 10-14" |
| Matrix : | Soil | Soil | Soil | Soil | Soil |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 |
| Time Sampled : | 11:25 | 11:45 | 11:45 | 11:50 | 12:05 |
| %Moisture : | 16 | 21 | 22 | 16 | 9 |
| pH : | 7.8 | 7.6 | 7.5 | 7.7 | 8.2 |
| Dilution Factor : | 3.0 | 1.0 | 1.0 | 1.0 | 1.0 |

| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
|----------------------------|--------|------|--------|------|--------|------|--------|------|--------|------|
| Diethylphthalate | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Fluorene | 700 | J | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Chlorophenyl phenylether | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Nitroaniline | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| 4,6-Dinitro-2-methylphenol | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| N-Nitrosodiphenylamine | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 4-Bromophenyl phenylether | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Hexachlorobenzene | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Atrazine | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Pentachlorophenol | 3000 | U | 1000 | U | 1100 | U | 990 | U | 910 | U |
| Phenanthrene | 6100 | J | 150 | J | 130 | J | 130 | J | 910 | J |
| Anthracene | 1700 | J | 420 | U | 420 | U | 390 | U | 58 | J |
| Carbazole | 680 | J | 420 | U | 420 | U | 390 | U | 360 | U |
| Di-n-butylphthalate | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Fluoranthene | 8400 | J | 290 | J | 350 | J | 340 | J | 330 | J |
| Pyrene | 6200 | J | 210 | J | 310 | J | 270 | J | 400 | J |
| Butybenzylphthalate | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| 3,3'-Dichlorobenzidine | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Benzo(a)anthracene | 3400 | J | 150 | J | 220 | J | 200 | J | 250 | J |
| Chrysene | 3300 | J | 190 | J | 290 | J | 240 | J | 320 | J |
| bis(2-Ethylhexyl)phthalate | 190 | J | 110 | J | 140 | J | 65 | J | 350 | J |
| Di-n-octylphthalate | 1200 | U | 420 | U | 420 | U | 390 | U | 360 | U |
| Benzo(b)fluoranthene | 2700 | J | 150 | J | 270 | J | 160 | J | 410 | J |
| Benzo(k)fluoranthene | 2500 | J | 180 | J | 260 | J | 210 | J | 190 | J |
| Benzo(a)pyrene | 2800 | J | 140 | J | 270 | J | 170 | J | 250 | J |
| Indeno(1,2,3-cd)pyrene | 2100 | J | 120 | J | 220 | J | 110 | J | 85 | J |
| Dibenzo(a,h)anthracene | 930 | J | 210 | J | 79 | J | 195 | J | 52 | J |
| Benzo(g,h,i)perylene | 1700 | J | 110 | J | 180 | J | 91 | J | 100 | J |

SDG: B00DF B00DF B00DF B00DF B00DW

Dup. of SB-347

| Sampling Location : | SB-346 | | SB-347 | | SB-348 | | SB-349 | | SB-350 | |
|-------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Benzo(a)anthracene | 3400 | 340 | 150 | 15 | 220 | 22 | 200 | 20 | 250 | 25 |
| Chrysene | 3300 | 3.3 | 190 | 0.19 | 290 | 0.29 | 240 | 0.24 | 320 | 0.32 |
| Benzo(b)fluoranthene | 2700 | 270 | 150 | 15 | 270 | 27 | 160 | 16 | 410 | 41 |
| Benzo(k)fluoranthene | 2500 | 25 | 180 | 1.8 | 260 | 2.6 | 210 | 2.1 | 190 | 1.9 |
| Benzo(a)pyrene | 2800 | 2800 | 140 | 140 | 270 | 270 | 170 | 170 | 250 | 250 |
| Indeno(1,2,3-cd)pyrene | 2100 | 210 | 120 | 12 | 220 | 22 | 110 | 11 | 85 | 8.5 |
| Dibenzo(a,h)anthracene | 930 | 930 | 210 | 210 | 79 | 79 | 195 | 195 | 52 | 52 |
| Total BaP equivalents [ug/kg] | | 4578.3 | | 393.99 | | 422.89 | | 414.34 | | 378.72 |
| Total BaP equivalents [mg/kg] | | 4.578 | | 0.394 | | 0.423 | | 0.414 | | 0.379 |

In the above calculation of Benzo(a)pyrene equivalents, one-half the detection limit was used for non-detected results ("U"-qualified data).

Street Address: Open Lot/Ballfield & Playground

IA Results

| Sample Number : | B029H | B029J | B029K | B029N | B029P | | | | | |
|------------------------------|------------|------------|------------|------------|------------|------|--------|------|-----|---|
| Sampling Location : | SB-351 | SB-352 | SB-353 | SB-354 | SB-355 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 10-15" | 20-25" | 7-11" | 11-14" | 13-18" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 14:30 | 15:10 | 15:55 | 16:05 | 17:00 | | | | | |
| %Moisture : | 16 | 16 | 20 | 13 | 10 | | | | | |
| pH : | 8.5 | 8.6 | 8.5 | 8.5 | 8.5 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | | | | | |
| Semivolatle Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | | |
| Benzaldehyde | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Phenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| bis(2-Chloroethyl) ether | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2-Chlorophenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2-Methylphenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2,2'-oxybis(1-Chloropropane) | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Acetophenone | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 4-Methylphenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| N-Nitrosodimethylamine | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Hexachloroethane | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Nitrobenzene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Chlorophenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2,4-Dimethylphenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| bis(2-Chloroethoxy)methane | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2,4-Dichlorophenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Naphthalene | 120 | J | 390 | U | 67 | J | 760 | U | 370 | U |
| 4-Chloroaniline | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Hexachlorobutadiene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Caprolactam | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 4-Chloro-3-methylphenol | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2-Methylnaphthalene | 120 | J | 390 | U | 55 | J | 760 | U | 370 | U |
| Hexachlorocyclopentadiene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2,4,6-Trichlorophenol | 390 | U | 390 | U | 410 | U | 1900 | U | 920 | U |
| 2,4,5-Trichlorophenol | 390 | U | 390 | U | 1000 | U | 760 | U | 370 | U |
| 1,1'-Biphenyl | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2-Chloronaphthalene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2-Nitroaniline | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| Dimethylphthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 2,6-Dinitrotoluene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Acenaphthylene | 110 | J | 390 | U | 45 | J | 760 | U | 370 | U |
| 3-Nitroaniline | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| Acenaphthene | 340 | J | 390 | U | 140 | J | 760 | U | 370 | U |
| 2,4-Dinitrophenol | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| 4-Nitrophenol | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| Dibenzofuran | 280 | J | 390 | U | 100 | J | 760 | U | 370 | U |
| 2,4-Dinitrotoluene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |

B00DW

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Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
 BNA Results

| Sample Number : | B029H | B029J | B029K | B029N | B029P | | | | | |
|----------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-351 | SB-352 | SB-353 | SB-354 | SB-355 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 10-15" | 20-25" | 7-11" | 11-14" | 13-18" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 14:30 | 15:10 | 15:55 | 16:05 | 17:00 | | | | | |
| %Moisture : | 16 | 18 | 20 | 13 | 10 | | | | | |
| pH : | 8.5 | 8.6 | 8.5 | 8.5 | 8.5 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 2.0 | 1.0 | | | | | |
| Semivolatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dibenzophthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Fluorene | 380 | J | 390 | U | 130 | J | 760 | U | 370 | U |
| 4-Chlorophenylphenylether | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 4-Nitroaniline | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| 4,6-Dinitro-2-methylphenol | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| N-Nitrosodiphenylamine | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 4-Bromophenylphenylether | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Hexachlorobenzene | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Atrazine | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Pentachlorophenol | 990 | U | 990 | U | 1000 | U | 1900 | U | 920 | U |
| Phenanthrene | 2800 | D | 390 | U | 1400 | J | 670 | J | 120 | J |
| Anthracene | 740 | J | 390 | U | 270 | J | 170 | J | 370 | U |
| Carbazole | 300 | U | 390 | U | 740 | J | 760 | U | 370 | U |
| Di-n-butylphthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Fluoranthene | 2700 | D | 95 | J | 1900 | J | 1200 | J | 200 | J |
| Pyrene | 2600 | D | 82 | J | 1400 | J | 830 | J | 140 | J |
| Bis(2-ethylhexyl)phthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| 3,3'-Dichlorobenzidine | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Benzo(a)anthracene | 1400 | J | 67 | J | 840 | J | 680 | J | 110 | J |
| Chrysene | 1300 | J | 70 | J | 880 | J | 620 | J | 110 | J |
| bis(2-Ethylhexyl)phthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Di-n-octylphthalate | 390 | U | 390 | U | 410 | U | 760 | U | 370 | U |
| Benzo(b)fluoranthene | 1600 | J | 94 | J | 1100 | J | 880 | J | 160 | J |
| Benzo(k)fluoranthene | 770 | J | 390 | U | 530 | J | 390 | J | 51 | J |
| Benzo(a)pyrene | 1200 | J | 71 | J | 800 | J | 620 | J | 95 | J |
| Indeno(1,2,3-cd)pyrene | 310 | J | 390 | U | 320 | J | 210 | J | 56 | J |
| Dibenzo(a,h)anthracene | 110 | J | 390 | U | 88 | J | 380 | J | 370 | J |
| Benzo(g,h,i)perylene | 260 | J | 390 | U | 270 | J | 190 | J | 55 | J |

SDG: B00DW B00DW B00DW B00DW B00DW

| Sampling Location | SB-351 | | SB-352 | | SB-353 | | SB-354 | | SB-355 | |
|-------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Benzo(a)anthracene | 1400 | 140 | 67 | 6.7 | 840 | 84 | 680 | 68 | 110 | 11 |
| Chrysene | 1300 | 1.3 | 70 | 0.07 | 880 | 0.88 | 620 | 0.62 | 110 | 0.11 |
| Benzo(b)fluoranthene | 1600 | 160 | 94 | 9.4 | 1100 | 110 | 880 | 88 | 160 | 16 |
| Benzo(k)fluoranthene | 770 | 7.7 | 195 | 1.95 | 530 | 5.3 | 390 | 3.9 | 51 | 0.51 |
| Benzo(a)pyrene | 1200 | 1200 | 71 | 71 | 800 | 800 | 620 | 620 | 95 | 95 |
| Indeno(1,2,3-cd)pyrene | 310 | 31 | 195 | 19.5 | 320 | 32 | 210 | 21 | 56 | 5.6 |
| Dibenzo(a,h)anthracene | 110 | 110 | 195 | 195 | 88 | 88 | 380 | 380 | 185 | 185 |
| Total BaP equivalents [ug/kg] | | 1650 | | 303.62 | | 1120.18 | | 1181.52 | | 313.22 |
| Total BaP equivalents [mg/kg] | | 1.650 | | 0.304 | | 1.120 | | 1.182 | | 0.313 |

In the above calculation of Benzo(a)pyrene equivalents, one-half the detection limit was used for non-detected results ('U'-qualified data).

Street Address: Open Lot/Ballfield & Playground

3NA Results

Dup. of SB356

| Sample Number : | B029Q | B029T | | |
|----------------------------|----------------------|----------------------|--------|------|
| Sampling Location : | SB-356 | SB-357 | | |
| Location Within Lot : | South of Picnic Area | South of Picnic Area | | |
| Sampling Depth: | 9-14" | 9-14" | | |
| Matrix : | Soil | Soil | | |
| Units : | ug/Kg | ug/Kg | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | | |
| Time Sampled : | 17:10 | 17:10 | | |
| %Moisture : | 21 | 15 | | |
| pH : | 7.9 | 7.9 | | |
| Dilution Factor : | 1.0 | 1.0 | | |
| Semivolatile Compound | Result | Flag | Result | Flag |
| Diethylphthalate | 420 | U | 390 | U |
| Fluorene | 420 | U | 390 | U |
| 4-Chlorophenylphenylether | 420 | U | 390 | U |
| 4-Nitroaniline | 1100 | U | 980 | U |
| 2,6-Dinitro-2-methylphenol | 1100 | U | 980 | U |
| N-Nitrosodiphenylamine | 420 | U | 390 | U |
| 2-Bromophenylphenylether | 420 | U | 390 | U |
| Hexachlorobenzene | 420 | U | 390 | U |
| Atrazine | 420 | U | 390 | U |
| Pentachlorophenol | 1100 | U | 980 | U |
| Phenanthrene | 300 | J | 210 | J |
| Anthracene | 420 | U | 390 | U |
| Indazole | 420 | U | 390 | U |
| U-n-butylphthalate | 420 | U | 390 | U |
| Fluoranthene | 500 | J | 360 | J |
| Pyrene | 340 | J | 240 | J |
| Butylbenzylphthalate | 420 | U | 390 | U |
| 3,3'-Dichlorobenzidine | 420 | U | 390 | U |
| Benzo(a)anthracene | 240 | J | 150 | J |
| Chrysene | 260 | J | 180 | J |
| bis(2-Ethylhexyl)phthalate | 420 | U | 390 | U |
| Di-n-octylphthalate | 420 | U | 390 | U |
| Benzo(b)fluoranthene | 380 | J | 210 | J |
| Benzo(k)fluoranthene | 130 | J | 100 | J |
| Benzo(a)pyrene | 230 | J | 140 | J |
| Indeno(1,2,3-cd)pyrene | 110 | J | 72 | J |
| Dibenzo(a,h)anthracene | 420 | U | 390 | U |
| Benzo(g,h,i)perylene | 110 | J | 70 | J |

SDG: B00DW B00DW

Dup. of SB356

| Sampling Location | SB-356 | | SB-357 | |
|-------------------------------|--------|---------|--------|---------|
| | Conc. | BaP Eq. | Conc. | BaP Eq. |
| Carcinogenic PAHs | | | | |
| Benzo(a)anthracene | 240 | 24 | 150 | 15 |
| Chrysene | 260 | 0.26 | 180 | 0.18 |
| Benzo(b)fluoranthene | 380 | 38 | 210 | 21 |
| Benzo(k)fluoranthene | 130 | 1.3 | 100 | 1 |
| Benzo(a)pyrene | 230 | 230 | 140 | 140 |
| Indeno(1,2,3-cd)pyrene | 110 | 11 | 72 | 7.2 |
| Dibenzo(a,h)anthracene | 210 | 210 | 195 | 195 |
| Total BaP equivalents [ug/kg] | | 514.56 | | 379.38 |
| Total BaP equivalents [mg/kg] | | 0.515 | | 0.379 |

In the above calculation of Benzo(a)pyrene equivalents, one-half the detection limit was used for non-detected results ('U'-qualified data).

Street Address: Open Lot/Ballfield & Playground
 BNA Results

Dup. of SB356

| Sample Number : | B029Q | | B029T | |
|------------------------------|----------------------|------|----------------------|------|
| Sampling Location : | SB-356 | | SB-357 | |
| Location Within Lot: | South of Picnic Area | | South of Picnic Area | |
| Sampling Depth: | 9-14" | | 9-14" | |
| Matrix : | Soil | | Soil | |
| Units : | ug/Kg | | ug/Kg | |
| Date Sampled : | 05/19/2000 | | 05/19/2000 | |
| Time Sampled : | 17:10 | | 17:10 | |
| %Moisture : | 21 | | 15 | |
| pH : | 7.9 | | 7.9 | |
| Dilution Factor : | 1.0 | | 1.0 | |
| Semivolatile Compound | Result | Flag | Result | Flag |
| Benzaldehyde | 420 | U | 390 | U |
| Phenol | 420 | U | 390 | U |
| bis(2-Chloroethyl) ether | 420 | U | 390 | U |
| 2-Chlorophenol | 420 | U | 390 | U |
| 2-Methylphenol | 420 | U | 390 | U |
| 2,2'-oxybis(1-Chloropropane) | 420 | U | 390 | U |
| Acetophenone | 420 | U | 390 | U |
| 4-Methylphenol | 89 | J | 70 | J |
| N-Nitroso-d-n-propylamine | 420 | U | 390 | U |
| Hexachloroethane | 420 | U | 390 | U |
| Nitrobenzene | 420 | U | 390 | U |
| Isophorone | 420 | U | 390 | U |
| 2-Nitrophenol | 420 | U | 390 | U |
| 2,4-Dimethylphenol | 420 | U | 390 | U |
| bis(2-Chloroethoxy)methane | 420 | U | 390 | U |
| 2,4-Dichlorophenol | 420 | U | 390 | U |
| Naphthalene | 420 | U | 390 | U |
| 4-Chloroaniline | 420 | U | 390 | U |
| Hexachlorobutadiene | 420 | U | 390 | U |
| Caprolactam | 420 | U | 390 | U |
| 4-Chloro-3-methylphenol | 420 | U | 390 | U |
| 2-Methylnaphthalene | 46 | J | 390 | U |
| Hexachlorocyclopentadiene | 420 | U | 390 | U |
| 2,4,6-Trichlorophenol | 420 | U | 390 | U |
| 2,4,5-Trichlorophenol | 1100 | U | 980 | U |
| 1,1'-Biphenyl | 420 | U | 390 | U |
| 2-Chloronaphthalene | 420 | U | 390 | U |
| 2-Nitroaniline | 1100 | U | 980 | U |
| Dimethylphthalate | 420 | U | 390 | U |
| 2,6-Dinitrotoluene | 420 | U | 390 | U |
| Acenaphthylene | 420 | U | 390 | U |
| 3-Nitroaniline | 1100 | U | 980 | U |
| Acenaphthene | 420 | U | 390 | U |
| 2,4-Dinitrophenol | 1100 | U | 980 | U |
| 4-Nitrophenol | 1100 | U | 980 | U |
| Dibenzofuran | 420 | U | 390 | U |
| 2,4-Dinitrotoluene | 420 | U | 390 | U |

SDG:

B00DW

B00DW

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: City Lots - 353 Germania: Ballfields/Playground
 iorganics Results

| Sample Number : | MBTS28 | MBTS30 | MBTS31 | MBTS32 | MBTS33 | | | | | |
|----------------------|------------|------------|-----------------------|---------------------|------------|------|--------|------|--------|------|
| Sampling Location : | SS-90 | SS-92 | SS-93 | SS-94 | SS-95 | | | | | |
| Location Within Lot: | Grid | Grid | Home Plate (S. Field) | 1st Base (N. Field) | Grid | | | | | |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:20 | 12:30 | 16:05 | 16:15 | 17:15 | | | | | |
| %Solids : | 76.2 | 73.9 | 86.7 | 74.3 | 91.9 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 3900 | | 6710 | | 6070 | | 7510 | | 5960 | |
| ANTIMONY | 1.4 | B | 3.0 | B | 0.46 | B | 0.41 | U | 0.35 | U |
| ARSENIC | 63.3 | J | 303 | J | 5.7 | J | 9.9 | J | 6.1 | J |
| BARIUM | 42.9 | B | 103 | | 39.7 | B | 48.7 | B | 59.2 | |
| BERYLLIUM | 0.43 | B | 0.68 | B | 0.39 | B | 0.52 | B | 0.49 | B |
| CADMIUM | 0.61 | B | 1.1 | B | 0.050 | U | 0.050 | U | 0.090 | B |
| CALCIUM | 121000 | | 5650 | | 61400 | | 42500 | | 4980 | |
| CHROMIUM | 14.9 | | 24.0 | | 8.6 | | 12.7 | | 10.6 | |
| COBALT | 4.3 | B | 7.7 | B | 6.6 | B | 8.3 | B | 4.7 | B |
| COPPER | 27.2 | J | 50.5 | J | 19.3 | J | 28.3 | J | 17.1 | J |
| CAD | 12400 | | 21800 | | 13100 | | 17600 | | 12500 | |
| LEAD | 125 | | 240 | | 21.3 | | 26.0 | | 69.5 | |
| MAGNESIUM | 6680 | | 2940 | | 33300 | | 17200 | | 2310 | |
| MANCANESE | 749 | | 626 | | 438 | | 465 | | 290 | |
| MERCURY | 0.43 | J | 0.23 | J | 0.060 | BJ | 0.14 | J | 0.22 | J |
| NICKEL | 12.3 | | 22.1 | | 12.7 | | 19.5 | | 11.6 | |
| POTASSIUM | 845 | B | 779 | B | 1220 | J | 1050 | B | 547 | B |
| SELENIUM | 0.44 | U | 0.45 | U | 0.38 | U | 0.44 | U | 0.72 | B |
| SILVER | 0.070 | B | 0.40 | B | 0.050 | U | 0.050 | U | 0.050 | B |
| SODIUM | 177 | B | 119 | B | 94.8 | B | 145 | B | 87.2 | U |
| THALLIUM | 0.60 | U | 0.61 | U | 0.52 | U | 0.60 | U | 0.50 | U |
| VANADIUM | 12.6 | B | 21.7 | | 12.5 | | 16.2 | | 12.0 | |
| ZINC | 154 | | 348 | | 106 | | 110 | | 115 | |
| CYANIDE | 0.94 | B | 0.47 | B | 0.24 | U | 0.32 | B | 0.22 | U |

SDG: MBTS25 MBTS25 MBTS25 MBTS25 MBTS25

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
Pesticides/PCB Results

| Sample Number : | B00LM | B00LN | B00LP | B00LQ | B00LR | | | | | |
|------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | | | | | |
| %Moisture : | 22 | 18 | 28 | 30 | 21 | | | | | |
| pH : | 8.0 | 7.9 | 7.5 | 7.5 | 7.4 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| beta-BHC | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| delta-BHC | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| gamma-BHC (Lindane) | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Heptachlor | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Aldrin | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Heptachlor epoxide | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Endosulfan I | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Dieldrin | 4.2 | U | 4.0 | U | 4.6 | U | 4.7 | U | 4.2 | U |
| 4,4'-DDE | 4.2 | U | 0.63 | J | 4.6 | U | 4.7 | U | 4.2 | U |
| Endrin | 4.2 | U | 4.0 | U | 4.6 | U | 4.7 | U | 4.2 | U |
| Endosulfan II | 4.2 | U | 4.0 | U | 4.6 | U | 4.7 | U | 4.2 | U |
| 4,4'-DDD | 4.2 | U | 4.0 | U | 4.6 | U | 4.7 | U | 4.2 | U |
| Endosulfan sulfate | 4.2 | U | 4.0 | U | 4.6 | U | 4.7 | U | 4.2 | U |
| 4,4'-DDT | 0.43 | J | 4.0 | U | 1.1 | J | 4.7 | U | 0.49 | J |
| Methoxychlor | 22 | U | 21 | U | 24 | U | 24 | U | 2.7 | J |
| Endrin ketone | 4.2 | U | 4.0 | U | 2.0 | U | 4.7 | U | 4.2 | U |
| Endrin aldehyde | 4.2 | U | 0.39 | J | 4.6 | U | 4.7 | U | 4.2 | U |
| alpha-Chlordane | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| gamma-Chlordane | 2.2 | U | 2.1 | U | 2.4 | U | 2.4 | U | 2.2 | U |
| Toxaphene | 220 | U | 210 | U | 240 | U | 240 | U | 220 | U |
| Aroclor-1016 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |
| Aroclor-1221 | 86 | U | 82 | U | 93 | U | 96 | U | 85 | U |
| Aroclor-1232 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |
| Aroclor-1242 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |
| Aroclor-1248 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |
| Aroclor-1254 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |
| Aroclor-1260 | 42 | U | 40 | U | 46 | U | 47 | U | 42 | U |

SDG: B00LB B00LB B00LB B00LB B00LB

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: City Lots - 353 Germania: Ballfields/Playground

Pesticides/PCB Results

| Sample Number : | BZL93 | BZL95 | BZL96 | BZL97 | BZL98 | | | | | |
|------------------------|------------|------------|-----------------------|---------------------|------------|------|--------|------|--------|------|
| Sampling Location : | SS-90 | SS-92 | SS-93 | SS-94 | SS-95 | | | | | |
| Location Within Lot: | Grid | Grid | Home Plate (S. Field) | 1st Base (N. Field) | Grid | | | | | |
| Sampling Depth: | 0-2" | 0-2" | 0-2" | 0-2" | 0-2" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:20 | 12:30 | 16:05 | 16:15 | 17:15 | | | | | |
| %Moisture : | 26 | 22 | 15 | 12 | 24 | | | | | |
| pH : | 7.3 | 7.4 | 7.8 | 7.8 | 7.2 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Pesticide/PCB Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| alpha-BHC | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| beta-BHC | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| delta-BHC | 2.3 | U | 2.2 | U | 2.0 | U | 0.13 | J | 2.2 | U |
| gamma-BHC (Lindane) | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Heptachlor | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Aldrin | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Heptachlor epoxide | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Endosulfan I | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Endrin | 4.5 | U | 4.2 | U | 3.9 | U | 3.8 | U | 4.3 | U |
| p,p'-DDE | 55 | | 79 | | 13 | | 14 | | 3.2 | J |
| Endrin | 4.5 | U | 4.2 | U | 3.9 | U | 3.8 | U | 4.3 | U |
| Endosulfan II | 4.5 | U | 4.2 | U | 3.9 | U | 3.8 | U | 4.3 | U |
| 1,1'-DDD | 4.5 | U | 4.2 | U | 1.8 | J | 3.6 | U | 4.3 | U |
| Endosulfan sulfate | 1.7 | J | 2.6 | J | 3.9 | U | 0.38 | J | 4.3 | U |
| 1,1'-DDT | 33 | | 80 | | 11 | | 15 | | 3.8 | J |
| Methoxychlor | 23 | U | 22 | U | 20 | U | 19 | U | 22 | U |
| Endrin ketone | 4.5 | U | 4.2 | U | 3.9 | U | 3.8 | U | 4.3 | U |
| Endrin aldehyde | 4.5 | U | 4.2 | U | 0.26 | J | 3.8 | U | 4.3 | U |
| alpha-Chlordane | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| gamma-Chlordane | 2.3 | U | 2.2 | U | 2.0 | U | 1.9 | U | 2.2 | U |
| Toxaphene | 230 | U | 220 | U | 200 | U | 190 | U | 220 | U |
| Aroclor-1016 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |
| Aroclor-122 | 90 | U | 86 | U | 79 | U | 76 | U | 88 | U |
| Aroclor-1232 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |
| Aroclor-1242 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |
| Aroclor-1248 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |
| Aroclor-1254 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |
| Aroclor-1260 | 45 | U | 42 | U | 39 | U | 38 | U | 43 | U |

SDG: B00LB B00LB B00LB B00LB B00LB

Street Address:
Volatiles Results

City Lots - 353 Germania: Ballfields/Playground

| Sample Number : | B00LM | B00LN | B00LP | B00LQ | B00LR | | | | | |
|---------------------------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | ug/Kg | ug/Kg | ug/Kg | ug/Kg | ug/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | | | | | |
| %Moisture : | 22 | 18 | 28 | 30 | 21 | | | | | |
| pH : | | | | | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| Volatile Compound | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| Dichlorodifluoromethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Chloromethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Vinyl Chloride | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Bromomethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Chloroethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Trichlorofluoromethane | 2 | J | 1 | J | 2 | J | 18 | U | 8 | J |
| 1,1-Dichloroethene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Acetone | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Carbon Disulfide | 11 | U | 11 | U | 14 | U | 2 | J | 21 | U |
| Methyl Acetate | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Methylene Chloride | 14 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| trans-1,2-Dichloroethene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Methyl tert-Butyl Ether | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 1,1-Dichloroethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| cis-1,2-Dichloroethene | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 2-Butanone | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Chloroform | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 1,1,2-Trichloroethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Cyclohexane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Carbon Tetrachloride | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Benzene | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 1,2-Dichloroethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Trichloroethene | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Methylcyclohexane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,2-Dichloropropane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Bromodichloromethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| cis-1,3-Dichloropropene | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 4-Methyl-2-pentanone | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Toluene | 1 | J | 1 | J | 14 | U | 5 | J | 3 | J |
| trans-1,3-Dichloropropene | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 1,1,2-Trichloroethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Tetrachloroethene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 2-Hexanone | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Dibromochloromethane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,2-Dibromoethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Chlorobenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Ethylbenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Xylenes (total) | 11 | U | 11 | U | 14 | U | 5 | J | 21 | U |
| Styrene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| Bromoform | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| Isopropylbenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,1,2,2-Tetrachloroethane | 11 | U | 11 | U | 14 | U | 18 | U | 21 | U |
| 1,3-Dichlorobenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,4-Dichlorobenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,2-Dichlorobenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,2-Dibromo-3-chloropropane | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |
| 1,2,4-Trichlorobenzene | 11 | U | 11 | U | 14 | U | 16 | U | 21 | U |

SDG:

B00LB

B00LB

B00LB

B00LB

B00LB

Street Address: Open Lot/Ballfield & Playground
 Inorganics Results

| Sample Number : | MB004X | MB004Y | MB004Z | MB0050 | MB0051 | | | | | |
|----------------------|------------|------------|------------|------------|------------|------|--------|------|--------|------|
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | | | | | |
| %Solids : | 77.3 | 82.0 | 71.9 | 71.2 | 67.6 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| ALUMINUM | 11800 | | 6760 | | 11500 | | 8520 | | 13100 | |
| ANTIMONY | 0.41 | U | 0.39 | U | 0.43 | U | 0.45 | U | 0.89 | B |
| ARSENIC | 8.3 | J | 5.0 | J | 24.0 | J | 11.1 | J | 14.7 | J |
| BARIUM | 126 | | 1640 | | 132 | | 78.3 | | 185 | |
| BERYLLIUM | 1.1 | B | 0.43 | B | 0.96 | B | 0.65 | B | 1.0 | B |
| CADMIUM | 0.050 | U | 0.050 | U | 0.14 | J | 0.49 | B | 0.060 | U |
| CALCIUM | 45800 | | 65400 | | 6420 | | 5730 | | 6670 | |
| CHROMIUM | 8.9 | | 8.9 | | 24.5 | | 52.7 | | 24.7 | |
| COBALT | 7.2 | B | 5.5 | B | 12.9 | B | 9.5 | B | 14.2 | B |
| COPPER | 18.6 | J | 17.5 | J | 59.7 | J | 30.0 | J | 47.7 | J |
| IRON | 14900 | | 11300 | | 54800 | | 22200 | | 34800 | |
| LEAD | 27.1 | | 34.6 | | 30.4 | | 27.1 | | 138 | |
| MAGNESIUM | 10700 | | 17100 | | 4010 | | 3720 | | 5150 | |
| MANGANESE | 738 | | 370 | | 781 | | 548 | | 496 | |
| MERCURY | 0.15 | J | 0.19 | J | 0.48 | J | 1.8 | J | 0.15 | J |
| NICKEL | 16.5 | | 11.7 | | 30.6 | | 24.6 | | 32.9 | |
| POTASSIUM | 1080 | B | 1140 | B | 1010 | B | 936 | B | 1270 | B |
| SELENIUM | 0.44 | U | 0.41 | U | 0.86 | B | 0.48 | U | 0.50 | U |
| SILVER | 0.050 | U | 0.050 | U | 1.0 | B | 0.070 | B | 0.41 | B |
| SODIUM | 225 | B | 165 | B | 108 | U | 112 | U | 157 | B |
| THALLIUM | 0.60 | U | 0.56 | U | 0.62 | U | 0.65 | U | 0.68 | U |
| VANADIUM | 13.3 | | 13.3 | | 22.9 | | 17.9 | | 24.8 | |
| ZINC | 58.0 | | 48.0 | | 576 | | 199 | | 287 | |
| CYANIDE | 0.27 | U | 0.25 | U | 0.40 | B | 0.29 | U | 0.31 | U |

SDG: MBTS25 MBTS25 MBTS25 MBTS25 MBTS25 MBTS25

Abby Street/Hickory Woods Subdivision Site

Buffalo, NY

Street Address: Open Lot/Ballfield & Playground
Additional Lead and Arsenic Results

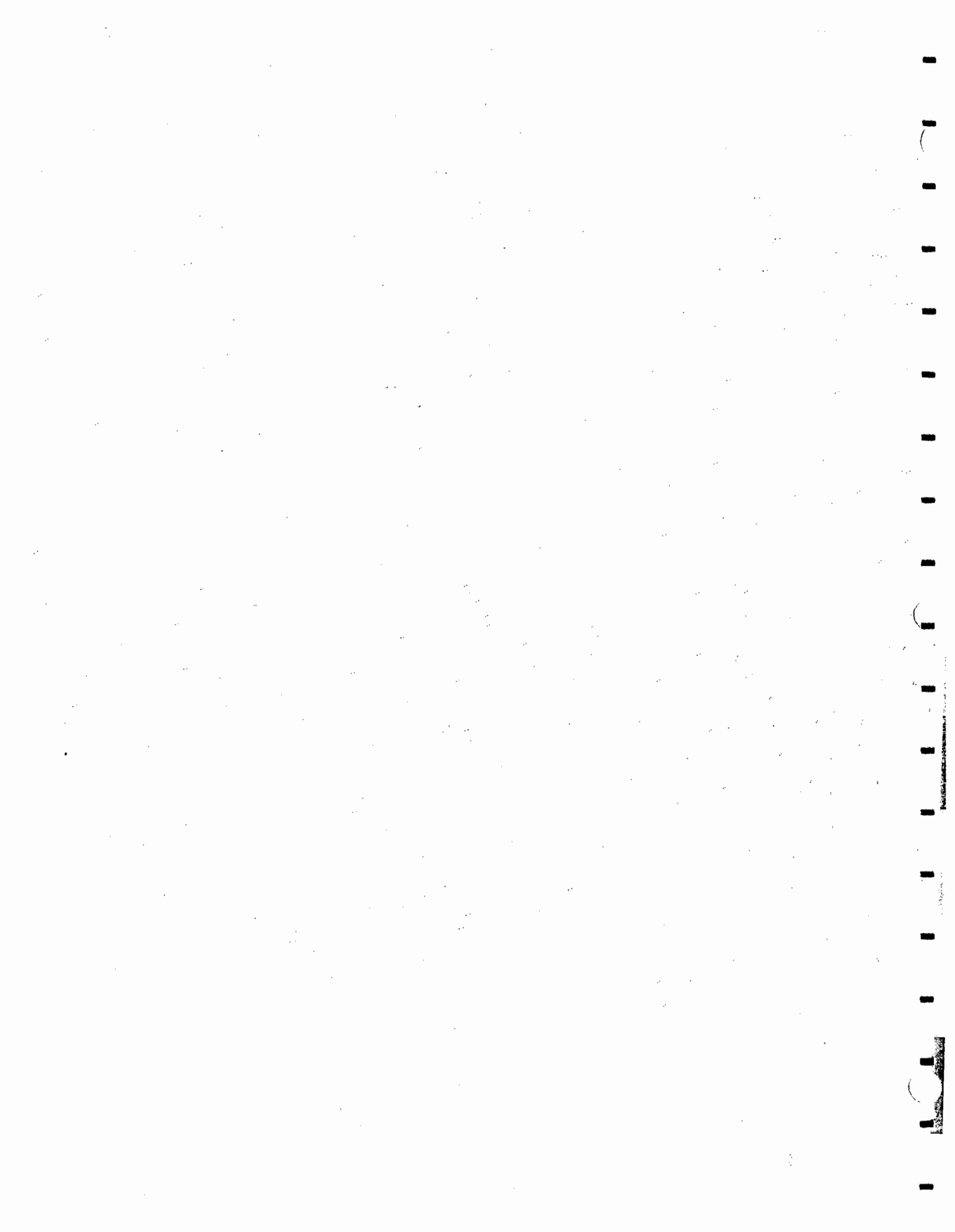
| | | | | | | | | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|--------|------|--------|------|--------|------|
| Sample Number : | MB00LM | MB00LN | MB00LP | MB00LQ | MB00LR | MB0299 | | | | | | |
| Sampling Location : | SB-72 | SB-73 | SB-74 | SB-75 | SB-76 | SB-346 | | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | Grid | | | | | | |
| Sampling Depth: | 37-45" | 28-37" | 33-41" | 44-54" | 6-12" | 6-10" | | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | Soil | | | | | | |
| Units : | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | | |
| Time Sampled : | 12:30 | 14:45 | 15:25 | 16:25 | 17:15 | 11:25 | | | | | | |
| %Solids : | 77.6 | 82.2 | 72.2 | 69.5 | 78.5 | 84.1 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| LEAD | 22.9 | | 38.3 | | 28.4 | | 56.8 | | 95.7 | | 322 | |
| ARSENIC | 5.6 | | 5.5 | | 29.4 | | 65.7 | | 11.0 | | 26.4 | |
| SDG: | MB00F5 | MB00F5 | MB00F5 | MB00F5 | MB00DH | MB00F5 | | | | | | |

Dup. of SB-347

| | | | | | | | | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|--------|------|--------|------|--------|------|
| Sample Number : | MB029B | MB029C | MB029F | MB029G | MB029H | MB029J | | | | | | |
| Sampling Location : | SB-347 | SB-348 | SB-349 | SB-350 | SB-351 | SB-352 | | | | | | |
| Location Within Lot: | Grid | Grid | Grid | Grid | Grid | Grid | | | | | | |
| Sampling Depth: | 10-14" | 10-14" | 16-21" | 10-14" | 10-15" | 20-25" | | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | Soil | | | | | | |
| Units : | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | | |
| Time Sampled : | 11:45 | 11:45 | 11:50 | 12:05 | 14:30 | 15:10 | | | | | | |
| %Solids : | 79.2 | 78.3 | 83.9 | 91.4 | 83.9 | 83.7 | | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| LEAD | 62.9 | | 17.2 | | 16.5 | | 84.1 | | 75.0 | | 109.0 | |
| ARSENIC | 17.6 | | 27.4 | | 6.4 | | 14.7 | | 6.1 | | 3.8 | |
| SDG: | MB00F5 | MB00F5 | MB00F5 | MB00F5 | MB00F5 | MB00F5 | | | | | | |

Dup. of SB356

| | | | | | | | | | | |
|----------------------|------------|------------|------------|-------------------|-------------------|------|--------|------|--------|------|
| Sample Number : | MB029K | MB029N | MB029P | MB029Q | MB029T | | | | | |
| Sampling Location : | SB-353 | SB-354 | SB-355 | SB-356 | SB-357 | | | | | |
| Location Within Lot: | Grid | Grid | Grid | S. of Picnic Area | S. of Picnic Area | | | | | |
| Sampling Depth: | 7-11" | 11-14" | 13-18" | 9-14" | 9-14" | | | | | |
| Matrix : | Soil | Soil | Soil | Soil | Soil | | | | | |
| Units : | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | | | | | |
| Date Sampled : | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | 05/19/2000 | | | | | |
| Time Sampled : | 15:55 | 16:05 | 17:00 | 17:10 | 17:10 | | | | | |
| %Solids : | 80.4 | 87.0 | 89.5 | 78.5 | 85.1 | | | | | |
| Dilution Factor : | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | |
| ANALYTE | Result | Flag | Result | Flag | Result | Flag | Result | Flag | Result | Flag |
| LEAD | 73.1 | | 68.9 | | 90.5 | | 88.2 | | 65.3 | |
| ARSENIC | 22.4 | | 11.3 | | 8.7 | | 4.7 | | 6.7 | |
| SDG: | MB00F5 | MB00F5 | MB00DH | MB00DH | MB00DH | | | | | |



SOIL BORING LOGS

OPEN LOT / BALL FIELD

SB-346 BO299

| <u>Depth (inches)</u> | <u>Lithology</u> |
|-----------------------|---|
| 0 to 4 | organic topsoil, with clay |
| 4 to 14 | cinder and small pebbles in a clay matrix |
| 14 to 23 | silt, brown |
| 23 to 39 | clay, dark brown |
| - | sampled @ 6 to 10 inches bgs |

SB-347 BO29B, SB-348 BO29C is a Duplicate of SB-347

| <u>Depth (inches)</u> | <u>Lithology</u> |
|-----------------------|---|
| 0 to 2 | organic topsoil |
| 2 to 21 | silty clay, brown, with pebbles, slag and cinders |
| 21 to 39 | sand, fine grained, brown, with pebbles and silt |
| 39 to 43 | clay, grey |
| - | sampled @ 10 to 14 inches bgs |

SB-349 BO29F

| <u>Depth (inches)</u> | <u>Lithology</u> |
|-----------------------|--|
| 0 to 4 | organic topsoil, with silt and clay |
| 4 to 8 | clay, brown, with some silt |
| 8 to 15 | cinders and small pebbles in a clay matrix |
| 15 to 20 | sand, fine grained, dark brown, silty |
| 20 to 45 | clay, grey, with brown mottling |
| - | sampled @ 16 to 21 inches bgs |

SB-350 BO29G

| <u>Depth (inches)</u> | <u>Lithology</u> |
|-----------------------|-------------------------------------|
| 0 to 2 | organic topsoil, with silt and clay |
| 2 to 12 | clay, silty, with occasional gravel |
| 12 to 15 | cinders with large pebbles |
| 15 to 34 | clay, grey/brown |
| 34 to ? | large slag and cinders |
| to 78 | clay, brown |
| - | sampled @ 10 to 14 inches bgs |

B-353 BO29K

Depth (inches)

to 4

Lithology

organic topsoil, with silt and clay

to 40

large gravel and cinders in a silty/clay matrix

40 to 48

clay, dark grey/black

sampled @ 7 to 11 inches bgs

B-354 B)29N

Depth (inches)

to 5

Lithology

organic topsoil, with silt and clay

5 to 120

mixture of gravel, cinders in silt and clay matrix

sampled @ 11 to 14 inches bgs

B-75 BOOLQ, MBOO50

Depth (inches)

to 6

Lithology

organic topsoil

6 to 44

gravel and cinder fill in a silty matrix, black

58

clay, black

58 to 96

clay, dark grey, with brown mottling

sampled @ 44 to 54 inches bgs

APRIL 2001

SAMPLING DATA





South Park Ave

New Abby St

Amelia St

Not Open

Boone Park

Boone St

O Connor Ave

Pembina St

Germania St

Baraga St

Mystic St

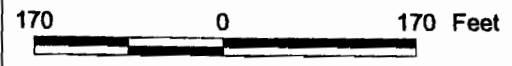
Beacon St (Not Open)

Bell Ave (Not Open)

Not Open

NOTE:

(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.



Legend

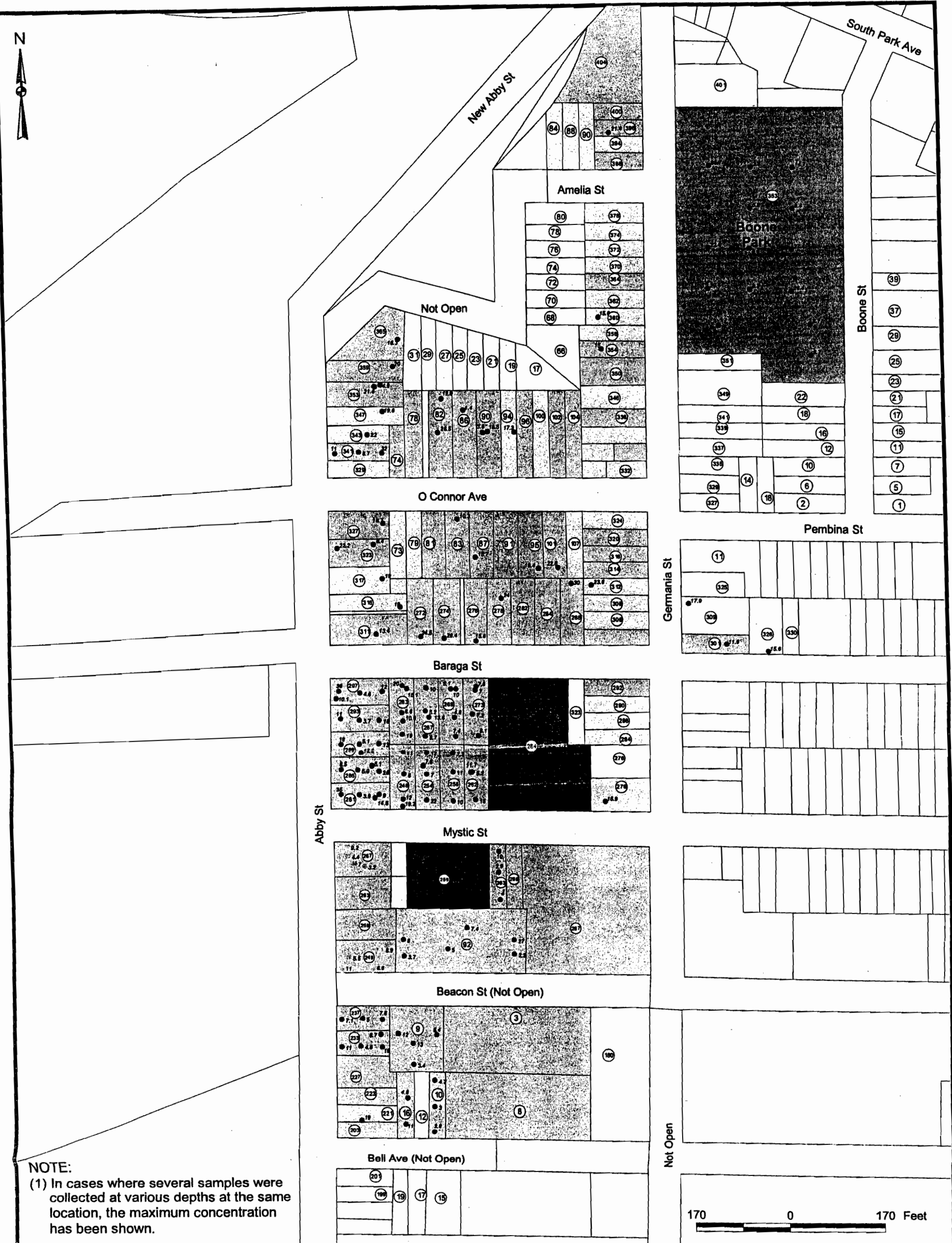
- Parcel Boundary
- Street Address
- Commercial
- Vacant(Open Lot)
- Residential
- Recreational
- Pre - 1989 Construction
- Post - 1989 Construction
- USEPA Sample Location (May 2000)
- URS Sample Location (June - July 1999, April 2001)
- ACRES Sample Location (Feb. - June 1999)
- 4.8 Concentration in mg/kg (ND - Not Detected)

H:\35912.00\GIS\WOODS2.apr ARSENIC ALL - SUBSURFACE 5/14/2002



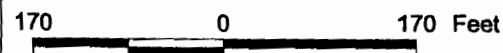
HICKORY WOODS/BOONE PARK
SUBSURFACE SOIL ANALYTICAL TEST RESULTS (DEPTHS BELOW 2")
ARSENIC

FIGURE



NOTE:

(1) In cases where several samples were collected at various depths at the same location, the maximum concentration has been shown.



Legend

- | | | |
|------------------|--------------------------|--|
| Parcel Boundary | Residential | ● USEPA Sample Location (May 2000) |
| Street Address | Recreational | ● URS Sample Location (June - July 1999, April 2001) |
| Commercial | Pre - 1989 Construction | ● ACRES Sample Location (Feb. - June 1999) |
| Vacant(Open Lot) | Post - 1989 Construction | 4.8 Concentration in mg/kg (ND - Not Detected) |

APPENDIX B

**SITE INVESTIGATION DATA USABILITY
SUMMARY REPORT**

Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone (518) 251-4429

Facsimile (518) 251-4428

LETTER OF TRANSMITTAL

TO: Rory Woodmansee

COMPANY: C&S Consulting

FROM: Judy Harry 

DATE: 07-21-04

ENCLOSED: DUSR validation report for the Boone Park site

Red-ink qualified report forms

COMMENTS: Invoice to follow

Ship via: US Express UPS US Priority Fed Ex Other

Data Validation Services

120 Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

Facsimile 518-251-4428

July 20, 2004

Rory Woodmansee
C&S Engineers
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

RE: **Data Usability Summary Report for the Boone Park Brownfield site**
STL-Buffalo SDG/Package Nos. 3643, 3732, 3734, 3735, and 3738

Dear Mr. Woodmansee:

Review has been completed for the data packages generated by Severn Trent Laboratories that pertain to samples collected 4/21/04 and 4/22/04 at the Boone Park site. Four aqueous samples were analyzed for full ASP CLP TCL/TAL analytes. Sixty four soil samples were analyzed for total arsenic. Methodologies utilized were the 2000 NYSDEC ASP CLP. Sample matrix spikes and a trip blank were also processed.

The data packages submitted contained full deliverables for validation, but this usability report is generated from review of the summary form information, with review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, per the USEPA Region 2 validation SOPs and the USEPA National Functional Guidelines for Data Review, as affects the usability of the sample data. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes and IDLs
- * Calibration/CRI/CRA Standards
- * ICP Interference Check Standards
- * ICP Serial Dilution Correlations

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR review level.

In summary, samples were processed in compliance with protocol requirements, and results are usable as reported, or with usable with minor qualification as estimated or edit to nondetection. No data are rejected.

Copies of the laboratory case narratives and laboratory NYSDEC Sample Identification and Analytical Requirement Summary Forms are attached to this text, and should be reviewed in conjunction with this report. Included with this report are red-ink edited sample report forms that represent final qualified samples results.

The following text discusses quality issues of concern.

TCL Volatiles by ASP CLP

Holding times were met and instrument tunes were within required ranges. Surrogate and internal standard recoveries were acceptable. Blanks show no contamination.

Matrix spikes of MW-2 show acceptable accuracy and precision. Recoveries of spiked blanks were acceptable.

Calibrations standards show responses within validation guidelines, with the exception of those for acetone (39%RSD), 2-butanone (44%D), and 2-hexanone (28%D). Results for those three compounds in the samples are therefore qualified as estimated ("UJ"), with a potential low bias.

Semivolatile Analyses by ASP CLP

Holding times were met and instrument tunes were within required ranges. Internal and surrogate standard recoveries were acceptable.

Detections of bis(2-ethylhexyl)phthalate in the samples are considered external contamination (as evidenced by the presence in associated method blanks), and are to be edited to nondetection ("U") at the CRDL.

Matrix spikes of MW-2 show acceptable accuracy and precision values within recommended ranges, or elevated duplicate correlations/recoveries for analytes not detected in the project samples, with the exception of one low pyrene recovery (21%, below 26% recommended limit, and 47%). No qualification to sample reported results is made.

Calibrations standards showed responses within validation guidelines, with the exception of those for hexachlorocyclopentadiene (34%D) and 2,4-dinitrophenol (41%), results for which are to be qualified as estimated ("J" or "UJ") in the samples.

TCL Pesticides/PCBs by ASP CLP

Holding times were met and blanks show no contamination. Surrogate recoveries are within acceptance ranges.

The matrix spikes of MW-2 show acceptable accuracy and precision.

Calibration standard responses were within validation action guidelines.

TAL Metals/CN and Total Arsenic by CLP-M

Matrix spike and duplicate evaluations were performed with arsenic on soil samples SB-2 0-6, SB-2 6-12, SB-2 12-18, and SB-18 12-18. Recoveries were elevated (129% to 236%, above the recommended limit of 125%) for all but the matrix spike of SB-18-12-18. Duplicate correlations were within validation guidelines. Due to the outlying recoveries, all detected arsenic results in the fifty nine soils reported in SDGs 3732, 3734, and 3735 are qualified as estimated ("J").

The TAL matrix spike of aqueous sample MW-2 shows outlying recoveries for antimony (54% and 55%), lead (244% and 176%), and manganese (175% and 157%). Duplicate correlations were within validation guidelines. Due to the outlying recoveries, all antimony results and all detected manganese and lead results are qualified as estimated ("J" or "UJ") in the aqueous samples.

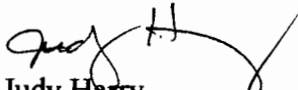
The ICP serial dilution evaluations of SB-2 0-6, SB-2 6-12, SB-2 12-18, and SB-18 12-18 show acceptable correlations.

The ICP serial dilution evaluation of aqueous sample MW-2 shows outlying correlations for twelve elements, with results (12%D to 19%D, above the 10%D recommended limit) indicating a potential low bias to the reported results for parent sample. Therefore, results for aluminum, barium, calcium, chromium, cobalt, copper, iron, magnesium, manganese, nickel, vanadium, and zinc in the four aqueous samples are qualified as estimated ("J" or "UJ").

Sample processing was compliant. Resubmission communications address a transcription error present in the mercury raw data. Sample reported results are unaffected.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,


Judy Harry

LABORATORY SAMPLE IDs AND CASE NARRATIVES

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| MW-1 | A4364301 | ASP00 | ASP00 | - | ASP00 | ASP00 | - | ASP00 |
| MW-2 | A4364302 | ASP00 | ASP00 | - | ASP00 | ASP00 | - | ASP00 |
| MW-3 | A4364303 | ASP00 | ASP00 | - | ASP00 | ASP00 | - | ASP00 |
| MW-4 | A4364304 | ASP00 | ASP00 | - | ASP00 | ASP00 | - | ASP00 |

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| DB-1 | A4373201 | - | - | - | - | ASP00 | - | - |
| DB-2 | A4373202 | - | - | - | - | ASP00 | - | - |
| DB-3 | A4373203 | - | - | - | - | ASP00 | - | - |
| DB-4 | A4373204 | - | - | - | - | ASP00 | - | - |
| SB-1 0-6 | A4373205 | - | - | - | - | ASP00 | - | - |
| SB-1 12-18 | A4373207 | - | - | - | - | ASP00 | - | - |
| SB-1 6-12 | A4373206 | - | - | - | - | ASP00 | - | - |
| SB-2 0-6 | A4373208 | - | - | - | - | ASP00 | - | - |
| SB-4 12-18 | A4373210 | - | - | - | - | ASP00 | - | - |
| SB-4 6-12 | A4373209 | - | - | - | - | ASP00 | - | - |
| SB-5 0-6 | A4373211 | - | - | - | - | ASP00 | - | - |
| SB-5 12-18 | A4373213 | - | - | - | - | ASP00 | - | - |
| SB-5 6-12 | A4373212 | - | - | - | - | ASP00 | - | - |
| SB-6 0-6 | A4373214 | - | - | - | - | ASP00 | - | - |
| SB-6 12-18 | A4373216 | - | - | - | - | ASP00 | - | - |
| SB-6 6-12 | A4373215 | - | - | - | - | ASP00 | - | - |
| SB-7 0-6 | A4373217 | - | - | - | - | ASP00 | - | - |
| SB-7 12-18 | A4373219 | - | - | - | - | ASP00 | - | - |
| SB-7 6-12 | A4373218 | - | - | - | - | ASP00 | - | - |
| SB-8 0-6 | A4373220 | - | - | - | - | ASP00 | - | - |

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| SB-12 12-18 | A4373403 | - | - | - | - | ASP00 | - | - |
| SB-12 6-12 | A4373402 | - | - | - | - | ASP00 | - | - |
| SB-13 0-6 | A4373404 | - | - | - | - | ASP00 | - | - |
| SB-13 12-18 | A4373406 | - | - | - | - | ASP00 | - | - |
| SB-13 6-12 | A4373405 | - | - | - | - | ASP00 | - | - |
| SB-14 0-6 | A4373407 | - | - | - | - | ASP00 | - | - |
| SB-14 12-18 | A4373409 | - | - | - | - | ASP00 | - | - |
| SB-14 6-12 | A4373408 | - | - | - | - | ASP00 | - | - |
| SB-15 0-6 | A4373410 | - | - | - | - | ASP00 | - | - |
| SB-15 12-18 | A4373412 | - | - | - | - | ASP00 | - | - |
| SB-15 6-12 | A4373411 | - | - | - | - | ASP00 | - | - |
| SB-16 0-6 | A4373413 | - | - | - | - | ASP00 | - | - |
| SB-16 12-18 | A4373415 | | | | | ASP00 | | |
| SB-16 6-12 | A4373414 | - | - | - | - | ASP00 | - | - |
| SB-17 0-6 | A4373416 | - | - | - | - | ASP00 | - | - |
| SB-17 12-18 | A4373418 | - | - | - | - | ASP00 | - | - |
| SB-17 6-12 | A4373417 | - | - | - | - | ASP00 | - | - |
| SB-18 0-6 | A4373419 | - | - | - | - | ASP00 | - | - |
| SB-18 6-12 | A4373420 | - | - | - | - | ASP00 | - | - |
| SB-2 12-18 | A4373401 | - | - | - | - | ASP00 | - | - |

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| SB-10 0-6 | A4373511 | - | - | - | - | ASP00 | - | - |
| SB-10 12-18 | A4373513 | - | - | - | - | ASP00 | - | - |
| SB-10 6-12 | A4373512 | - | - | - | - | ASP00 | - | - |
| SB-11 0-6 | A4373514 | - | - | - | - | ASP00 | - | - |
| SB-11 12-18 | A4373516 | - | - | - | - | ASP00 | - | - |
| SB-11 6-12 | A4373515 | - | - | - | - | ASP00 | - | - |
| SB-12 0-6 | A4373517 | - | - | - | - | ASP00 | - | - |
| SB-2 6-12 | A4373501 | - | - | - | - | ASP00 | - | - |
| SB-20 12-18 | A4373519 | - | - | - | - | ASP00 | - | - |
| SB-20 6-12 | A4373518 | - | - | - | - | ASP00 | - | - |
| SB-3 0-6 | A4373502 | - | - | - | - | ASP00 | - | - |
| SB-3 12-18 | A4373504 | - | - | - | - | ASP00 | - | - |
| SB-3 6-12 | A4373503 | - | - | - | - | ASP00 | - | - |
| SB-4 0-6 | A4373505 | - | - | - | - | ASP00 | - | - |
| SB-8 12-18 | A4373507 | - | - | - | - | ASP00 | - | - |
| SB-8 6-12 | A4373506 | - | - | - | - | ASP00 | - | - |
| SB-9 0-6 | A4373508 | - | - | - | - | ASP00 | - | - |
| SB-9 12-18 | A4373510 | - | - | - | - | ASP00 | - | - |
| SB-9 6-12 | A4373509 | - | - | - | - | ASP00 | - | - |

NON-CONFORMANCE SUMMARY

Job#: A04-3643STL Project#: NY4A9194SDG#: 3643Site Name: C & S Engineers - Boone Park BrownfieldsGeneral Comments

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

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

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

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

Sample Receipt Comments

A04-3643

Sample Cooler(s) were received at the following temperature(s); 2 @ 5.2 °C

All samples were received in good condition.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

GC/MS Semivolatile Data

The analytes Bis(2-ethylhexyl)phthalate and Diethylphthalate were detected in the Method Blank A4B0871302 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike Blank A4B0871301. Since the result was biased high and the analyte was not detected in the samples, no corrective action was performed.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike Duplicate MW-2. No corrective action was required.

The spike recovery for Pyrene was below the method defined quality control limit in the Matrix Spike Duplicate MW-2. No corrective action was required.

The relative percent difference between the Matrix Spike MW-2 and the Matrix Spike Duplicate MW-2 exceed quality control limits for Pyrene.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATIONSAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

| CUSTOMER SAMPLE ID | LABORATORY SAMPLE ID | ANALYTICAL REQUIREMENTS | | | | | | |
|-----------------------|-------------------------|-------------------------|--------------|-----------|-------------|--------|--------------|------------------|
| | | VOA GC/MS | BNA GC/MS | VOA GC | PEST PCB | METALS | TCLP HERB | WATER QUALITY |
| SB-18 12-18 | A4373801 | - | - | - | - | ASP00 | - | - |
| SB-19 0-6 | A4373802 | - | - | - | - | ASP00 | - | - |
| SB-19 12-18 | A4373804 | - | - | - | - | ASP00 | - | - |
| SB-19 6-12 | A4373803 | - | - | - | - | ASP00 | - | - |
| SB-20 0-6 | A4373805 | - | - | - | - | ASP00 | - | - |

NYSDEC-1

GC Extractable Data

For method ASP00 8081, the recovery of surrogate Decachlorobiphenyl in sample MW4 is elevated and outside of established quality control limits on the RTX-CPLII column. The recovery of surrogate Decachlorobiphenyl on the RTX-CLPI Column and the recovery of surrogate Tetrachloro-m-xylene on both columns is within quality control limits; no corrective action is required.

Metals Data

The recovery of sample MW-2 Matrix Spike exhibited results above the quality control limits for Lead and Manganese and below quality control limits for Antimony. The recovery of sample MW-2 Matrix Spike Duplicate exhibited results above the quality control limits for Copper, Lead, and Manganese and below quality control limits for Antimony and Thallium. The RPD of sample MW-2 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Iron. However, the LFB was acceptable.

The recovery of sample MW-2 Post Spike exhibited results below the quality control limits for Calcium and Iron. However, the LFB was acceptable.

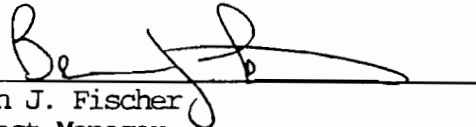
The Serial Dilution of sample MW-2 exceeded quality control limits for Aluminum, Barium, Calcium, Chromium, Cobalt, Copper, Iron, Magnesium, Manganese, Nickel, Vanadium, and Zinc.

Wet Chemistry Data

The detection for Total Cyanide on sample MW-3 was confirmed via reanalysis.

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

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



Brian J. Fischer
Project Manager

5-20-04

Date

NON-CONFORMANCE SUMMARY

Job#: A04-3732STL Project#: NY4A9194SDG#: 042201Site Name: C & S Engineers - Boone Park BrownfieldsGeneral Comments

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

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

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

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

Sample Receipt Comments

A04-3732

Sample Cooler(s) were received at the following temperature(s); 2 @ 5.2 °C
All samples were received in good condition.

Metals Data

The recovery of sample SB-2 0-6 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Arsenic. The RPD of sample SB-2 0-6 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

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

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



Brian J. Fischer
Project Manager

5-17-04

Date

NON-CONFORMANCE SUMMARY

Job#: A04-3734STL Project#: NY4A9194SDG#: 042202Site Name: C & S Engineers - Boone Park BrownfieldsGeneral Comments

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

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

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

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

Sample Receipt Comments

A04-3734

Sample Cooler(s) were received at the following temperature(s); 2 @ 5.2 °C
All samples were received in good condition.

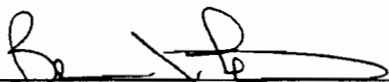
Metals Data

The recovery of sample SB-2 12-18 Matrix Spike Duplicate exhibited results above the quality control limits for Arsenic. The RPD of sample SB-2 12-18 Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

The RPD of sample SB-2 12-18 and the Matrix Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

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

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



Brian J. Fischer
Project Manager

5-17-04

Date

NON-CONFORMANCE SUMMARY

Job#: A04-3735STL Project#: NY4A9194SDG#: 042203Site Name: C & S Engineers - Boone Park BrownfieldsGeneral Comments

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

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

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

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

Sample Receipt Comments

A04-3735

Sample Cooler(s) were received at the following temperature(s); 2 @ 5.2 °C

All samples were received in good condition.

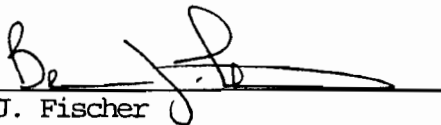
Metals Data

The recovery of sample SB-2 6-12 Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Arsenic. However, the LCS was acceptable.

The RPD of sample SB-2 6-12 and the Matrix Duplicate exceeded quality control limits for Arsenic. However, the LCS was acceptable.

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

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



Brian J. Fischer
Project Manager

5-17-04

Date

NON-CONFORMANCE SUMMARY

Job#: A04-3738STL Project#: NY4A9194SDG#: 042204Site Name: C & S Engineers - Boone Park BrownfieldsGeneral Comments

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

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

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

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

Sample Receipt Comments

A04-3738

Sample Cooler(s) were received at the following temperature(s); 2 @ 5.2 °C

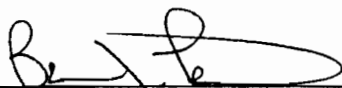
All samples were received in good condition.

Metals Data

The RPD of sample SB-18 12-18 Matrix Spike and Matrix Duplicate exceeded quality control limits for Arsenic. The LCS was acceptable, therefore, 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.

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



Brian J. Fischer
Project Manager

5-17-04

Date

RESUBMISSION COMMUNICATIONS

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
Facsimile (518) 251-4428

Facsimile Transmission

TO: Brian Fischer

COMPANY: STL-Buffalo

FAX NUMBER: 716 691 7991

FROM: Judy Harry

DATE: 07-15-04

No. of pages (including cover): 1

COMMENTS: RE: C&S Engineers Boone Park project
STL SDG 3643

Review of the above-noted project is in progress. The following item is needed to complete the review:

Please discuss the mercury analysis of 5/10/04. There appears to be no unspiked blank processed with the samples (one associated sample, MW-3, had a detection). Apparently a blank was processed after the fact. This was not addressed in the case narrative. Please clarify.

An expedited response to the fax number above would be greatly appreciated. Please also send copies of all communications to Rory Wodehouse at C&S.

Original to follow: No Yes

STL Buffalo

10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

July 19, 2004

Mr. Rory Woodmansee
C & S Engineers, Inc.
499 Col. Eileen Collins Blvd.
Syracuse, NY 13212

RE: Revision for SDG 3643

Dear Mr. Woodmansee:


Please find enclosed, revised data concerning samples recently submitted by your firm. Specifically, this report has been revised to correct entry errors for mercury analysis in the raw data. The attached pages have been provided for replacement in the original report. The pertinent data regarding this report is listed below:

Project Name: C & S Engineers, Inc
Task Name: Boone Park site - waters
SDG Number: 3643

If you have any questions concerning these data, please contact me at (716) 691-2600 and refer to the I.D. number listed below.

Sincerely,

STL Buffalo



Brian J. Fischer
Program Manager

BJF
Enclosure

I.D. (#A04-3643)
#NY4A9194

QUALIFIED REPORT FORMS

Folder: L10514W1
 Protocol: hgppb
 POST-RUN REPORT

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 |
|--|-------|------------|--------|--------|------------------|-------|-------------------------|---|
| *** Check Standard: 3 Ck3CCV Seq: 14 15:41:29 14 May 04 HG | | | | | | | | |
| Line Flag | %Rcv. | Found | True | Units | SD/RSD | | | |
| Hg | 100. | 2.00 | 2.00 | ppb | .000 | | | |
| *** Check Standard: 1 Ck1ICB/CCB Seq: 15 15:42:36 14 May 04 HG | | | | | | | | |
| Line Flag | Found | Range(+/-) | Units | SD/RSD | | | | |
| Hg | -.078 | .200 | ppb | .000 | | | | |
| *** Sample ID: AD424860 Seq: 16 15:43:54 14 May 04 HG | | | | | | | | |
| Hg | -.024 | ppb | .000 | -.024 | | | | |
| *** Sample ID: AD424861 Seq: 17 15:45:04 14 May 04 HG | | | | | | | | |
| Hg | -.047 | ppb | .000 | -.047 | | | | |
| *** Sample ID: AD424862 Seq: 18 15:46:23 14 May 04 HG | | | | | | | | |
| Hg | -.039 | ppb | .000 | -.039 | | | | |
| *** Sample ID: AD424863 Seq: 19 15:47:30 14 May 04 HG | | | | | | | | |
| Hg | 9.26 | ppb | .000 | 9.26 | | | | |
| *** Sample ID: AD424863L Seq: 20 15:48:47 14 May 04 HG | | | | | | | | |
| Hg | 3.17 | ppb | .000 | 3.17 | | | | |
| *** Sample ID: A4364301 Seq: 21 15:49:53 14 May 04 HG | | | | | | | | |
| Hg | -.080 | ppb | .000 | -.080 | MANUALLY ENTERED | | | |
| *** Sample ID: A4364302 Seq: 22 15:51:03 14 May 04 HG | | | | | | | | |
| Hg | -.029 | ppb | .000 | -.029 | MANUALLY ENTERED | | | |
| *** Sample ID: A4364303 Seq: 23 15:52:20 14 May 04 HG | | | | | | | | |
| Hg | -.037 | ppb | .000 | -.037 | MANUALLY ENTERED | | | |
| *** Sample ID: A4364304 Seq: 24 15:53:36 14 May 04 HG | | | | | | | | |
| Hg | -.027 | ppb | .000 | -.027 | MANUALLY ENTERED | | | |
| *** Sample ID: AD424865 64 7/19/04 Seq: 25 15:54:46 14 May 04 HG | | | | | | | | |
| Hg | 2.12 | ppb | .000 | 2.12 | SPIKED | | | |
| *** %Rec. ID: AD424865 64 7/19/04 Seq: 26 15:54:46 14 May 04 HG | | | | | | | | |
| Hg | Spike | %Rcv. | Avg(U) | SD(U) | Avg(S) | SD(S) | | |
| | 2.00 | 106. | .000 | .000 | 2.12 | .000 | Spikes = 1 Unspiked = 0 | |

Folder: L10514W1
 Protocol: hgppb
 POST-RUN REPORT

| Line | Conc. | Units | SD/RSD | 1 | 2 | 3 | 4 | 5 | |
|---|-------|-------|------------|-------|--------|--------|---|---|--|
| *** Check Standard: 3 Ck3CCV Seq: 27 15:55:54 14 May 04 HG | | | | | | | | | |
| Line | Flag | %Rcv. | Found | True | Units | SD/RSD | | | |
| Hg | | 99.5 | 1.99 | 2.00 | ppb | .000 | | | |
| *** Check Standard: 1 Ck1ICB/CCB Seq: 28 15:57:10 14 May 04 HG | | | | | | | | | |
| Line | Flag | Found | Range(+/-) | Units | SD/RSD | | | | |
| Hg | | -.084 | .200 | ppb | .000 | | | | |
| *** Sample ID: AD424866 <i>65 7/19/04</i> Seq: 29 15:58:17 14 May 04 HG | | | | | | | | | |
| Hg | | -.057 | ppb | .000 | -.057 | | | | |
| *** Check Standard: 3 Ck3CCV Seq: 30 15:59:27 14 May 04 HG | | | | | | | | | |
| Line | Flag | %Rcv. | Found | True | Units | SD/RSD | | | |
| Hg | | 101. | 2.01 | 2.00 | ppb | .000 | | | |
| *** Check Standard: 1 Ck1ICB/CCB Seq: 31 16:00:37 14 May 04 HG | | | | | | | | | |
| Line | Flag | Found | Range(+/-) | Units | SD/RSD | | | | |
| Hg | | -.097 | .200 | ppb | .000 | | | | |

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-2

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 3643

Matrix (soil/water): WATER

Lab Sample ID: AD419864

Level (low/med): LOW

Date Received: 4/22/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|------|----|
| 7429-90-5 | Aluminum | 63400 | | E J | P |
| 7440-36-0 | Antimony | 3.2 | U | N J | P |
| 7440-38-2 | Arsenic | 31.8 | | | P |
| 7440-39-3 | Barium | 591 | | E J | P |
| 7440-41-7 | Beryllium | 3.2 | B | | P |
| 7440-43-9 | Cadmium | 0.68 | B | | P |
| 7440-70-2 | Calcium | 131000 | | E J | P |
| 7440-47-3 | Chromium | 111 | | E J | P |
| 7440-48-4 | Cobalt | 53.1 | | E J | P |
| 7440-50-8 | Copper | 440 | | NE J | P |
| 7439-89-6 | Iron | 157000 | | E* J | P |
| 7439-92-1 | Lead | 74.4 | | N J | P |
| 7439-95-4 | Magnesium | 40100 | | E J | P |
| 7439-96-5 | Manganese | 1330 | | NE J | P |
| 7440-02-0 | Nickel | 234 | | E J | P |
| 7440-09-7 | Potassium | 8240 | | | P |
| 7782-49-2 | Selenium | 11.5 | B | | P |
| 7439-97-6 | Mercury | 0.037 | U | | CV |
| 7440-22-4 | Silver | 1.5 | B | | P |
| 7440-23-5 | Sodium | 8660 | | | P |
| 7440-28-0 | Thallium | 3.6 | U | N | P |
| 7440-62-2 | Vanadium | 116 | | E J | P |
| 7440-66-6 | Zinc | 540 | | E J | P |

Color Before: GRAY Clarity Before: CLOUDY Texture: HEAVY

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-1

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 3643

Matrix (soil/water): WATER

Lab Sample ID: AD419863

Level (low/med): LOW

Date Received: 4/22/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|------|----|
| 7429-90-5 | Aluminum | 122000 | | E J | P |
| 7440-36-0 | Antimony | 6.2 | B | N J | P |
| 7440-38-2 | Arsenic | 97.7 | | | P |
| 7440-39-3 | Barium | 903 | | E J | P |
| 7440-41-7 | Beryllium | 6.3 | | | P |
| 7440-43-9 | Cadmium | 0.68 | B | | P |
| 7440-70-2 | Calcium | 129000 | | E J | P |
| 7440-47-3 | Chromium | 289 | | E J | P |
| 7440-48-4 | Cobalt | 125 | | E J | P |
| 7440-50-8 | Copper | 414 | | NE J | P |
| 7439-89-6 | Iron | 299000 | | E* J | P |
| 7439-92-1 | Lead | 209 | | N J | P |
| 7439-95-4 | Magnesium | 59500 | | E J | P |
| 7439-96-5 | Manganese | 5600 | | NE J | P |
| 7440-02-0 | Nickel | 384 | | E J | P |
| 7440-09-7 | Potassium | 10400 | | | P |
| 7782-49-2 | Selenium | 10.0 | B | | P |
| 7439-97-6 | Mercury | 0.037 | U | | CV |
| 7440-22-4 | Silver | 0.80 | U | | P |
| 7440-23-5 | Sodium | 9660 | | | P |
| 7440-28-0 | Thallium | 3.6 | U | N | P |
| 7440-62-2 | Vanadium | 202 | | E J | P |
| 7440-66-6 | Zinc | 1200 | | E J | P |

Color Before: BROWN

Clarity Before: CLOUDY

Texture: HEAVY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-3

Contract: NY04-001

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 3643

Matrix (soil/water): WATER

Lab Sample ID: AD419868

Level (low/med): LOW

Date Received: 4/22/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|------|----|
| 7429-90-5 | Aluminum | 111000 | | E J | P |
| 7440-36-0 | Antimony | 8.2 | B | N J | P |
| 7440-38-2 | Arsenic | 93.9 | | | P |
| 7440-39-3 | Barium | 948 | | E J | P |
| 7440-41-7 | Beryllium | 6.1 | | | P |
| 7440-43-9 | Cadmium | 0.20 | U | | P |
| 7440-70-2 | Calcium | 513000 | | | P |
| 7440-47-3 | Chromium | 240 | | E J | P |
| 7440-48-4 | Cobalt | 129 | | E J | P |
| 7440-50-8 | Copper | 862 | | NE J | P |
| 7439-89-6 | Iron | 362000 | | E* J | P |
| 7439-92-1 | Lead | 344 | | N J | P |
| 7439-95-4 | Magnesium | 138000 | | E J | P |
| 7439-96-5 | Manganese | 7870 | | NE J | P |
| 7440-02-0 | Nickel | 420 | | E J | P |
| 7440-09-7 | Potassium | 11500 | | | P |
| 7782-49-2 | Selenium | 11.8 | B | | P |
| 7440-22-4 | Silver | 2.6 | B | | P |
| 7439-97-6 | Mercury | 0.183 | B | | CV |
| 7440-23-5 | Sodium | 50300 | | | P |
| 7440-28-0 | Thallium | 3.6 | U | N | P |
| 7440-62-2 | Vanadium | 212 | | E J | P |
| 7440-66-6 | Zinc | 1960 | | E J | P |

Color Before: GRAY

Clarity Before: CLOUDY

Texture: HEAVY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 3643

Matrix (soil/water): WATER

Lab Sample ID: AD419869

Level (low/med): LOW

Date Received: 4/22/2004

Concentration Units (ug/L or mg/kg dry weight): UG/L

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|-----------|---------------|---|------|----|
| 7429-90-5 | Aluminum | 70500 | | E J | P |
| 7440-36-0 | Antimony | 3.2 | U | N J | P |
| 7440-38-2 | Arsenic | 35.9 | | | P |
| 7440-39-3 | Barium | 633 | | E J | P |
| 7440-41-7 | Beryllium | 3.8 | B | | P |
| 7440-43-9 | Cadmium | 0.96 | B | | P |
| 7440-70-2 | Calcium | 165000 | | E J | P |
| 7440-47-3 | Chromium | 131 | | E J | P |
| 7440-48-4 | Cobalt | 70.7 | | E J | P |
| 7440-50-8 | Copper | 277 | | NE J | P |
| 7439-89-6 | Iron | 161000 | | E* J | P |
| 7439-92-1 | Lead | 166 | | N J | P |
| 7439-95-4 | Magnesium | 81600 | | E J | P |
| 7439-96-5 | Manganese | 4010 | | NE J | P |
| 7440-02-0 | Nickel | 202 | | E J | P |
| 7440-09-7 | Potassium | 7390 | | | P |
| 7782-49-2 | Selenium | 9.2 | B | | P |
| 7439-97-6 | Mercury | 0.037 | U | | CV |
| 7440-22-4 | Silver | 2.0 | B | | P |
| 7440-23-5 | Sodium | 6590 | | | P |
| 7440-28-0 | Thallium | 3.6 | U | N | P |
| 7440-62-2 | Vanadium | 120 | | E J | P |
| 7440-66-6 | Zinc | 767 | | E J | P |

Color Before: GRAY

Clarity Before: CLOUDY

Texture: HEAVY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers
C & S Engineers - Boone Park Brownfields
Wet Chemistry Analysis

56/1031

Client Sample No.

MW-1

Lab Name: SIL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 3643

Matrix (soil/water): WATER

Lab Sample ID: A4364301

% Solids: 0.0

Date Samp/Recv: 04/21/2004 04/22/2004

| Parameter Name | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | MG/L | 0.010 | U | | | CLP-WC | 04/29/2004 |

Comments:

C & S Engineers
C & S Engineers - Boone Park Brownfields
Wet Chemistry Analysis

57/1031

Client Sample No.

MW-2

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY

Case No.: _____

SAS No.: _____

SDG No.: 3643

Matrix (soil/water): WATER

Lab Sample ID: A4364302

% Solids: 0.0

Date Samp/Recv: 04/21/2004 04/22/2004

| Parameter Name | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | MG/L | 0.10 | | | | CLP-WC | 04/29/2004 |

Comments:

C & S Engineers
C & S Engineers - Boone Park Brownfields
Wet Chemistry Analysis

58/1031

Client Sample No.

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 3643

Matrix (soil/water): WATER

Lab Sample ID: A4364303

% Solids: 0.0

Date Samp/Recv: 04/21/2004 04/22/2004

| Parameter Name | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total | MG/L | 0.38 | | | | CLP-WC | 04/29/2004 |

Comments:

C & S Engineers
C & S Engineers - Boone Park Brownfields
Wet Chemistry Analysis

59/1031

Client Sample No.

MW-4

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECN

Case No.: _____

SAS No.: _____

SDG No.: 3643

Matrix (soil/water): WATER

Lab Sample ID: A4364304

% Solids: 0.0

Date Samp/Recv: 04/22/2004 04/22/2004

| Parameter Name | Units of Measure | Result | C | Q | M | Method Number | Analyzed Date |
|-----------------------|------------------|--------|---|---|---|---------------|---------------|
| Cyanide - Total _____ | MG/L | 0.010 | U | | | CLP-WC | 04/29/2004 |

Comments:

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000- PESTICIDES/AROCLORS
 ANALYSIS DATA SHEET

Client No.

| |
|------|
| MW-4 |
|------|

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364304Sample wt/vol: 1020.00 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/22/2004 04/22/2004Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/26/2004Concentrated Extract Volume: 10000 (uL)Date Analyzed: 04/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

| | | | |
|----------------|---------------------|-------|---|
| 319-84-6----- | alpha-BHC | 0.049 | U |
| 319-85-7----- | beta-BHC | 0.049 | U |
| 319-86-8----- | delta-BHC | 0.049 | U |
| 58-89-9----- | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8----- | Heptachlor | 0.049 | U |
| 309-00-2----- | Aldrin | 0.049 | U |
| 1024-57-3----- | Heptachlor epoxide | 0.049 | U |
| 959-98-8----- | Endosulfan I | 0.049 | U |
| 60-57-1----- | Dieldrin | 0.098 | U |
| 72-55-9----- | 4,4'-DDE | 0.098 | U |
| 72-20-8----- | Endrin | 0.098 | U |
| 33213-65-9---- | Endosulfan II | 0.098 | U |
| 72-54-8----- | 4,4'-DDD | 0.098 | U |
| 1031-07-8----- | Endosulfan Sulfate | 0.098 | U |
| 50-29-3----- | 4,4'-DDT | 0.098 | U |
| 72-43-5----- | Methoxychlor | 0.49 | U |
| 53494-70-5---- | Endrin ketone | 0.098 | U |
| 7421-93-4----- | Endrin aldehyde | 0.098 | U |
| 5103-71-9----- | alpha-Chlordane | 0.049 | U |
| 5103-74-2----- | gamma-Chlordane | 0.049 | U |
| 8001-35-2----- | Toxaphene | 4.9 | U |
| 12674-11-2---- | Aroclor 1016 | 0.98 | U |
| 11104-28-2---- | Aroclor 1221 | 2.0 | U |
| 11141-16-5---- | Aroclor 1232 | 0.98 | U |
| 53469-21-9---- | Aroclor 1242 | 0.98 | U |
| 12672-29-6---- | Aroclor 1248 | 0.98 | U |
| 11097-69-1---- | Aroclor 1254 | 0.98 | U |
| 11096-82-5---- | Aroclor 1260 | 0.98 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000- PESTICIDES/AROCLORS
 ANALYSIS DATA SHEET

Client No.

MW-3

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364303Sample wt/vol: 1020.00 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/21/2004 04/22/2004Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/26/2004Concentrated Extract Volume: 10000 (uL)Date Analyzed: 04/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
|------------|---------------------|---|---|
| 319-84-6 | alpha-BHC | 0.049 | U |
| 319-85-7 | beta-BHC | 0.049 | U |
| 319-86-8 | delta-BHC | 0.049 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8 | Heptachlor | 0.049 | U |
| 309-00-2 | Aldrin | 0.049 | U |
| 1024-57-3 | Heptachlor epoxide | 0.049 | U |
| 959-98-8 | Endosulfan I | 0.049 | U |
| 60-57-1 | Dieldrin | 0.098 | U |
| 72-55-9 | 4,4'-DDE | 0.098 | U |
| 72-20-8 | Endrin | 0.098 | U |
| 33213-65-9 | Endosulfan II | 0.098 | U |
| 72-54-8 | 4,4'-DDD | 0.098 | U |
| 1031-07-8 | Endosulfan Sulfate | 0.098 | U |
| 50-29-3 | 4,4'-DDT | 0.098 | U |
| 72-43-5 | Methoxychlor | 0.49 | U |
| 53494-70-5 | Endrin ketone | 0.098 | U |
| 7421-93-4 | Endrin aldehyde | 0.098 | U |
| 5103-71-9 | alpha-Chlordane | 0.049 | U |
| 5103-74-2 | gamma-Chlordane | 0.049 | U |
| 8001-35-2 | Toxaphene | 4.9 | U |
| 12674-11-2 | Aroclor 1016 | 0.98 | U |
| 11104-28-2 | Aroclor 1221 | 2.0 | U |
| 11141-16-5 | Aroclor 1232 | 0.98 | U |
| 53469-21-9 | Aroclor 1242 | 0.98 | U |
| 12672-29-6 | Aroclor 1248 | 0.98 | U |
| 11097-69-1 | Aroclor 1254 | 0.98 | U |
| 11096-82-5 | Aroclor 1260 | 0.98 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000- PESTICIDES/AROCLORS
 ANALYSIS DATA SHEET

Client No.

| |
|------|
| MW-2 |
|------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364302Sample wt/vol: 1000.00 (g/mL) ML Lab File ID: _____% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: 04/21/2004 04/22/2004Extraction: (SepF/Cont/Sonc/Soxh): SEPF Date Extracted: 04/26/2004Concentrated Extract Volume: 10000 (uL) Date Analyzed: 04/28/2004Injection Volume: 1.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.00 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| | | |
|---------------------------------|-------|---|
| 319-84-6-----alpha-BHC | 0.050 | U |
| 319-85-7-----beta-BHC | 0.050 | U |
| 319-86-8-----delta-BHC | 0.050 | U |
| 58-89-9-----gamma-BHC (Lindane) | 0.050 | U |
| 76-44-8-----Heptachlor | 0.050 | U |
| 309-00-2-----Aldrin | 0.050 | U |
| 1024-57-3----Heptachlor epoxide | 0.050 | U |
| 959-98-8-----Endosulfan I | 0.050 | U |
| 60-57-1-----Dieldrin | 0.10 | U |
| 72-55-9-----4,4'-DDE | 0.10 | U |
| 72-20-8-----Endrin | 0.10 | U |
| 33213-65-9---Endosulfan II | 0.10 | U |
| 72-54-8-----4,4'-DDD | 0.10 | U |
| 1031-07-8----Endosulfan Sulfate | 0.10 | U |
| 50-29-3-----4,4'-DDT | 0.10 | U |
| 72-43-5-----Methoxychlor | 0.50 | U |
| 53494-70-5---Endrin ketone | 0.10 | U |
| 7421-93-4----Endrin aldehyde | 0.10 | U |
| 5103-71-9----alpha-Chlordane | 0.050 | U |
| 5103-74-2----gamma-Chlordane | 0.050 | U |
| 8001-35-2-----Toxaphene | 5.0 | U |
| 12674-11-2----Aroclor 1016 | 1.0 | U |
| 11104-28-2----Aroclor 1221 | 2.0 | U |
| 11141-16-5----Aroclor 1232 | 1.0 | U |
| 53469-21-9---Aroclor 1242 | 1.0 | U |
| 12672-29-6---Aroclor 1248 | 1.0 | U |
| 11097-69-1----Aroclor 1254 | 1.0 | U |
| 11096-82-5----Aroclor 1260 | 1.0 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
ASP 2000- PESTICIDES/AROCLORS
ANALYSIS DATA SHEET

Client No.

MW-1

Lab Name: STL Buffalo

Contract: _____

Lab Code: RECNY

Case No.: _____

SAS No.: _____

SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364301Sample wt/vol: 1020.00 (g/mL) ML

Lab File ID: _____

% Moisture: _____ decanted: (Y/N) NDate Samp/Recv: 04/21/2004 04/22/2004Extraction: (SepF/Cont/Sonc/Soxh): SEPFDate Extracted: 04/26/2004Concentrated Extract Volume: 10000 (uL)Date Analyzed: 04/28/2004Injection Volume: 1.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 7.00Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/LQ

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | <u>Q</u> |
|------------|---------------------|---|----------|
| 319-84-6 | alpha-BHC | 0.049 | U |
| 319-85-7 | beta-BHC | 0.049 | U |
| 319-86-8 | delta-BHC | 0.049 | U |
| 58-89-9 | gamma-BHC (Lindane) | 0.049 | U |
| 76-44-8 | Heptachlor | 0.049 | U |
| 309-00-2 | Aldrin | 0.049 | U |
| 1024-57-3 | Heptachlor epoxide | 0.049 | U |
| 959-98-8 | Endosulfan I | 0.049 | U |
| 60-57-1 | Dieldrin | 0.098 | U |
| 72-55-9 | 4,4'-DDE | 0.098 | U |
| 72-20-8 | Endrin | 0.098 | U |
| 33213-65-9 | Endosulfan II | 0.098 | U |
| 72-54-8 | 4,4'-DDD | 0.098 | U |
| 1031-07-8 | Endosulfan Sulfate | 0.098 | U |
| 50-29-3 | 4,4'-DDT | 0.098 | U |
| 72-43-5 | Methoxychlor | 0.49 | U |
| 53494-70-5 | Endrin ketone | 0.098 | U |
| 7421-93-4 | Endrin aldehyde | 0.098 | U |
| 5103-71-9 | alpha-Chlordane | 0.049 | U |
| 5103-74-2 | gamma-Chlordane | 0.049 | U |
| 8001-35-2 | Toxaphene | 4.9 | U |
| 12674-11-2 | Aroclor 1016 | 0.98 | U |
| 11104-28-2 | Aroclor 1221 | 2.0 | U |
| 11141-16-5 | Aroclor 1232 | 0.98 | U |
| 53469-21-9 | Aroclor 1242 | 0.98 | U |
| 12672-29-6 | Aroclor 1248 | 0.98 | U |
| 11097-69-1 | Aroclor 1254 | 0.98 | U |
| 11096-82-5 | Aroclor 1260 | 0.98 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

| |
|------|
| MW-4 |
|------|

Lab Name: SIL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364304Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z60606.RRLevel: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0Number TICs found: 1
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|-------------|--------------------------|-------|------------|----|
| 1. 791-28-6 | TRIPHENYLPHOSPHINE OXIDE | 22.01 | 35 | JN |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

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Client No.

| |
|------|
| MW-4 |
|------|

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364304

Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z60606.RR

Level: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004

% Moisture: _____ . decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|---------------|-------------------------|-----------------|------|---|
| 191-24-2----- | Benzo(ghi)perylene_____ | 11 | U | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

45/1031

Client No.

| |
|------|
| MW-4 |
|------|

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364304

Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z60606.RR

Level: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NO. | COMPOUND | UG/L | Q |
|----------------|-----------------------------|------|-----|
| 83-32-9----- | Acenaphthene | 11 | U |
| 51-28-5----- | 2,4-Dinitrophenol | 28 | U J |
| 100-02-7----- | 4-Nitrophenol | 28 | U |
| 132-64-9----- | Dibenzofuran | 11 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 11 | U |
| 84-66-2----- | Diethyl phthalate | 11 | U |
| 86-73-7----- | Fluorene | 11 | U |
| 7005-72-3----- | 4-Chlorophenyl phenyl ether | 11 | U |
| 100-01-6----- | 4-Nitroaniline | 28 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 28 | U |
| 86-30-6----- | N-nitrosodiphenylamine | 11 | U |
| 101-55-3----- | 4-Bromophenyl phenyl ether | 11 | U |
| 118-74-1----- | Hexachlorobenzene | 11 | U |
| 1912-24-9----- | Atrazine | 11 | U |
| 87-86-5----- | Pentachlorophenol | 28 | U |
| 85-01-8----- | Phenanthrene | 11 | U |
| 120-12-7----- | Anthracene | 11 | U |
| 86-74-8----- | Carbazole | 11 | U |
| 84-74-2----- | Di-n-butyl phthalate | 1 | J |
| 206-44-0----- | Fluoranthene | 11 | U |
| 129-00-0----- | Pyrene | 11 | U |
| 85-68-7----- | Butyl benzyl phthalate | 11 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 11 | U |
| 56-55-3----- | Benzo (a) anthracene | 11 | U |
| 218-01-9----- | Chrysene | 11 | U |
| 117-81-7----- | Bis(2-ethylhexyl) phthalate | 11 | U |
| 117-84-0----- | Di-n-octyl phthalate | 11 | U |
| 205-99-2----- | Benzo (b) fluoranthene | 11 | U |
| 207-08-9----- | Benzo (k) fluoranthene | 11 | U |
| 50-32-8----- | Benzo (a) pyrene | 11 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | 11 | U |
| 53-70-3----- | Dibenzo (a, h) anthracene | 11 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

44/1031

Client No.

MW-4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364304

Sample wt/vol: 900.00 (g/mL) ML Lab File ID: Z60606.RR

Level: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|----------|------------------------------|-----------------|------|-----|
| 100-52-7 | Benzaldehyde | 0.7 | | J |
| 108-95-2 | Phenol | 11 | | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 11 | | U |
| 95-57-8 | 2-Chlorophenol | 11 | | U |
| 95-48-7 | 2-Methylphenol | 11 | | U |
| 108-60-1 | 2,2'-Oxybis(1-Chloropropane) | 11 | | U |
| 98-86-2 | Acetophenone | 11 | | U |
| 106-44-5 | 4-Methylphenol | 11 | | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 11 | | U |
| 67-72-1 | Hexachloroethane | 11 | | U |
| 98-95-3 | Nitrobenzene | 11 | | U |
| 78-59-1 | Isophorone | 11 | | U |
| 88-75-5 | 2-Nitrophenol | 11 | | U |
| 105-67-9 | 2,4-Dimethylphenol | 11 | | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 11 | | U |
| 120-83-2 | 2,4-Dichlorophenol | 11 | | U |
| 91-20-3 | Naphthalene | 11 | | U |
| 106-47-8 | 4-Chloroaniline | 11 | | U |
| 87-68-3 | Hexachlorobutadiene | 11 | | U |
| 105-60-2 | Caprolactam | 11 | | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 11 | | U |
| 91-57-6 | 2-Methylnaphthalene | 11 | | U |
| 77-47-4 | Hexachlorocyclopentadiene | 11 | | U J |
| 88-06-2 | 2,4,6-Trichlorophenol | 11 | | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 28 | | U |
| 92-52-4 | Biphenyl | 11 | | U |
| 91-58-7 | 2-Chloronaphthalene | 11 | | U |
| 88-74-4 | 2-Nitroaniline | 28 | | U |
| 131-11-3 | Dimethyl phthalate | 11 | | U |
| 606-20-2 | 2,6-Dinitrotoluene | 11 | | U |
| 208-96-8 | Acenaphthylene | 11 | | U |
| 99-09-2 | 3-Nitroaniline | 28 | | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

| |
|------|
| MW-3 |
|------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364303Sample wt/vol: 1000.0 (g/mL) MLLab File ID: Z60605.RRLevel: (low/med) LOWDate Samp/Recv: 04/21/2004 04/22/2004% Moisture: _____ decanted: (Y/N) NDate Extracted: 04/23/2004Concentrated Extract Volume: 1000 (uL)Date Analyzed: 04/29/2004Injection Volume: 2.00 (uL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

Number TICs found: 1

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|-------|------------|---|
| 1. | UNKNOWN | 15.28 | 2 | J |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

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Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECN Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364303

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60605.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|---------------|--------------------|-----------------|------|---|
| 191-24-2----- | Benzo(ghi)perylene | | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

41/1031

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364303

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60605.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| | | | | |
|----------------|-----------------------------|----|---|---|
| 83-32-9----- | Acenaphthene | 10 | U | |
| 51-28-5----- | 2,4-Dinitrophenol | 25 | U | J |
| 100-02-7----- | 4-Nitrophenol | 25 | U | |
| 132-64-9----- | Dibenzofuran | 10 | U | |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U | |
| 84-66-2----- | Diethyl phthalate | 10 | U | |
| 86-73-7----- | Fluorene | 10 | U | |
| 7005-72-3----- | 4-Chlorophenyl phenyl ether | 10 | U | |
| 100-01-6----- | 4-Nitroaniline | 25 | U | |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 25 | U | |
| 86-30-6----- | N-nitrosodiphenylamine | 10 | U | |
| 101-55-3----- | 4-Bromophenyl phenyl ether | 10 | U | |
| 118-74-1----- | Hexachlorobenzene | 10 | U | |
| 1912-24-9----- | Atrazine | 10 | U | |
| 87-86-5----- | Pentachlorophenol | 25 | U | |
| 85-01-8----- | Phenanthrene | 10 | U | |
| 120-12-7----- | Anthracene | 10 | U | |
| 86-74-8----- | Carbazole | 10 | U | |
| 84-74-2----- | Di-n-butyl phthalate | 10 | U | |
| 206-44-0----- | Fluoranthene | 10 | U | |
| 129-00-0----- | Pyrene | 10 | U | |
| 85-68-7----- | Butyl benzyl phthalate | 10 | U | |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U | |
| 56-55-3----- | Benzo(a) anthracene | 10 | U | |
| 218-01-9----- | Chrysene | 10 | U | |
| 117-81-7----- | Bis(2-ethylhexyl) phthalate | 10 | U | |
| 117-84-0----- | Di-n-octyl phthalate | 10 | U | |
| 205-99-2----- | Benzo(b) fluoranthene | 10 | U | |
| 207-08-9----- | Benzo(k) fluoranthene | 10 | U | |
| 50-32-8----- | Benzo(a) pyrene | 10 | U | |
| 193-39-5----- | Indeno(1,2,3-cd) pyrene | 10 | U | |
| 53-70-3----- | Dibenzo(a,h) anthracene | 10 | U | |

10 0.4

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C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

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Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364303

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60605.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
|----------|------------------------------|---|---|
| 100-52-7 | Benzaldehyde | 10 | U |
| 108-95-2 | Phenol | 2 | J |
| 111-44-4 | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8 | 2-Chlorophenol | 10 | U |
| 95-48-7 | 2-Methylphenol | 10 | U |
| 108-60-1 | 2,2'-Oxybis(1-Chloropropane) | 10 | U |
| 98-86-2 | Acetophenone | 10 | U |
| 106-44-5 | 4-Methylphenol | 0.4 | J |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1 | Hexachloroethane | 10 | U |
| 98-95-3 | Nitrobenzene | 10 | U |
| 78-59-1 | Isophorone | 10 | U |
| 88-75-5 | 2-Nitrophenol | 10 | U |
| 105-67-9 | 2,4-Dimethylphenol | 10 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2 | 2,4-Dichlorophenol | 10 | U |
| 91-20-3 | Naphthalene | 10 | U |
| 106-47-8 | 4-Chloroaniline | 10 | U |
| 87-68-3 | Hexachlorobutadiene | 10 | U |
| 105-60-2 | Caprolactam | 10 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6 | 2-Methylnaphthalene | 10 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 10 | U |
| 88-06-2 | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4 | Biphenyl | 10 | U |
| 91-58-7 | 2-Chloronaphthalene | 10 | U |
| 88-74-4 | 2-Nitroaniline | 25 | U |
| 131-11-3 | Dimethyl phthalate | 10 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8 | Acenaphthylene | 10 | U |
| 99-09-2 | 3-Nitroaniline | 25 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
ASP 2000 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

39/1031

Client No.

MW-2

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364302

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60602.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|----|------------|---|
| | | | | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

38/1031

Client No.

| |
|------|
| MW-2 |
|------|

Lab Name: SIL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364302

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60602.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) | UG/L | Q |
|---------------|--------------------|---|------|---|
| 191-24-2----- | Benzo(ghi)perylene | | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

37/1031

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____
 Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364302
 Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60602.RR
 Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004
 % Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004
 Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004
 Injection Volume: 2.00 (uL) Dilution Factor: 1.00
 GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | UG/L | Q |
|----------------|-----------------------------|-------------------|----------------|
| 83-32-9----- | Acenaphthene | 10 | U |
| 51-28-5----- | 2,4-Dinitrophenol | 25 | U ^J |
| 100-02-7----- | 4-Nitrophenol | 25 | U |
| 132-64-9----- | Dibenzofuran | 10 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | 10 | U |
| 84-66-2----- | Diethyl phthalate | 10 | U |
| 86-73-7----- | Fluorene | 10 | U |
| 7005-72-3----- | 4-Chlorophenyl phenyl ether | 10 | U |
| 100-01-6----- | 4-Nitroaniline | 25 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | 25 | U |
| 86-30-6----- | N-nitrosodiphenylamine | 10 | U |
| 101-55-3----- | 4-Bromophenyl phenyl ether | 10 | U |
| 118-74-1----- | Hexachlorobenzene | 10 | U |
| 1912-24-9----- | Atrazine | 10 | U |
| 87-86-5----- | Pentachlorophenol | 25 | U |
| 85-01-8----- | Phenanthrene | 10 | U |
| 120-12-7----- | Anthracene | 10 | U |
| 86-74-8----- | Carbazole | 10 | U |
| 84-74-2----- | Di-n-butyl phthalate | 10 | U |
| 206-44-0----- | Fluoranthene | 10 | U |
| 129-00-0----- | Pyrene | 10 | U |
| 85-68-7----- | Butyl benzyl phthalate | 10 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | 10 | U |
| 56-55-3----- | Benzo (a) anthracene | 10 | U |
| 218-01-9----- | Chrysene | 10 | U |
| 117-81-7----- | Bis(2-ethylhexyl) phthalate | 10 ^{0.8} | U |
| 117-84-0----- | Di-n-octyl phthalate | 10 | U |
| 205-99-2----- | Benzo (b) fluoranthene | 10 | U |
| 207-08-9----- | Benzo (k) fluoranthene | 10 | U |
| 50-32-8----- | Benzo (a) pyrene | 10 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | 10 | U |
| 53-70-3----- | Dibenzo (a,h) anthracene | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

36/1031

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364302

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: Z60602.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> | Q |
|---------------|------------------------------|---|-----|
| 100-52-7----- | Benzaldehyde | 10 | U |
| 108-95-2----- | Phenol | 10 | U |
| 111-44-4----- | Bis(2-chloroethyl) ether | 10 | U |
| 95-57-8----- | 2-Chlorophenol | 10 | U |
| 95-48-7----- | 2-Methylphenol | 10 | U |
| 108-60-1----- | 2,2'-Oxybis(1-Chloropropane) | 10 | U |
| 98-86-2----- | Acetophenone | 10 | U |
| 106-44-5----- | 4-Methylphenol | 10 | U |
| 621-64-7----- | N-Nitroso-Di-n-propylamine | 10 | U |
| 67-72-1----- | Hexachloroethane | 10 | U |
| 98-95-3----- | Nitrobenzene | 10 | U |
| 78-59-1----- | Isophorone | 10 | U |
| 88-75-5----- | 2-Nitrophenol | 10 | U |
| 105-67-9----- | 2,4-Dimethylphenol | 10 | U |
| 111-91-1----- | Bis(2-chloroethoxy) methane | 10 | U |
| 120-83-2----- | 2,4-Dichlorophenol | 10 | U |
| 91-20-3----- | Naphthalene | 10 | U |
| 106-47-8----- | 4-Chloroaniline | 10 | U |
| 87-68-3----- | Hexachlorobutadiene | 10 | U |
| 105-60-2----- | Caprolactam | 10 | U |
| 59-50-7----- | 4-Chloro-3-methylphenol | 10 | U |
| 91-57-6----- | 2-Methylnaphthalene | 10 | U |
| 77-47-4----- | Hexachlorocyclopentadiene | 10 | U J |
| 88-06-2----- | 2,4,6-Trichlorophenol | 10 | U |
| 95-95-4----- | 2,4,5-Trichlorophenol | 25 | U |
| 92-52-4----- | Biphenyl | 10 | U |
| 91-58-7----- | 2-Chloronaphthalene | 10 | U |
| 88-74-4----- | 2-Nitroaniline | 25 | U |
| 131-11-3----- | Dimethyl phthalate | 10 | U |
| 606-20-2----- | 2,6-Dinitrotoluene | 10 | U |
| 208-96-8----- | Acenaphthylene | 10 | U |
| 99-09-2----- | 3-Nitroaniline | 25 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
ASP 2000 - SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

35/1031

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364301

Sample wt/vol: 930.00 (g/mL) ML Lab File ID: Z60601.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Number TICs found: 2

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|-------------|---------------------------------|-------|------------|----|
| 1. 143-22-6 | 2- [2- (2-BUTOXYETHOXY) ETHOXY] | 14.80 | 4 | JN |
| 2. 791-28-6 | TRIPHENYLPHOSPHINE OXIDE | 21.98 | 14 | JN |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364301

Sample wt/vol: 930.00 (g/mL) ML Lab File ID: Z60601.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | UG/L | Q |
|---------------|----------------------|------|---|
| 191-24-2----- | Benzo (ghi) perylene | 11 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
ASP 2000 - SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364301Sample wt/vol: 930.00 (g/mL) ML Lab File ID: Z60601.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004Injection Volume: 2.00 (uL) Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|----------------|-----------------------------|-----------------|------|---|
| 83-32-9----- | Acenaphthene | | 11 | U |
| 51-28-5----- | 2,4-Dinitrophenol | | 27 | U |
| 100-02-7----- | 4-Nitrophenol | | 27 | U |
| 132-64-9----- | Dibenzofuran | | 11 | U |
| 121-14-2----- | 2,4-Dinitrotoluene | | 11 | U |
| 84-66-2----- | Diethyl phthalate | | 11 | U |
| 86-73-7----- | Fluorene | | 11 | U |
| 7005-72-3----- | 4-Chlorophenyl phenyl ether | | 11 | U |
| 100-01-6----- | 4-Nitroaniline | | 27 | U |
| 534-52-1----- | 4,6-Dinitro-2-methylphenol | | 27 | U |
| 86-30-6----- | N-nitrosodiphenylamine | | 11 | U |
| 101-55-3----- | 4-Bromophenyl phenyl ether | | 11 | U |
| 118-74-1----- | Hexachlorobenzene | | 11 | U |
| 1912-24-9----- | Atrazine | | 11 | U |
| 87-86-5----- | Pentachlorophenol | | 27 | U |
| 85-01-8----- | Phenanthrene | | 11 | U |
| 120-12-7----- | Anthracene | | 11 | U |
| 86-74-8----- | Carbazole | | 11 | U |
| 84-74-2----- | Di-n-butyl phthalate | | 11 | U |
| 206-44-0----- | Fluoranthene | | 11 | U |
| 129-00-0----- | Pyrene | | 11 | U |
| 85-68-7----- | Butyl benzyl phthalate | | 11 | U |
| 91-94-1----- | 3,3'-Dichlorobenzidine | | 11 | U |
| 56-55-3----- | Benzo (a) anthracene | | 11 | U |
| 218-01-9----- | Chrysene | | 11 | U |
| 117-81-7----- | Bis(2-ethylhexyl) phthalate | | 11 | U |
| 117-84-0----- | Di-n-octyl phthalate | | 11 | U |
| 205-99-2----- | Benzo (b) fluoranthene | | 11 | U |
| 207-08-9----- | Benzo (k) fluoranthene | | 11 | U |
| 50-32-8----- | Benzo (a) pyrene | | 11 | U |
| 193-39-5----- | Indeno (1,2,3-cd) pyrene | | 11 | U |
| 53-70-3----- | Dibenzo (a,h) anthracene | | 11 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 ASP 2000 - SEMIVOLATILES
 ANALYSIS DATA SHEET

32/1031

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364301

Sample wt/vol: 930.00 (g/mL) ML Lab File ID: Z60601.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: _____ decanted: (Y/N) N Date Extracted: 04/23/2004

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 04/29/2004

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| | | | |
|----------|------------------------------|----|-----|
| 100-52-7 | Benzaldehyde | 11 | U |
| 108-95-2 | Phenol | 11 | U |
| 111-44-4 | Bis(2-chloroethyl) ether | 11 | U |
| 95-57-8 | 2-Chlorophenol | 11 | U |
| 95-48-7 | 2-Methylphenol | 11 | U |
| 108-60-1 | 2,2'-Oxybis(1-Chloropropane) | 11 | U |
| 98-86-2 | Acetophenone | 11 | U |
| 106-44-5 | 4-Methylphenol | 11 | U |
| 621-64-7 | N-Nitroso-Di-n-propylamine | 11 | U |
| 67-72-1 | Hexachloroethane | 11 | U |
| 98-95-3 | Nitrobenzene | 11 | U |
| 78-59-1 | Isophorone | 11 | U |
| 88-75-5 | 2-Nitrophenol | 11 | U |
| 105-67-9 | 2,4-Dimethylphenol | 11 | U |
| 111-91-1 | Bis(2-chloroethoxy) methane | 11 | U |
| 120-83-2 | 2,4-Dichlorophenol | 11 | U |
| 91-20-3 | Naphthalene | 11 | U |
| 106-47-8 | 4-Chloroaniline | 11 | U |
| 87-68-3 | Hexachlorobutadiene | 11 | U |
| 105-60-2 | Caprolactam | 11 | U |
| 59-50-7 | 4-Chloro-3-methylphenol | 11 | U |
| 91-57-6 | 2-Methylnaphthalene | 11 | U |
| 77-47-4 | Hexachlorocyclopentadiene | 11 | U J |
| 88-06-2 | 2,4,6-Trichlorophenol | 11 | U |
| 95-95-4 | 2,4,5-Trichlorophenol | 27 | U |
| 92-52-4 | Biphenyl | 11 | U |
| 91-58-7 | 2-Chloronaphthalene | 11 | U |
| 88-74-4 | 2-Nitroaniline | 27 | U |
| 131-11-3 | Dimethyl phthalate | 11 | U |
| 606-20-2 | 2,6-Dinitrotoluene | 11 | U |
| 208-96-8 | Acenaphthylene | 11 | U |
| 99-09-2 | 3-Nitroaniline | 27 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

TRIP BLANK

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364305Sample wt/vol: 5.00 (g/mL) MLLab File ID: F6153.RRLevel: (low/med) LOWDate Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____

Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|-------------|------------------------|------|------------|----|
| 1. 420-56-4 | FLUOROTRIMETHYL SILANE | 1.77 | 5 | JN |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

| |
|------------|
| TRIP BLANK |
|------------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364305Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6153.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | <u>UG/L</u> | <u>Q</u> |
|---------|----------|-----------------|-------------|----------|
|---------|----------|-----------------|-------------|----------|

| | | | | |
|----------------|---------------------------------------|----|--|---|
| 76-13-1----- | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 10 | | U |
| 1634-04-4----- | Methyl tert butyl ether | 10 | | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 10 | | U |
| 110-82-7----- | Cyclohexane | 10 | | U |
| 108-87-2----- | Methylcyclohexane | 10 | | U |
| 106-93-4----- | 1,2-Dibromoethane | 10 | | U |
| 98-82-8----- | Isopropylbenzene | 10 | | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | | U |
| 96-12-8----- | 1,2-Dibromo-3-chloropropane | 10 | | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | | U |
| 79-20-9----- | Methyl acetate | 10 | | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

| |
|------------|
| TRIP BLANK |
|------------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364305Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6153.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | <u>UG/L</u> | Q |
|---------|----------|-----------------|-------------|---|
|---------|----------|-----------------|-------------|---|

| | | | | |
|----------------|---------------------------|--|----|---|
| 74-87-3----- | Chloromethane | | 10 | U |
| 74-83-9----- | Bromomethane | | 10 | U |
| 75-01-4----- | Vinyl chloride | | 10 | U |
| 75-00-3----- | Chloroethane | | 10 | U |
| 75-09-2----- | Methylene chloride | | 10 | U |
| 67-64-1----- | Acetone | | 10 | U |
| 75-15-0----- | Carbon Disulfide | | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | | 10 | U |
| 67-66-3----- | Chloroform | | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | | 10 | U |
| 78-93-3----- | 2-Butanone | | 10 | U |
| 71-55-6----- | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | | 10 | U |
| 75-27-4----- | Bromodichloromethane | | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5---- | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6----- | Trichloroethene | | 10 | U |
| 124-48-1----- | Dibromochloromethane | | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2----- | Benzene | | 10 | U |
| 10061-02-6---- | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2----- | Bromoform | | 10 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6----- | 2-Hexanone | | 10 | U |
| 127-18-4----- | Tetrachloroethene | | 10 | U |
| 108-88-3----- | Toluene | | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7----- | Chlorobenzene | | 10 | U |
| 100-41-4----- | Ethylbenzene | | 10 | U |
| 100-42-5----- | Styrene | | 10 | U |
| 1330-20-7----- | Total Xylenes | | 10 | U |
| 75-71-8----- | Dichlorodifluoromethane | | 10 | U |
| 75-69-4----- | Trichlorofluoromethane | | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-4

Lab Name: STL Buffalo Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364304

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6159.RR

Level: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004

% Moisture: not dec. _____ Date Analyzed: 04/26/2004

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

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

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|----|------------|---|
| | | | | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-4

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364304Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6159.RRLevel: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|----------------|---------------------------------------|-----------------|------|---|
| 76-13-1----- | 1,1,2-Trichloro-1,2,2-trifluoroethane | | 10 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | | 10 | U |
| 1634-04-4----- | Methyl tert butyl ether | | 10 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | | 10 | U |
| 110-82-7----- | Cyclohexane | | 10 | U |
| 108-87-2----- | Methylcyclohexane | | 10 | U |
| 106-93-4----- | 1,2-Dibromoethane | | 10 | U |
| 98-82-8----- | Isopropylbenzene | | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | | 10 | U |
| 96-12-8----- | 1,2-Dibromo-3-chloropropane | | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | | 10 | U |
| 79-20-9----- | Methyl acetate | | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-4

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364304

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6159.RR

Level: (low/med) LOW Date Samp/Recv: 04/22/2004 04/22/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004

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

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|------------|---------------------------|-----------------|------|---|
| 74-87-3 | Chloromethane | 10 | U | |
| 74-83-9 | Bromomethane | 10 | U | |
| 75-01-4 | Vinyl chloride | 10 | U | |
| 75-00-3 | Chloroethane | 10 | U | |
| 75-09-2 | Methylene chloride | 10 | U | |
| 67-64-1 | Acetone | 6 | J | |
| 75-15-0 | Carbon Disulfide | 10 | U | |
| 75-35-4 | 1,1-Dichloroethene | 10 | U | |
| 75-34-3 | 1,1-Dichloroethane | 10 | U | |
| 67-66-3 | Chloroform | 10 | U | |
| 107-06-2 | 1,2-Dichloroethane | 10 | U | |
| 78-93-3 | 2-Butanone | 10 | U | J |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U | |
| 56-23-5 | Carbon Tetrachloride | 10 | U | |
| 75-27-4 | Bromodichloromethane | 10 | U | |
| 78-87-5 | 1,2-Dichloropropane | 10 | U | |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U | |
| 79-01-6 | Trichloroethene | 10 | U | |
| 124-48-1 | Dibromochloromethane | 10 | U | |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U | |
| 71-43-2 | Benzene | 10 | U | |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U | |
| 75-25-2 | Bromoform | 10 | U | |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U | |
| 591-78-6 | 2-Hexanone | 10 | U | J |
| 127-18-4 | Tetrachloroethene | 10 | U | |
| 108-88-3 | Toluene | 48 | | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U | |
| 108-90-7 | Chlorobenzene | 10 | U | |
| 100-41-4 | Ethylbenzene | 10 | U | |
| 100-42-5 | Styrene | 10 | U | |
| 1330-20-7 | Total Xylenes | 10 | U | |
| 75-71-8 | Dichlorodifluoromethane | 10 | U | |
| 75-69-4 | Trichlorofluoromethane | 10 | U | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

| |
|------|
| MW-3 |
|------|

Lab Name: STL Buffalo

Contract: _____

Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATERLab Sample ID: A4364303Sample wt/vol: 5.00 (g/mL) MLLab File ID: F6158.RRLevel: (low/med) LOWDate Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____

Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0
 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|----|------------|---|
| | | | | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6158.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004

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

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|---------------------------------------|----|---|
| 76-13-1----- | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4----- | Methyl tert butyl ether | 10 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 10 | U |
| 110-82-7----- | Cyclohexane | 10 | U |
| 108-87-2----- | Methylcyclohexane | 10 | U |
| 106-93-4----- | 1,2-Dibromoethane | 10 | U |
| 98-82-8----- | Isopropylbenzene | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8----- | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 79-20-9----- | Methyl acetate | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

MW-3

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364303

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6158.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004

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

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

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|------------|---------------------------|-----------------|------|-----|
| 74-87-3 | Chloromethane | | 10 | U |
| 74-83-9 | Bromomethane | | 10 | U |
| 75-01-4 | Vinyl chloride | | 10 | U |
| 75-00-3 | Chloroethane | | 10 | U |
| 75-09-2 | Methylene chloride | | 10 | U |
| 67-64-1 | Acetone | | 7 | J |
| 75-15-0 | Carbon Disulfide | | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | | 10 | U |
| 67-66-3 | Chloroform | | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | | 10 | U |
| 78-93-3 | 2-Butanone | | 10 | U J |
| 71-55-6 | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5 | Carbon Tetrachloride | | 10 | U |
| 75-27-4 | Bromodichloromethane | | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6 | Trichloroethene | | 10 | U |
| 124-48-1 | Dibromochloromethane | | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2 | Benzene | | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2 | Bromoform | | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6 | 2-Hexanone | | 10 | U J |
| 127-18-4 | Tetrachloroethene | | 10 | U |
| 108-88-3 | Toluene | | 140 | |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7 | Chlorobenzene | | 10 | U |
| 100-41-4 | Ethylbenzene | | 10 | U |
| 100-42-5 | Styrene | | 10 | U |
| 1330-20-7 | Total Xylenes | | 10 | U |
| 75-71-8 | Dichlorodifluoromethane | | 10 | U |
| 75-69-4 | Trichlorofluoromethane | | 10 | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNV Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364302

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6155.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____ Date Analyzed: 04/26/2004

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

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

Number TICs found: 0 CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|----|------------|---|
| | | | | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

| |
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| MW-2 |
|------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364302Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6155.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

| | | | |
|----------------|---------------------------------------|----|---|
| 76-13-1----- | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 10 | U |
| 1634-04-4----- | Methyl tert butyl ether | 10 | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 10 | U |
| 110-82-7----- | Cyclohexane | 10 | U |
| 108-87-2----- | Methylcyclohexane | 10 | U |
| 106-93-4----- | 1,2-Dibromoethane | 10 | U |
| 98-82-8----- | Isopropylbenzene | 10 | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | U |
| 96-12-8----- | 1,2-Dibromo-3-chloropropane | 10 | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | U |
| 79-20-9----- | Methyl acetate | 10 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
EPA ASP 2000 - VOLATILES
ANALYSIS DATA SHEET

Client No.

MW-2

Lab Name: STL Buffalo Contract: _____Lab Code: REONY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364302Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6155.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | UG/L | Q |
|----------------|---------------------------|-----------------|------|-----|
| 74-87-3----- | Chloromethane | | 10 | U |
| 74-83-9----- | Bromomethane | | 10 | U |
| 75-01-4----- | Vinyl chloride | | 10 | U |
| 75-00-3----- | Chloroethane | | 10 | U |
| 75-09-2----- | Methylene chloride | | 10 | U |
| 67-64-1----- | Acetone | | 10 | U J |
| 75-15-0----- | Carbon Disulfide | | 10 | U |
| 75-35-4----- | 1,1-Dichloroethene | | 10 | U |
| 75-34-3----- | 1,1-Dichloroethane | | 10 | U |
| 67-66-3----- | Chloroform | | 10 | U |
| 107-06-2----- | 1,2-Dichloroethane | | 10 | U |
| 78-93-3----- | 2-Butanone | | 10 | U J |
| 71-55-6----- | 1,1,1-Trichloroethane | | 10 | U |
| 56-23-5----- | Carbon Tetrachloride | | 10 | U |
| 75-27-4----- | Bromodichloromethane | | 10 | U |
| 78-87-5----- | 1,2-Dichloropropane | | 10 | U |
| 10061-01-5---- | cis-1,3-Dichloropropene | | 10 | U |
| 79-01-6----- | Trichloroethene | | 10 | U |
| 124-48-1----- | Dibromochloromethane | | 10 | U |
| 79-00-5----- | 1,1,2-Trichloroethane | | 10 | U |
| 71-43-2----- | Benzene | | 10 | U |
| 10061-02-6---- | trans-1,3-Dichloropropene | | 10 | U |
| 75-25-2----- | Bromoform | | 10 | U |
| 108-10-1----- | 4-Methyl-2-pentanone | | 10 | U |
| 591-78-6----- | 2-Hexanone | | 10 | U J |
| 127-18-4----- | Tetrachloroethene | | 10 | U |
| 108-88-3----- | Toluene | | 10 | U |
| 79-34-5----- | 1,1,2,2-Tetrachloroethane | | 10 | U |
| 108-90-7----- | Chlorobenzene | | 10 | U |
| 100-41-4----- | Ethylbenzene | | 10 | U |
| 100-42-5----- | Styrene | | 10 | U |
| 1330-20-7----- | Total Xylenes | | 10 | U |
| 75-71-8----- | Dichlorodifluoromethane | | 10 | U |
| 75-69-4----- | Trichlorofluoromethane | | 10 | U |

C & S ENGINEERS
C & S ENGINEERS - BOONE PARK BROWNFIELDS
EPA ASP 2000 - VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6154.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

% Moisture: not dec. _____ Date Analyzed: 04/26/2004

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

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

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

| CAS NO. | Compound Name | RT | Est. Conc. | Q |
|---------|---------------|----|------------|---|
| | | | | |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

Client No.

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|------|
| MW-1 |
|------|

Lab Name: STL Buffalo Contract: _____Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643Matrix: (soil/water) WATER Lab Sample ID: A4364301Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6154.RRLevel: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

| CAS NO. | COMPOUND | (ug/L or ug/Kg) | <u>UG/L</u> | Q |
|---------|----------|-----------------|-------------|---|
|---------|----------|-----------------|-------------|---|

| | | | | |
|----------------|---------------------------------------|----|--|---|
| 76-13-1----- | 1,1,2-Trichloro-1,2,2-trifluoroethane | 10 | | U |
| 156-60-5----- | trans-1,2-Dichloroethene | 10 | | U |
| 1634-04-4----- | Methyl tert butyl ether | 10 | | U |
| 156-59-2----- | cis-1,2-Dichloroethene | 10 | | U |
| 110-82-7----- | Cyclohexane | 10 | | U |
| 108-87-2----- | Methylcyclohexane | 10 | | U |
| 106-93-4----- | 1,2-Dibromoethane | 10 | | U |
| 98-82-8----- | Isopropylbenzene | 10 | | U |
| 541-73-1----- | 1,3-Dichlorobenzene | 10 | | U |
| 106-46-7----- | 1,4-Dichlorobenzene | 10 | | U |
| 95-50-1----- | 1,2-Dichlorobenzene | 10 | | U |
| 96-12-8----- | 1,2-Dibromo-3-chloropropane | 10 | | U |
| 120-82-1----- | 1,2,4-Trichlorobenzene | 10 | | U |
| 79-20-9----- | Methyl acetate | 10 | | U |

C & S ENGINEERS
 C & S ENGINEERS - BOONE PARK BROWNFIELDS
 EPA ASP 2000 - VOLATILES
 ANALYSIS DATA SHEET

17/1031

Client No.

MW-1

Lab Name: STL Buffalo Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: 3643

Matrix: (soil/water) WATER Lab Sample ID: A4364301

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F6154.RR

Level: (low/med) LOW Date Samp/Recv: 04/21/2004 04/22/2004

Moisture: not dec. _____ Heated Purge: N Date Analyzed: 04/26/2004

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

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L Q

| CAS NO. | COMPOUND | UG/L | Q |
|------------|---------------------------|------|-----|
| 74-87-3 | Chloromethane | 10 | U |
| 74-83-9 | Bromomethane | 10 | U |
| 75-01-4 | Vinyl chloride | 10 | U |
| 75-00-3 | Chloroethane | 10 | U |
| 75-09-2 | Methylene chloride | 10 | U |
| 67-64-1 | Acetone | 10 | U J |
| 75-15-0 | Carbon Disulfide | 10 | U |
| 75-35-4 | 1,1-Dichloroethene | 10 | U |
| 75-34-3 | 1,1-Dichloroethane | 10 | U |
| 67-66-3 | Chloroform | 10 | U |
| 107-06-2 | 1,2-Dichloroethane | 10 | U |
| 78-93-3 | 2-Butanone | 10 | U J |
| 71-55-6 | 1,1,1-Trichloroethane | 10 | U J |
| 56-23-5 | Carbon Tetrachloride | 10 | U |
| 75-27-4 | Bromodichloromethane | 10 | U |
| 78-87-5 | 1,2-Dichloropropane | 10 | U |
| 10061-01-5 | cis-1,3-Dichloropropene | 10 | U |
| 79-01-6 | Trichloroethene | 10 | U |
| 124-48-1 | Dibromochloromethane | 10 | U |
| 79-00-5 | 1,1,2-Trichloroethane | 10 | U |
| 71-43-2 | Benzene | 10 | U |
| 10061-02-6 | trans-1,3-Dichloropropene | 10 | U |
| 75-25-2 | Bromoform | 10 | U |
| 108-10-1 | 4-Methyl-2-pentanone | 10 | U |
| 591-78-6 | 2-Hexanone | 10 | U J |
| 127-18-4 | Tetrachloroethene | 10 | U |
| 108-88-3 | Toluene | 16 | U |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 10 | U |
| 108-90-7 | Chlorobenzene | 10 | U |
| 100-41-4 | Ethylbenzene | 10 | U |
| 100-42-5 | Styrene | 10 | U |
| 1330-20-7 | Total Xylenes | 10 | U |
| 75-71-8 | Dichlorodifluoromethane | 10 | U |
| 75-69-4 | Trichlorofluoromethane | 10 | U |

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.

STL BUFFALO

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-18 12-18

Contract: NY04-001

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 042204

Matrix (soil/water): SOIL

Lab Sample ID: AD420097

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 11.7 | | * | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042204

Matrix (soil/water): SOIL

Lab Sample ID: AD420101

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 35.1 | | * | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042204

Matrix (soil/water): SOIL

Lab Sample ID: AD420103

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): **MG/KG**

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 9.4 | | * | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-19 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042204

Matrix (soil/water): SOIL

Lab Sample ID: AD420102

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 17.3 | | * | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042204

Matrix (soil/water): SOIL

Lab Sample ID: AD420104

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|---|---|
| 7440-38-2 | Arsenic | 60.2 | | * | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-18 12-18/MS

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042204

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 87.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|---------|------------------|------------------------------|----------------------|------------------|-------|---|---|
| Arsenic | 75 - 125 | 16.4246 | 11.6751 | 4.59 | 103.5 | | P |

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420048

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 6.6 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: CLAY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-18 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420070

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 10.9 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-18 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420069

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 33.0 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420067

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 10.4 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420068

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 8.4 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-17 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420066

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 75

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 12.5 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420064

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 13.9 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16 12-18

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420065

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 5.7 | | N* 3 | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers
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 INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-16 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420063

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 35.8 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420061

Level (low/med): LOW

Date Received: 4/22/2004

‡ Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 19.5 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 12-18

Contract: NY04-001

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420062

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 12.8 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420060

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 61.7 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420058

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 8.5 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420059

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 12.2 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 0-6

Contract: NY04-001

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420057

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 6.9 | | N* J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
 -1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420055

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|-----|---|
| 7440-38-2 | Arsenic | 4.4 | | N*J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 12-18

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420056

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 82.4 | | N* | P |

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420054

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 29.9 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-12 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420052

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|----|---|---|
| 7440-38-2 | Arsenic | 12.8 | N* | J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-12 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042202

Matrix (soil/water): SOIL

Lab Sample ID: AD420053

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 55.5 | | N* J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420086

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 77

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 62.9 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420088

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 5.8 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: COLORLESS

Clarity After: CLR/FIL

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420087

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 57.6 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11 0-6

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420089

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 8.2 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11 12-18

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420091

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 10.4 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-11 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420090

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 353 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-12 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420092

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 41.7 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420073

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 17.3 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420094

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 11.2 | | N* | J P |

Color Before: BLACK

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-20 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420093

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 17.5 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-3 0-6

Contract: NY04-001

Lab Code: STLBFL0

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420077

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 8.3 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-3 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420079

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 14.8 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-3 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420078

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 37.1 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-4 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420080

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 5.5 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420082

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 9.6 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420081

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 19.6 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-9 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420083

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 24.2 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-9 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420085

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 6.6 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-9 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042203

Matrix (soil/water): SOIL

Lab Sample ID: AD420084

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 11.2 | | N* | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

SB-2 6-12/MS

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042203

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids for Sample: 85.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| Analyte | Control Limit %R | Spiked Sample Result (SSR) C | Sample Result (SR) C | Spike Added (SA) | %R | Q | M |
|---------|------------------|------------------------------|----------------------|------------------|-------|---|---|
| Arsenic | 75 - 125 | 28.3310 | 17.3258 | 4.66 | 236.2 | N | P |

Comments: _____

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DB-1

Contract: NY04-001

Lab Code: STLBFO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420023

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 79

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 40.0 | | N* J | P |

Color Before: BLACK

Clarity Before: N/A

Texture: CLAY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DB-2

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420024

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 8.3 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: CLAY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DB-3

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420025

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 34.4 | | N* J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: CLAY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DB-4

Contract: NY04-001

Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420026

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 82

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 85.4 | | N* J | P |

Color Before: BROWN

Clarity Before: N/A

Texture: CLAY

Color After: GRAY

Clarity After: CLDY/FI

Artifacts: _____

Comments: _____

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420027

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 5.7 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420029

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 8.1 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420028

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 10.1 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420030

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 87

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 5.6 | | N* | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-4 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420035

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 84

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 8.6 | | N* | P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-4 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420034

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 86

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 11.4 | | N* | J P |

Color Before: BROWN

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-5 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420036

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 10.7 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-5 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420038

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 88

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-------|
| 7440-38-2 | Arsenic | 4.5 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

- **STL BUFFALO****C & S Engineers**

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-5 6-12

Contract: NY04-001Lab Code: STLBFLO

Case No.: _____

SAS No.: _____

SDG NO.: 042201Matrix (soil/water): SOILLab Sample ID: AD420037Level (low/med): LOWDate Received: 4/22/2004% Solids: 81Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|--|---|
| 7440-38-2 | Arsenic | 7.7 | | N* <input checked="" type="checkbox"/> | P |

Color Before: GRAYClarity Before: N/ATexture: SILTColor After: GRAYClarity After: CLDY/FI

Artifacts: _____

Comments: _____

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420039

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 13.0 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420041

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 81

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 10.0 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420040

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 80

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 11.4 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-7 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420042

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 70

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|---|
| 7440-38-2 | Arsenic | 67.1 | | N* | P |

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-7 12-18

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420044

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 85

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|----|-----|
| 7440-38-2 | Arsenic | 11.0 | | N* | J P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

STL BUFFALO

C & S Engineers

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-7 6-12

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420043

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 83

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 24.7 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments:

C & S Engineers
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 0-6

Contract: NY04-001

Lab Code: STLBFLO

Case No.:

SAS No.:

SDG NO.: 042201

Matrix (soil/water): SOIL

Lab Sample ID: AD420045

Level (low/med): LOW

Date Received: 4/22/2004

% Solids: 78

Concentration Units (ug/L or mg/kg dry weight): MG/KG

| CAS No. | Analyte | Concentration | C | Q | M |
|-----------|---------|---------------|---|------|---|
| 7440-38-2 | Arsenic | 28.5 | | N* J | P |

Color Before: GRAY

Clarity Before: N/A

Texture: SILT

Color After: GRAY

Clarity After: CLDY/FI

Artifacts:

Comments: