REPORT

DRAFT

Approved

Site Investigation Report

Niagara Mohawk Power Corporation
Oneida (141 Cedar Street) Former MGP Site
Oneida, New York

April 2001

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BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TECHNICAL REPORT

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1. Introduction

This report summarizes field activities and analytical results of the Site Investigation (SI) conducted at the Former Manufactured Gas Plant (MGP) site at 141 Cedar Street in Oneida, New York (the site) (Figure 1). The SI and subsequent remedial program are being implemented in accordance with a Voluntary Cleanup Agreement (VCA) (Index Number: D7-0001-99-04) for the site issued by the NYSDEC in February 2000. Blasland, Bouck & Lee, Inc. (BBL) performed the SI on behalf of Niagara Mohawk Power Corporation (NMPC) to supply the information needed to support a remedial program for the site, anticipated to consist of the excavation and off-site treatment and disposal of fill materials. The SI was performed in accordance with:

- A May 24, 2000 letter from NMPC to the New York State Department of Environmental Conservation (NYSDEC) (NMPC, 2000) that provided the Cedar Street Site Investigation Work Plan;
- The *Oneida (Sconondoa Street) Former MGP Site Preliminary Remedial Design Work Plan* (BBL, 2000) that provided field and laboratory protocols for the investigations at the 141 Cedar Street site; and
- Letters dated July 14, 2000 and November 3, 2000 from NMPC to the NYSDEC that modified and increased the scope of the activities outlined in the May 24, 2000 Work Plan (copies of these letters are provided in Attachment 1).

2. Site Setting and Background

2.1 Site Description

The site consists of approximately ¼-acre of paved, unoccupied land on the southeast side of Cedar Street in the City of Oneida (the City) (Figure 2). The City owns this property and the adjacent approximately 2½-acre parcel at 129 Cedar Street, as well as the parcels at 147 and 153 Cedar Street (Figure 2). This SI was conducted to meet the requirements of the VCA, and the subsequent remedial program will be conducted to meet the requirements of the VCA. This remedial program will, in turn, assist the City in the redevelopment of these properties as part of a "Brownfields" program. The City has conducted limited demolition activities at the 153 Cedar Street parcel to make the property more desirable for prospective development. As part of the redevelopment program, it is expected that the 141 Cedar Street site will not be readily useable due to the elevation changes between the site and the adjacent properties (i.e., the site is generally higher than the adjacent properties), and accordingly, regrading of the site is anticipated to be required. The site regrading will require excavation and disposal of the materials currently below the site grade.

The site is generally level and is supported by retaining walls of generally poor structural condition along the northeast, southeast, and southwest boundaries. The retaining walls support fill material used to provide a level grade from Cedar Street to the southeastern site boundary. This fill material is approximately 12 feet deep at the southeastern site boundary, tapering to existing grade at Cedar Street, to the northwest. Land on the adjoining properties generally slopes downward from west to east.

In the central-eastern portion of the site, a slight circular depression in the pavement is apparent in the approximate location of a former gasholder. The depression likely resulted from settlement of backfill inside the former holder.

2.2 Site History

A summary of the site history was provided in the November 17, 1999 Phase I Environmental Site Assessment (HYGEIA, 1997) of the adjacent 153 Cedar Street parcel, completed for the City by HYGEIA of N.Y. Inc. (HYGEIA). This assessment found evidence that an MGP, identified as the Oneida Gas Works, was present at 141 Cedar Street sometime before 1890 until no later than 1899. This information is consistent with the general site history discussed in the Stage 1A Cultural Resources Assessment completed for this SI and presented as Attachment 2 to this report. The MGP included a coal shed, a retorts building, a purifying room, and an octagonal gasholder. As discussed in the Cultural Resources Assessment (Attachment 2), a small brass and iron foundry also operated on the southwest portion of the site from before 1890 to sometime between 1895 and 1899. By 1899, the property was occupied by the Oneida Rubber Tire Works and, by 1909, the Coles Tool & Machine Co., which used the former gasholder as a cistern having a 63,000-gallon capacity. By 1923, the gasholder structure had apparently been removed, while the other former MGP structures remained. By 1930, the former MGP structures had been removed, and the site was used for used car sales. By 1956, the building formerly housing the brass foundry had also been removed.

2.3 Previous Investigations of Adjacent Parcels

BBL completed a VISTA Information Solutions (VISTA) database search to provide information regarding nearby properties with environmental records. The database search identified 19 listed sites within ¼-mile and a total of 24 sites within a 1-mile radius. Based on the information presented in the database search, none of these sites had

an apparent environmental impact on the 141 Cedar Street site. The results of this search and a copy of the VISTA report were presented in the Work Plan (NMPC, 2000).

Before BBL's investigation of the site, no site-specific investigations had been completed. Harza Engineering Company (Harza) had completed site investigations of the adjacent City-owned 129 and 153 Cedar Street parcels (Harza, 2000a; 2000b). Harza found no apparent effects of MGP-related constituents in the subsurface or groundwater at the 129 and 153 Cedar Street parcels. Harza also reported that groundwater flow beneath the 129 and 153 Cedar Street parcels is generally from west to east and that groundwater flow from the site is likely toward Oneida Creek, approximately ¼-mile northeast. Some of the monitoring wells installed by Harza are located generally downgradient of the 141 Cedar Street parcel. As presented in the Harza reports, no volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, or polychlorinated biphenyls (PCBs) were detected in any groundwater samples from the 129 and 153 Cedar Street parcels. Cyanide was detected in two groundwater samples collected from monitoring wells MW-2 and MW-4, at the 129 Cedar Street parcel, at a concentration of 1 part per billion (ppb) in each sample. Cyanide was also detected in three groundwater samples collected from monitoring wells MW-1 and MW-3, at the 153 Cedar Street parcel, and from monitoring well MW-2, located upgradient and off site of the 153 Cedar Street parcel, at a concentration of 1 ppb in each sample. These results are orders of magnitude below the New York State Groundwater Quality Standard of 200 ppb for cyanide.

2.4 Site Historical Investigation

BBL researched historical information to further understand historical features and operations in the area of the site to assist in defining the nature and extent of MGP impacts, if any, at and in the vicinity of the site. Based on an 1875 Atlas of Madison County (Beer's, 1875), what appears to be a tailrace was located southeast of the site or along the southeastern portion of the site (Figure D.3 of Attachment 2). Additional investigations, beyond those originally proposed in the Work Plan, were completed along the presumed axis of this apparent tailrace to assess potential impacts of former MGP on the tailrace. The results of these investigations are discussed in the following sections.

3. Site Investigation Activities and Results

To facilitate the City's redevelopment of the Cedar Street parcels and to meet the requirements of the VCA, BBL performed SI activities from July to December 2000. The SI provided data necessary to develop and evaluate appropriate soil excavation and disposition alternatives for the site and to develop a soil removal and construction program (including limits of removal) that will be detailed in a Remedial Work Plan in accordance with Paragraph I.D.2 of the VCA. The SI consisted of the following components:

- Site Survey;
- Cultural Resources Assessment;
- Soil Investigation (consisting of waste characterization sampling, Resource Conservation and Recovery Act [RCRA] characterization, and delineation sampling); and
- Groundwater Investigation.

The SI activities were performed in accordance with the Work Plan and, as generally discussed in Section 1, the following supporting documents:

- The *Field Sampling Plan* included in the *Oneida (Sconondoa Street) Former MGP Site Preliminary RD Work Plan* (Sconondoa Street RD Work Plan) (BBL, 2000), which presents field protocols used during the SI;
- The *Quality Assurance Project Plan* included in the Sconondoa Street RD Work Plan, which provides general and laboratory procedures, including quality assurance/quality control (QA/QC) procedures used during the SI; and
- The *Health and Safety Plan (HASP) Addendum*, included as Attachment 1 to the Work Plan, which augments the HASP provided in the Sconondoa Street RD Work Plan. These documents provide project-specific health and safety procedures followed by field personnel during the SI.

Supporting documents from the Sconondoa Street RD Work Plan were used for this site because the SI was conducted in conjunction with the RD activities at the Oneida (Sconondoa Street) Former MGP Site. The sites are close to one another, and the constituents of potential concern are similar at both sites, since both sites supported MGP facilities.

3.1 Site Survey

Before field-sampling activities were conducted, the site was surveyed to create a site map and to assist in anticipated soil removal activities to be conducted as a remedial program. The result of this site survey was the development of a base map, which is provided as Figure 2.

3.2 Cultural Resources Assessment

Binghamton University, as a subcontractor to BBL, conducted a Stage IA Cultural Resources Assessment of the site, consisting of background research, a walkover, and an assessment of the cultural resources. The walkover of

the site was conducted before intrusive aspects of the field investigation began. The results of the Stage IA Cultural Resources Assessment are summarized in Attachment 2. The assessment found that the site has limited research potential with respect to 19th-20th century commerce and industry in the City, and there appears to be limited potential for prehistoric sites within the area of the site. The assessment report found that, based on the results of the Phase IA survey, a Stage IB archeological survey is not warranted for the 141 Cedar Street parcel.

3.3 Soil Investigation

The soil investigation program consisted of three components as outlined below.

- *Waste Characterization* - Site soils, which may be removed for off-site treatment, were characterized using the criteria required by Environmental Soil Management of New York, LLC (ESMI). The ESMI criteria were used because NMPC anticipates that the soil to be excavated from the site may contain MGP residuals. (NMPC has used ESMI for treatment of MGP-impacted soils from other sites.)

- *RCRA Characterization* - Site soils that may be removed were characterized using RCRA characterization analyses for ignitability, corrosivity, reactivity, and full Toxicity Characteristic Leaching Procedure (TCLP) analytes to assess whether the soils would be characteristically hazardous.

- *Delineation Sampling* - Delineation sampling was performed to determine if constituents of concern (both MGP-related and non-MGP-related constituents) are present in soils below those that may be excavated during the remedial program, or if MGP-related constituents have affected the surface or subsurface soils of the City-owned adjoining properties. A secondary objective of this program was to locate the fill or native material (e.g., peat, silt) interface, thus defining the thickness of fill material on and around the site.

The soil investigation included drilling 16 soil borings, excavating 5 test pits, and collecting 27 subsurface soil samples to address the objectives stated above. Figure 2 shows the investigation locations, and Table1 summarizes the analytical samples collected at each location. Soils encountered in the test pits and soil samples collected from the soil borings were characterized by a geologist and screened with a photoionization detector (PID) for the presence of detectable VOCs, if any. Subsurface conditions encountered at each soil boring and test pit are summarized in Attachment 3.

3.3.1 Waste Characterization Sampling

Seven soil samples were collected from soil borings SB-1 through SB-5 for soil characterization (Figure 2). This number of samples meets ESMI's requirements for disposal of 2,500 cubic yards (cy) of soil, the estimated volume of fill expected to be excavated as calculated from the approximate dimensions of the site. In accordance with the Work Plan, samples were collected as follows:

- One shallow soil boring (SB-1) was advanced in the western portion of the site, where the fill is relatively thin.

- Two borings (SB-2 and SB-3) were advanced in the eastern portion of the site, where the fill thickness is greater. From each of these borings, two samples were collected and divided approximately into equal upper and lower intervals.

- Soil borings SB-4A and SB-5 were advanced just outside the holder's perimeter and in the approximate center of the former gasholder, respectively. A sample was collected from each of these borings to represent the entire thickness of fill.

At the request of NYSDEC, a test pit (TP-1) was excavated within the location of the former gasholder to determine the contents and integrity of the former gasholder, if present. The test pit was installed to the presumed bottom of the former gasholder at a depth of approximately 10 feet below ground surface (bgs). Only apparent demolition debris (bricks, concrete, metal) was observed in the location of the former holder, and no MGP-related material was observed in the test pit; therefore, no samples were collected for waste characterization. The test pit was visually characterized by depth and photographed. A test pit log is provided in Attachment 3. The test pit was subsequently backfilled with the material removed from this test pit. The location of this test pit is shown on Figure 2.

Samples collected for soil characterization were homogenized across the sample interval defined in the Work Plan. A summary of the waste characterization analytical results of samples collected for potential treatment and disposal is presented in Table 2. Laboratory reports are provided in Attachment 4. The locations of the soil borings are shown on Figure 2.

3.3.2 RCRA Characterization

In accordance with the Work Plan, three discrete soil samples were collected from soil borings SB-2, SB-3, and SB-5 (Figure 2). The samples were submitted for laboratory analysis for ignitability, corrosivity, reactivity, and full TCLP analytes to determine if the soil exhibits the characteristic(s) of a RCRA hazardous waste for treatment and disposal purposes. Sampling locations were determined based on PID readings, odors, staining, or tars observed in the soil. Samples were generally collected from intervals exhibiting characteristics typical of the materials at the site (i.e., not biased toward the most/least visually or PID-impacted soils). Table 1 summarizes the intervals from which these samples were collected.

Based on the analytical results of these samples, the soil is not characterized as a RCRA hazardous waste. However, a homogenized waste characterization soil sample collected (for potential disposal at ESMI) from soil boring SB-3 (6 to 12 feet bgs) contained lead in the TCLP extract at a concentration of 5.46 parts per million (ppm) (regulatory level in the TCLP extract is 5 ppm). All of the other nine results for TCLP lead extract samples were below 0.78 ppm, with a geometric mean of 0.22 ppm for all 10 lead extract samples, suggesting that lead is not a pervasive or widespread issue at the site. Additionally, the material that comprised the sample from SB-3 was noted to consist entirely of shattered brick over 4 feet of the 6-foot sample interval. While brick was observed elsewhere at and near the site, no other subsurface exploration location, completed as part of this investigation, encountered such extensive thicknesses of brick. A summary of the RCRA hazardous waste characterization analytical results is presented in Table 3 and the laboratory reports are provided in Attachment 4.

3.3.3 Delineation Sampling

Fifteen discrete soil samples were collected from soil borings and test pits to determine the soil quality at the base of the soil expected to be excavated during the remedial program (i.e., below the depth of the retaining wall) and to define the horizontal extent of MGP-related materials immediately southeast of the site. Ten of these samples were collected from soil borings and submitted for full Target Compound List/Target Analyte List (TCL/TAL) analysis and total cyanide analysis, and five were collected from four off-site test pits and submitted for analysis of polycyclic aromatic hydrocarbons (PAHs). The installation of these additional test pits was in accordance with a November 3, 2000 letter from NMPC to NYSDEC (Attachment 1). Locations of soil samples were determined based on PID readings, odors, staining, or tars observed in the soil. Analytical samples were generally collected from intervals exhibiting no apparent impacts, thus providing a "clean" sample result that would define the limit of the effected materials. Table 1 summarizes the location and interval for these samples, and Figure 2 shows the

locations of the respective soil borings and test pits. Subsurface logs for these investigations are provided in Attachment 3.

During the initial phase of work (installation of soil borings SB-1 through SB-5), tar was observed in only one soil boring (SB-2) at an approximate depth of 16.5 feet bgs. Due to the presence of tar in this boring, four additional soil borings (SB-6 through SB-9) were installed both on and off the 141 Cedar Street parcel during a second mobilization in August 2000. The specific rationale for installing each of the four additional soil borings was presented in a July 14, 2000 letter from NMPC to NYSDEC (provided in Attachment 1). Tar was observed in one of these off-site soil borings (SB-8) at a depth from 4 to 5.2 feet bgs. To further define the extent of MGP-related impacts observed in SB-8 to the southeast of the site, six additional soil borings (SB-10 through SB-15) were installed on the 153 Cedar Street parcel. Tar was observed on gravel from the 4 to 5 feet bgs interval in boring SB-11 and in soil boring SB-12 from 3 to 3.5 feet bgs. Tar, however, was not observed in soil borings SB-10 and SB-15, installed to define the southeastern extent of tar observed in SB-11 and SB-12. In all such cases where tar was observed, the tar was black and highly viscous. A description of the materials encountered in each of the soil borings is provided in Attachment 3.

In accordance with a November 3, 2000 letter from NMPC to NYSDEC (Attachment 1), four additional test pits (TP-2 through TP-5) (Figure 2) were installed on December 7, 2000 on the 153 Cedar Street parcel to assess the possible migration of potentially MGP-related constituents along a former tailrace channel and to further delineate the presence of tar observed in soil borings southeast of the site. Tar was not observed in any of these test pits. While the November 3, 2000 letter discussed only visual characterization of the subsurface materials from these test pits, analytical samples collected from these test pits were analyzed for PAHs to provide further confirmation as to the lack of MGP-related materials in the areas investigated.

The soil sample collected from SB-2 (10 to 12 feet bgs) was not considered "delineation" samples because this sample was collected from within the material assumed to be excavated during the impending remedial program. Therefore, the analytical result of this sample is not included in the discussion of delineation sampling results below. Table 4 presents the soil analytical results, and Figure 3 presents a distribution of total benzene, toluene, ethylbenzene, and xylene (BTEX), total PAHs, and total cyanide detected in the delineation soil samples. A data usability report of the soil delineation data was prepared by BBL and is provided in Attachment 4.

Where appropriate, analytical results from the site investigations of the 129 and 153 Cedar Street parcels are cited for comparison purposes (Harza, 2000a; 2000b). The visual descriptions of soil and the analytical results of one sample collected from a test pit (129-TP-6, collected at 6 feet bgs) (Figure 2), installed immediately north of the site during the 129 Cedar Street site investigation, were used to help define the limits of potentially MGP-related material to the north.

3.3.3.1 BTEX

Total BTEX concentrations ranged from nondetect in soil samples collected from soil borings SB-4A (13 to 15 feet bgs), SB-6 (16 to 18 feet bgs and 18 to 20 feet bgs), SB-13 (4 to 6 feet bgs), and SB-15 (4 to 6 feet bgs) to 170 ppm at soil boring SB-2 (19 to 23 feet bgs). The elevated total BTEX concentration in the soil sample collected from SB-2 (19 to 23 feet bgs) is likely associated with the tar observed in this boring at approximately 16.5 feet bgs. BTEX was also detected at 35 ppm in a soil sample collected from soil boring SB-8 (6.5 to 8 feet bgs). Tar was also observed in this soil boring at 4.5 to 6 feet bgs.

Concentrations of BTEX were not detected in a soil sample collected immediately north of the site from test pit TP-6 (6 feet bgs) installed during the 129 Cedar Street investigation. Tar was also not observed in soils from this test pit.

3.3.3.2 PAHs

Total PAH concentrations ranged from nondetect for soil samples collected from soil boring SB-6 (16 to 18 feet bgs and 18 to 20 feet bgs) to 1,699.8 ppm in a sample collected from soil boring SB-2 (19 to 23 feet bgs). As discussed above for the total BTEX concentrations in this sample, the elevated total PAH concentration in the sample collected from SB-2 is likely due to the presence of tar observed in a sampling interval above, at 16.5 feet bgs. The next highest total PAH level (1,097.1 ppm) was detected in soil boring SB-1 at 4 to 6 feet bgs. This elevated PAH concentration may be attributed to the presence of treated timbers observed in soil immediately above the 4 to 6 feet bgs interval. All other delineation samples, both on site and off site, had concentrations of total PAHs less than 500 ppm, and only one of those samples (SB-10, 4 to 7 feet bgs) had a concentration greater than 100 ppm (162 ppm). A soil sample collected immediately north of the site from test pit 129-TP-6 (6 feet bgs) (installed during the 129 Cedar Street investigation) contained 29.8 ppm of total PAHs.

3.3.3.3 Cyanide

Total cyanide concentrations ranged from nondetect for samples collected from soil borings SB-1 (4 to 6 feet bgs), SB-2 (10 to 12 feet bgs), SB-4A (13 to 15 feet bgs), SB-8 (6.5 to 8 feet bgs), SB-13 (4 to 6 feet bgs), and SB-14 (5 to 7 feet bgs) to 22.4 ppm in a sample collected from SB-3 (12 to 14 feet bgs). The concentration of total cyanide detected in other soil samples ranged from 0.86 to 14.9 ppm. Cyanide was not detected in test pit 129-TP-6 (6 feet bgs) installed immediately north of the site during the 129 Cedar Street investigation.

3.3.3.4 PCBs, Pesticides, and Inorganics

PCBs were not detected in any soil samples collected during the SI field activities (including the waste characterization soil sampling). PCBs also were not detected in test pit 129-TP-6 (6 feet bgs) installed immediately north of the site during the 129 Cedar Street investigation.

Pesticides were detected in three of the 10 delineation samples collected for pesticide analysis. One of these samples, SB-2 (19 to 23 feet bgs), did contain a concentration of a heptachlor epoxide (0.061 ppm) slightly above the Recommended Soil Cleanup Objective (0.02 ppm) specified in NYSDEC's Technical Administrative Guidance Memorandum (TAGM) 4046.

The analytical results indicate that all 10 samples analyzed for inorganics contain concentrations of two or more inorganics above the Recommended Soil Cleanup Objectives specified in TAGM 4046. The inorganics detected above the Recommended Soil Cleanup Objective are summarized in the table below.

Inorganic	TAGM 4046 (ppm)	Number of Exceedances	Range of Exceedances (ppm)	Highest Detected at 141 Cedar Street	Range of Concentrations Detected at 129/153 Cedar Street
Arsenic	7.5 or SB	1	34.7	SB-2 (19 to 23 feet bgs)	1.0 (129-MW-3[8-12]) to 708 (129-MW-2[8-12])
Beryllium	SB (0.24)	5	0.24 to 0.4	SB-6 (16 to 18 feet bgs)	0.2 (153-SB-3[12-16]) to 1.21 (153-TP-2[2.7])
Cadmium	10	1	10.6	SB-13 (4 to 6 feet bgs) Duplicate	0.15 (129-MW-3[8-12]) to 2.0 (129-MW-1[12-14])
Copper	25 or SB	3	26.2 to 77.9	SB-13 (4 to 6 feet bgs)	10.5 (153-SB-3[12-16]) to 85.3 (129-TP-1[5])
Iron	SB (10,200)	6	11,000 to 27,900	SB-2 (19 to 23 feet bgs)	7,930 (153-MW-1[4-6])to 33,200 (153-TP-2[2.7])
Mercury	0.1	7	0.13 to 1.5	SB-14 (5 to 7 feet bgs)	0.031 (129-MW-1[12-14]) to 6.88 (129-TP-1[5])
Nickel	13 or SB	1	18.6	SB-2 (19 to 23 feet bgs)	8.2 (153-SB-3[12-16]) to 28.6 (153-TP-2[2.7])
Zinc	SB (28.4)	5	78 to 9,040J	SB-13 (4 to 6 feet bgs)	24.1 (153-SB-3[12-16]) to 833 (153-TP-1[0-4])

Notes
SB = Site background. Value given in parentheses is from a background sample (153-MW-2 [8 to 12 feet bgs]) collected during the site investigation for the 153 Cedar Street parcel (Harza, 2000b).
J = Concentrations of zinc in 4 of the 5 samples exceeding the site background concentration were all estimated concentrations, and the laboratory duplicate analyses were not within control limits.

Although several soil samples exhibited concentrations of inorganics at levels exceeding the TAGM 4046 Recommended Soil Cleanup Objectives, with the exception of cadmium and zinc, the concentrations were within the range of the concentration of inorganics detected in subsurface soil samples collected during the site investigations completed at the adjoining 129 and 153 Cedar Street parcels (Harza, 2000a; 2000b). The one soil sample that exceeded the TAGM Recommended Soil Cleanup Objective level for cadmium was only slightly higher (10.6 ppm compared with 10.0 ppm) than the TAGM level, suggesting that this is not a pervasive or widespread issue at the site. Zinc concentrations, however, are generally much higher than the background concentrations and the concentrations observed elsewhere at the adjacent 129 and 153 Cedar Street parcels. This suggests that, with the exception of zinc, the inorganic constituents detected in soil in and around the site are not attributed to the former site activities, but may be attributed to either background or other potential localized sources. Zinc, however, may be present at the site due to the historical use of the property. As indicated by the Cultural Resources Assessment (Attachment 2), an iron and brass foundry existed at the site from before 1890 to sometime between 1895 and 1899. Zinc is a primary component of brass, suggesting that the zinc may be present as a result of the historical use of the site as a brass foundry and not as a result of the use of the site as an MGP. Furthermore, the concentrations of zinc detected in soil on and around the site were well below the NYSDEC TAGM 3028 Action Level and below the United States Environmental Protection Agency (USEPA) Region III Risk-Based Concentration Residential Screening Level of 23,000 ppm.

3.4 Groundwater Investigation

The SI activities also included the installation of a temporary monitoring well (PZ-1) at one of the soil boring locations (SB-9) presumed to be located downgradient from the site. This temporary monitoring well was installed on August 10, 2000, and a filtered and nonfiltered groundwater sample was collected from this well on August 15, 2000 for analysis of TCL/TAL constituents and total cyanide, as detailed in the Work Plan. The temporary well was abandoned on December 7, 2000 by hand-pulling the screen and riser and backfilling the borehole with bentonite chips.

VOCs, SVOCs, PCBs, pesticides, and total cyanide were not detected in the filtered or nonfiltered groundwater sample. A total of four inorganic constituents (aluminum, iron, selenium, and zinc) were detected in one or both of the filtered/unfiltered samples at concentrations above the New York State Ambient Groundwater Standards (Technical and Operational Guidance Series [1.1.1] Memorandum, June 1998). As shown in the table below, with the exception of zinc, the levels of these inorganic constituents are consistent with the levels of inorganics detected in nonfiltered groundwater samples collected from monitoring wells during the 129 and 153 Cedar Street site investigations (Harza, 2000a; 2000b). The elevated concentrations of zinc maybe the result of the elevated concentrations of zinc in soil at the 141 Cedar Street parcel. The elevated zinc concentrations in soil are attributed to the historical use of the site as a brass foundry.

Inorganic	NYS TOGS Standard (ppb)	PZ-1 (ppb)	Range at 129/153 Cedar Street (ppb)
Aluminum	100	210 (total)	164 (129-MW-4) to 25000 (129-MW-1)
Iron	300	790 (dissolved) & 1,400 (total)	294 (129-MW-4) to 68200 (129-MW-1)
Selenium	10	19 (dissolved)	Not Detected (129-MW-4) to 97.2 (129-MW-1)
Zinc	300	1,100 (dissolved) & 1,300 (total)	92.7 (153-MW-3) to 478 (129-MW-1)

The full list of analytical results is presented in Table 5. The groundwater analytical results are provided as a "results only" data package in Attachment 4.

In addition, a round of water level measurements was collected from this temporary well and the existing monitoring wells on the 129 and 153 Cedar Street properties to further assess the groundwater flow patterns near the 141 Cedar Street property. The water level measurements are summarized in Table 6. As shown on Figure 4, shallow groundwater flows in a southeasterly direction.

4. Conclusions and Recommendations

4.1 Summary

This section provides a summary of the site conditions encountered and the analytical results completed during this investigation.

4.1.1 Site Conditions

Fill material at the site ranges in thickness from approximately 4 feet near Cedar Street, at soil boring SB-1, to approximately 19 feet near the southern corner of the site, at soil boring SB-2. The fill material on site is composed primarily of a fine to coarse sand and gravel with varying amounts of demolition debris (e.g., brick, concrete, asphalt, wood, and metal) and potential MGP-related waste materials (e.g., cinders, coal, ash, slag, and minor amounts of tar). A soil boring and test pit completed inside of the former gasholder indicates the floor of the holder is at approximately 10 feet bgs. Immediately southeast of the site retaining wall on the 153 Cedar Street parcel, the fill is approximately 5 to 6 feet thick. The upper 2 to 4 feet of fill in this area consists primarily of a brown fine sand, likely resulting from the recent "Brownfields" remediation activities completed on this parcel. The lower portion of the fill in this off-site area is composed of a fine to coarse sand and gravel with demolition debris (e.g., brick, concrete, and wood) and potential MGP-related waste materials (e.g., cinders, slag, and very locally, tar). Both on site and off site, the fill is underlain by a fine sand and silt, peaty silt, or clay, depending on location.

On site, the groundwater table lies approximately 12 to 14 feet bgs, while immediately southeast of the site on the 153 Cedar Street parcel, the water table was observed at approximately 2.5 feet bgs. The difference in depth to water is a direct result of the ground surface elevation difference between the on-site area and the off-site areas. Shallow groundwater flow is generally from west to east across the site. A groundwater sample collected during the SI, approximately 40 feet downgradient from the site at PZ-1, and previous groundwater analytical results from monitoring well 129-MW-4, also located downgradient of the site, indicate that potential MGP-related constituents detected in soil are not affecting groundwater downgradient of the 141 Cedar Street parcel.

4.1.2 Analytical Results

Three distinct types of soil sampling were completed as part of this investigation: waste characterization, to characterize the soil which may be removed from the site for off-site treatment by ESMI; RCRA characterization, to assess whether the soil which may be removed from the site would be classified as characteristically hazardous; and delineation sampling, to assess the nature of the material which would remain on site following a potential soil removal scenario. Each of these is discussed below.

4.1.2.1 Waste Characterization

Based on a discussion with ESMI, ESMI will need to review the data collected to assess whether the soil, which may be removed from the site, would be acceptable for treatment at the ESMI facility. This assessment will be undertaken as part of the Remediation Work Plan development.

4.1.2.2 RCRA Characterization

None of the samples collected specifically to assess RCRA characterization exceeded any of the RCRA limits. Based on this information the material at the site would be considered nonhazardous. However, one sample collected as part of the ESMI waste characterization program was slightly over the regulatory level for lead and would be considered characteristically hazardous for lead. All of the other nine RCRA characterization samples collected for lead were well below the lead limit, as is the mean lead concentration for all samples. Additionally, the sample that failed for lead was collected from material that was composed mostly of shattered brick, suggesting that the brick at this location may be responsible for the elevated lead concentration.

4.1.2.3 Delineation Sampling

To assess the nature of the material that would remain on site following a potential soil removal program, the delineation sampling was targeted toward collection of native soils below the fill materials at and near the site. The results indicate that, in general, removal of the fill materials at the site and a limited removal of fill off site would leave soil at or near the ground surface, which is similar to the soil quality in background areas or present at the adjacent 129 and 153 Cedar Street parcels. Localized removal of native materials would likely be required in the area of the boring SB-2 (on site) and at and near SB-8/SB-11 (off site) to remove materials observed to contain "tar" and the adjacent underlying soil containing elevated concentrations of BTEX and/or PAHs. Additional native soil removal would be required in the vicinity of SB-1 where treated timbers and associated underlying PAH/BTEX-containing native soils were encountered. Based on a meeting between NMPC, BBL, NYSDEC, and the City of Oneida at the site on October 19, 2000 to discuss the "Brownfields" program and the 129, 141, and 153 Cedar Street parcels, the meeting attendees discussed the use of a visual MGP-impacted removal criteria combined with a 500 ppm total PAH remediation level, assuming a cover/cap will be placed over the area and used for commercial purposes, as an acceptable remediation level for the 141 Cedar Street site and areas immediately adjacent to the site. This level has been used to implement remedial activities at other MGP sites under the consent of the NYSDEC. With the exception of the soil samples collected from on-site soil borings SB-1 (4 to 6 feet bgs) and SB-2 (19 to 23 feet bgs), the total PAH concentrations detected in non-fill soil samples collected during the SI, both on site and off site, are less than 500 ppm. Because the elevated BTEX concentrations were detected only at the locations where there were elevated total PAH concentrations, removal of the soil with elevated PAH concentrations and tar, would concurrently remove the soil with elevated BTEX concentrations.

The delineation sampling also included the analysis of cyanide (all samples below TAGM 4046 Recommended Soil Cleanup Objectives), PCBs (all nondetect), pesticides (all below TAGM 4046 Objectives, except of one sample which would be removed based on the elevated PAH concentrations) and inorganic compounds. All inorganic compounds with the exception of cadmium and zinc were either below TAGM 4046 Objectives, or below concentrations of these metals on the adjacent 129 and 153 Cedar Street parcels. Cadmium was only slightly above the TAGM objective (10.6 ppm vs. 10.0 ppm). Zinc concentrations were above the background levels; however, a brass foundry (zinc is a primary constituent of brass) was located at the site before 1900, and may be the reason that elevated zinc concentrations are present in site. The concentrations of zinc detected in soil on and around the site were below the TAGM 3028 Action Level and USEPA Region III Risk Based Concentration Residential Screening Level of 23,000 ppm.

4.1.3 Fill Materials

As discussed above, a limited extent of MGP-impacted material was observed in the native materials underlying the site and in the fill/native materials outside the retaining wall along the southeastern site boundary, as indicated

by tar-containing soils in SB-2 on site and at two borings (SB-8 and SB-11) immediately southeast of the 141 Cedar Street retaining wall. Although the tar-containing soils observed in SB-2, SB-8, and SB-11 are believed to be delineated, the extent of impacted soil at SB-1 is not well defined. Elevated PAH and BTEX concentrations were detected in the soil sample from SB-1 (4 to 6 feet bgs); however, this sample was collected immediately below an interval of soil containing treated timbers. The elevated concentration of the constituents detected in soil boring SB-1 (4 to 6 feet bgs) may be attributed to the presence of treated timbers observed immediately above the 4 to 6 feet bgs interval.

4.2 Recommendations

To assess the distribution of the PAHs and BTEX detected in SB-1, NMPC recommends limited additional investigation activities in this area. To address this data gap, NMPC will provide the NYSDEC with a letter work plan.

Upon completion of the additional field activities and evaluation of the resulting data, NMPC will provide the NYSDEC with a brief letter report discussing the findings of the additional work. Based on those findings, NMPC will develop a remedial program to remove the material within the retaining wall and MGP-related materials observed outside the retaining wall for subsequent off-site disposal/treatment in accordance with the VCA for this site. The Remediation Work Plan will be developed and submitted to the NYSDEC upon the NYSDEC's acceptance of this summary report.

5. References

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Tables

TABLE 1

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SAMPLE SUMMARY

Location ID	Depth	Date	Type	Matrix	RCRA Hazardous Waste Sampling	Treatment/Disposal Sampling (ESMI)	Delineation Sampling
SB-1	(0 - 4')	7/18/00	FS	Soil		X	
SB-1	(4 - 6')	7/18/00	FS	Soil			X
SB-2	(0 - 2')	7/19/00	FS	Soil	X		
SB-2	(0 - 6')	7/19/00	FS	Soil		X	
SB-2	(6 - 10')	7/19/00	FS	Soil		X	
SB-2	(10 - 12')	7/19/00	FS	Soil			X
SB-2	(10 - 12')	7/19/00	DUP	Soil			X
SB-2	(19 - 23')	7/19/00	FS	Soil			X
SB-3	(0 - 6')	7/19/00	FS	Soil		X	
SB-3	(6 - 12')	7/19/00	FS	Soil		X	
SB-3	(10 - 12')	7/19/00	FS	Soil	X		
SB-3	(12 - 14')	7/19/00	FS	Soil			X
SB-4A	(7 - 13')	7/20/00	FS	Soil		X	
SB-4A	(13 - 15')	7/20/00	FS	Soil			X
SB-5	(0 - 8')	7/20/00	FS	Soil		X	
SB-5	(8 - 10')	7/20/00	FS	Soil	X		
SB-6	(16 - 18')	8/8/00	FS	Soil			X
SB-6	(18 - 20')	8/8/00	FS	Soil			X
SB-8	(6.5 - 8')	8/10/00	FS	Soil			X
SB-10	(4 - 7')	8/10/00	FS	Soil			X
SB-13	(4 - 6')	8/10/00	FS	Soil			X
SB-13	(4 - 6')	8/10/00	DUP	Soil			X
SB-14	(5 - 7')	8/10/00	FS	Soil			X
SB-15	(4 - 6')	8/10/00	FS	Soil			X
TP-2	(3')	12/7/00	FS	Soil			X[1]
TP-2	(3')	12/7/00	DUP	Soil			X[1]
TP-3	(6')	12/7/00	FS	Soil			X[1]
TP-4	(6')	12/7/00	FS	Soil			X[1]
TP-4	(3')	12/7/00	FS	Soil			X[1]
TP-5	(5')	12/7/00	FS	Soil			X[1]
PZ-1		8/15/00	FS	Water			X

Notes:

1. [1]Sampled for PAHs only.
2. RCRA Hazardous Waste Sampling = TCLP VOCs, TCLP SVOCs, TCLP Pesticides/Herbicides, TCLP metals, Corrosivity, pH, Reactive Cyanide, Ignitability, and Reactive Sulfide. Analyses completed by Galson Laboratories.
3. Treatment/Disposal Sampling (ESMI) = SVOCs, TCLP Metals, PCBs, Total Benzene, % Sulfur, Total organic halides (TOX), Total petroleum hydrocarbons (TPH), and Total cyanide. Analyses completed by Phoenix Environmental Laboratories, Inc.
4. Delineation Sampling = TCL VOCs (NYSDEC ASP 95-1 Methods), TCL SVOCs and PAHs (NYSDEC ASP 95-2 Methods), TCL Pesticides (NYSDEC ASP 95-3 Methods), TCL PCBs (NYSDEC ASP 95-3 Methods), and TAL Inorganics (Method CLP-M). Analyses completed by Galson Laboratories.

TABLE 2

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL WASTE CHARACTERIZATION RESULTS - POTENTIAL DISPOSAL/TREATMENT AT ESMI

Sample ID	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4A	SB-5
Date Collected	**7/18/00**	**7/19/00**	**7/19/00**	**7/19/00**	**7/19/00**	**7/20/00**	**7/20/00**
Sample Depth (ft.)	**0-4**	**0-6**	**6-10**	**0-6**	**6-12**	**7-13**	**0-8**
Metals by TCLP(mg/L)							
Mercury	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Arsenic	0.03	0.01 U	0.01 U	0.02	0.01 U	0.04	0.01 U
Barium	0.49	0.77	1.61	0.47	0.49	0.49	1.64
Cadmium	0.005 U	0.005 U	0.019	0.005 U	0.008	0.005 U	0.006
Chromium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Lead	0.101	0.101	0.406	0.129	5.46	0.096	0.147
Selenium	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PCBs (ug/Kg)							
Aroclor-1016	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1221	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1232	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1242	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1248	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1254	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1260	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1262	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Aroclor-1268	400 U	400 U	400 U	400 U	400 U	400 U	400 U
Total Benzene (ug/Kg)	4400	5.0 U	500 U	5.0 U	5.0 U	5.0 U	5.0 U
Sulfur %	0.2	0.065	0.056	0.087	0.082	0.02	0.08
TOX (mg/Kg)	25 U	25 U	25 U	25 U	25 U	25 U	25 U
TPH (mg/Kg)	240	40 U	160	720	40 U	23 U	540
Total Cyanide (mg/Kg)	2.87	0.22 U	51.8	0.296	2.24	0.21 U	1.12
Semivolatile Organic Compounds (mg/Kg)							
1,2,4-Trichlorobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Dichlorobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
1,2-Diphenylhydrazine	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
1,3-Dichlorobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
1,4-Dichlorobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4,5-Trichlorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4,6-Trichlorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dichorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dimethylphenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,4-Dinitrophenol	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
2,4-Dinitrotoluene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,6-Dichorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2,6-Dinitrotoluene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U

See Notes on Page 3.

TABLE 2

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL WASTE CHARACTERIZATION RESULTS - POTENTIAL DISPOSAL/TREATMENT AT ESMI

Sample ID	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4A	SB-5
Date Collected	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	7/20/00
Sample Depth (ft.)	0-4	0-6	6-10	0-6	6-12	7-13	0-8
Semivolatile Organic Compounds (mg/Kg) (continued)							
2-Chloronaphthalene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Chlorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylnaphthalene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Methylphenol (o-cresol)	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
2-Nitroaniline	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
2-Nitrophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
3,3'-Dichlorobenzidine	66 U	0.66 U	6.6 U	0.66 U	0.66 U	0.66 U	0.66 U
3-Nitroaniline	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
4,6-Dinitro-2-methylphenol	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Bromophenyl phenyl ether	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Chloro-3-methylphenol	66 U	0.66 U	6.6 U	0.66 U	0.66 U	0.66 U	0.66 U
4-Chloroaniline	66 U	0.66 U	6.6 U	0.66 U	0.66 U	0.66 U	0.66 U
4-Chlorophenyl phenyl ether	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Methylphenol (o-cresol)	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
4-Nitroaniline	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
4-Nitrophenol	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
Acenaphthene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Acenaphthylene	53	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Anthracene	87	0.33 U	8.5	0.43	0.37	0.33 U	0.33 U
Benzidine	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Benzo[a]anthracene	160	0.33 U	12	1.5	1.7	0.33 U	1.1
Benzo[a]pyrene	110	0.33 U	7.6	2.0	1.7	0.33 U	1.2
Benzo[b]fluoranthene	160	0.33 U	9.0	2.4	2.8	0.33 U	1.5
Benzo[g,h,I]perylene	34	0.33 U	3.3 U	0.38	0.33 U	0.33 U	0.33 U
Benzo[k]fluoranthene	76	0.33 U	8.4	2.4	1.8	0.33 U	2.4
Benzoic acid	160 U	1.6 U	16 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzyl alcohol	66 U	0.66 U	6.6 U	0.66 U	0.66 U	0.66 U	0.66 U
Butyl benzyl phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
bis (2-Chloroethoxy) methane	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
bis (2-Chloroethyl) ether	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
bis (2-Chloroisopropyl) ether	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
bis(2-Ethylhexyl)phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Chrysene	130	0.33 U	99	1.2	1.3	0.33 U	0.65
Di-n-butyl phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Di-n-octyl phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenz[a,h]anthracene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Dibenzofuran	37	0.33 U	4.5	0.33 U	0.33 U	0.33 U	0.33 U

See Notes on Page 3.

TABLE 2

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL WASTE CHARACTERIZATION RESULTS - POTENTIAL DISPOSAL/TREATMENT AT ESMI

Sample ID	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4A	SB-5
Date Collected	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	7/20/00
Sample Depth (ft.)	0-4	0-6	6-10	0-6	6-12	7-13	0-8
Semivolatile Organic Compounds (mg/Kg) (continued)							
Diethyl phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Dimethyl phthalate	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Fluoranthene	330	0.36	23	2.2	3.1	0.33	1.2
Fluorene	47	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorobutadiene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachlorocyclopentadiene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Hexachloroethane	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Indeno[1,2,3-cd]pyrene	38	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Isophorone	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitroso-di-n-propylamine	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodimethylamine	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
N-Nitrosodiphenylamine	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Naphthalene	180	0.33 U	6.9	0.33 U	0.33 U	0.33 U	0.33 U
Nitrobenzene	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Pentachlorophenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Phenanthrene	290	0.4	25	1.6	1.4	0.33 U	0.63
Phenol	33 U	0.33 U	3.3 U	0.33 U	0.33 U	0.33 U	0.33 U
Pyrene	260	0.33 U	17	1.8	2.6	0.33 U	0.99

Notes:

1. Analytical methods used were: Toxicity Characteristic Leaching Procedure (TCLP) extraction method E1311 for metals by USEPA SW-846 Method 6010B/7470, Total benzene by USEPA SW-846 Method 8021, Sulfur by ASTM Method D129, Total organic halides (TOX) by USEPA SW-846 Method 9092, Total petroleum hydrocarbons (TPH) by USEPA Method 8100, Total cyanide by USEPA SW-846 Method 9010, Polychlorinated biphenyls (PCBs) by USEPA SW-846 Method 8082, Semi-volatile organic compounds (SVOCs) by USEPA SW-846 Method 8270.
2. The laboratory analytical results were reported as "results only" data packages.
3. U = Compound was not detected at a concentration exceeding the laboratory detection limit.
4. mg/L = milligrams per liter.
5. ug/Kg = micrograms per kilogram.
6. mg/Kg = milligrams per kilogram.
7. Samples were homogenized across the entire sample depth interval.

TABLE 3

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - RCRA HAZARDOUS WASTE CHARACTERIZATION

Sample ID	SB-2	SB-3	SB-5
Date Collected	7/19/00	7/19/00	7/20/00
Sample depth (ft.)	0-2	10-12	8-10
VOCs by TCLP(ug/L)			
Benzene	50 U	50 U	50 U
2-Butanone	100 U	100 U	110 *
Carbon Tetrachloride	50 U	50 U	50 U
Chlorobenzene	50 U	50 U	50 U
Chloroform	50 U	50 U	50 U
1,2-Dichloroethane	50 U	50 U	50 U
1,1-Dichloroethene	50 U	50 U	50 U
Tetrachloroethene	50 U	50 U	50 U
Trichloroethene	50 U	50 U	50 U
Vinyl Chloride	50 U	50 U	50 U
SVOCs by TCLP(ug/L)			
Pyridine	100 U	100 U	100 U
1,4-Dichlorobenzene	100 U	100 U	100 U
2-Methylphenol	100 U	18 J	100 U
3 & 4-Methylphenol	200 U	200 U	200 U
Hexachloroethane	100 U	100 U	100 U
Nitrobenzene	100 U	100 U	100 U
Hexachlorobutadiene	100 U	100 U	100 U
2,4,6-Trichlorophenol	100 U	100 U	100 U
2,4,5-Trichlorophenol	100 U	100 U	100 U
2,4-Dinitrotoluene	100 U	100 U	100 U
Hexachlorobenzene	100 U	100 U	100 U
Pentachlorophenol	250 U	250 U	250 U
Pesticide/Herbicides by TCLP(ug/l)			
Gamma-BHC (lindane)	5.0 U	5.0 U	5.0 U
Chlordane	20 U	20 U	20 U
Endrin	5.0 U	5.0 U	5.0 U
Heptachlor	5.0 U	5.0 U	5.0 U
Heptachlor Epoxide	5.0 U	5.0 U	5.0 U
Metoxychlor	20 U	20 U	20 U
Toxaphene	100 U	100 U	100 U
2,4-Dinitrotoluene	50 U	50 U	50 U
2,4,5-TP (Silvex)	50 U	50 U	50 U
Metals by TCLP(mg/L)			
Mercury	0.0003 U	0.0003 U	0.0003 U
Arsenic	0.01 U	0.016	0.01 U

See Notes on Page 2.

TABLE 3

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - RCRA HAZARDOUS WASTE CHARACTERIZATION

Sample ID	SB-2	SB-3	SB-5
Date Collected	**7/19/00**	**7/19/00**	**7/20/00**
Sample depth (ft.)	**0-2**	**10-12**	**8-10**
Metals by TCLP(mg/L) (continued)			
Barium	1.8	1 U	1.3
Cadmium	0.0087	0.0061	0.037
Chromium	0.01 U	0.01 U	0.01 U
Lead	0.14	0.074	0.78
Selenium	0.02 U	0.02 U	0.02 U
Silver	0.01 U	0.01 U	0.01 U
Corrosivity/pH (SU)	10.3	8.0	7.7
Reactive Cyanide (mg/kg)	100 U	100 U	100 U
Ignitability	NEG	NEG	NEG
Reactive Sulfide (mg/kg)	100 U	100 U	100 U

Notes:

1. Analytical methods used were: Toxicity Characteristic Leaching Procedure (TCLP) extraction method E1311 for volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) SW-846 Method 8260, semi-volatile organic compounds (SVOCs) by USEPA SW-846 Method 8270, Pesticide/Herbicide by USEPA SW-846 Method 8151A, and Metals by USEPA SW-846 Method 6010/7470; and Reactivity by USEPA SW-846 Chapter 7; Corrosivity by USEPA SW-846 Method 9045; and Ignitability by USEPA SW-846 Method 1030.
2. The laboratory analytical results were reported as "results only" data packages.
3. U = Compound was not detected at a concentration exceeding the laboratory detection limit.
4. ug/L = micrograms per liter.
5. mg/L = milligrams per liter.
6. mg/Kg = milligrams per kilogram.
7. NEG = Sample did not ignite or support combustion.
8. SU = Standard Units.
9. * = This compound was detected in the sample as well as the associated TCLP blank.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
TCL Volatile Organic Compounds										
1,1,1-Trichloroethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,1,2,2-Tetrachloroethane	1.4 U	0.013 UJ	0.014 UJ	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,1,2-Trichloroethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,1-Dichloroethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,1-Dichloroethene	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,2-Dichlorobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
1,2-Dichloroethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,2-Dichloroethene, Total	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,2-Dichloropropane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
1,3-Dichlorobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
1,4-Dichlorobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2-Butanone	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	**0.25**	0.012 U
2-Hexanone	1.4 U	0.013 UJ	0.014 UJ	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
4-Methyl-2-pentanone	1.4 U	0.013 UJ	0.014 UJ	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Acetone	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	**0.58**	**0.021**
Benzene	**0.38 J**	0.013 U	**0.002 J**	**27**	--	0.012 U	0.012 U	0.012 U	**8.5 D**	**0.002 J**
Bromodichloromethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Bromoform	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Bromomethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Carbon disulfide	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Carbon tetrachloride	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Chlorobenzene	1.4 U	0.013 UJ	0.014 UJ	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Chlorodibromomethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Chloroethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Chloroform	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Chloromethane	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
cis-1,3-Dichloropropene	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Ethylbenzene	**0.48 J**	0.013 UJ	0.014 UJ	**18**	--	0.012 U	0.012 U	0.012 U	**9.2 D**	0.012 U
Methylene chloride	**0.46 J**	0.013 U	0.014 U	**0.66 J**	--	0.012 UB	0.012 U	0.012 U	0.1 U	0.012 U
Styrene	**0.95 J**	0.013 UJ	0.014 UJ	**10**	--	0.012 U	0.012 U	0.012 U	0.1 U	**0.001 J**
Tetrachloroethene	1.4 U	0.013 UJ	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Toluene	**2.8**	**0.018 J**	**0.003 J**	**28**	--	0.012 U	0.012 U	0.012 U	**0.3**	**0.003 J**
trans-1,3-Dichloropropene	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Trichloroethene	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Vinyl chloride	1.4 U	0.013 U	0.014 U	4.9 U	--	0.012 U	0.012 U	0.012 U	0.1 U	0.012 U
Xylenes, Total	**15**	0.013 UJ	0.014 UJ	**97**	--	0.012 U	0.012 U	0.012 U	**17. D**	**0.004 J**
Total BTEX	**18.66**	**0.018**	**0.005**	**170**	--	ND	ND	ND	**35**	**0.009**
TCL Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2,2'-oxybis(dichloropropane)	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2,4,5-Trichlorophenol	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
2,4,6-Trichlorophenol	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2,4-Dichlorophenol	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2,4-Dimethylphenol	38 U	0.44 U	4.5 U	**20. J**	0.4 U	0.4 U	0.4 U	0.41 U	**0.88 J**	8.1 U
2,4-Dinitrophenol	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
2,4-Dinitrotoluene	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2,6-Dinitrotoluene	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2-Chloronaphthalene	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2-Chlorophenol	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
2-Methylnaphthalene	**12. JD**	**0.26 J**	**0.74 JD**	**110 JD**	0.4 U	0.4 U	0.4 U	0.41 U	**2.5**	**1.7 JD**
2-Methylphenol	38 U	0.44 U	4.5 U	**0.6 J**	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
2-Nitroaniline	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
2-Nitrophenol	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
3,3'-Dichlorobenzidine	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 UJ	8.1 UJ
3-Nitroaniline	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
4,6-Dinitro-2-methylphenol	94 U	1.1 U	11 U	1.6 U	1 U	1 U	1 U	1 U	3.3 U	20 U
4-Bromophenyl phenyl ether	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
4-Chloro-3-methylphenol	38 U	0.44 U	4.5 U	**0.26 J**	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
4-Chloroaniline	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
4-Chlorophenyl phenyl ether	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
4-Methylphenol	38 U	0.44 U	4.5 U	**1.5**	0.4 U	0.4 U	0.4 U	0.41 U	**0.18 J**	8.1 U
4-Nitroaniline	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
4-Nitrophenol	94 U	1.1 U	11 U	1.6 UJ	1 U	1 U	1 U	1 U	3.3 U	20 U
Acenaphthene	**5.7 JD**	**0.33 J**	**0.63 JD**	**24. EJ**	0.4 U	0.4 U	0.4 U	0.41 U	**19. JD**	**1.0 JD**
Acenaphthylene	**24. JD**	**0.44**	**0.61 JD**	**120 JD**	0.4 U	0.4 U	0.4 U	0.41 U	**1.2 J**	**4.5 JD**
Anthracene	**39. D**	**1.1**	**3.0 JD**	**76. EJ**	0.4 U	0.4 U	0.4 U	0.41 U	**3.3**	**7.4 JD**
Benzo(a)anthracene	**120 D**	**1.6**	**7.1 D**	**55. JD**	**0.25 J**	0.4 U	0.4 U	0.41 U	**3.3 J**	**11. JD**
Benzo(a)pyrene	**76. JD**	**1**	**4.2 JD**	**40. JD**	**0.28 J**	0.4 U	0.4 U	0.41 U	**2.3 J**	**12. JD**
Benzo(b)fluoranthene	**98. JD**	**1.6**	**7.9 JD**	**42. JD**	**0.32 J**	0.4 U	0.4 U	0.41 U	**2.9 J**	**14. JD**
Benzo(g,h,i)perylene	**22. JD**	**0.68**	**2.2 JD**	**9.2 EJ**	**0.14 J**	0.4 U	0.4 U	0.41 U	**0.9 J**	**5.8 JD**
Benzo(k)fluoranthene	**37. JD**	**0.25 J**	**1.8 JD**	**5**	**0.14 J**	0.4 U	0.4 U	0.41 U	**0.94 J**	**5.8 JD**
bis(2-Chloroethoxy)methane	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
bis(2-Chloroethyl)ether	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
bis(2-Ethylhexyl)phthalate	38 U	0.44 U	4.5 U	**0.92 J**	0.4 U	0.4 U	0.4 U	0.41 U	1.3 UJ	8.1 UJ

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Butyl benzyl phthalate	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 UJ	8.1 UJ
Carbazole	**5.0 JD**	**0.47**	**1.2 JD**	**26. EJ**	0.4 U	0.4 U	0.4 U	0.41 U	**7.2**	**1.8 JD**
Chrysene	**80. D**	**1.4**	**5.9 D**	**40. JD**	**0.2 J**	0.4 U	0.4 U	0.41 U	**2.7 J**	**9.8 JD**
Di-n-butyl phthalate	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Di-n-octyl phthalate	38 UJ	0.44 U	4.5 UJ	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 UJ	8.1 UJ
Dibenz(a,h)anthracene	**6.4 JD**	**0.17 J**	4.5 UJ	**4.9**	0.4 U	0.4 U	0.4 U	0.41 U	1.3 UJ	**1.8 JD**
Dibenzofuran	**15. JD**	**0.61**	**1.6 JD**	**79. EJ**	0.4 U	0.4 U	0.4 U	0.41 U	**10**	**3.8 JD**
Diethyl phthalate	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Dimethyl phthalate	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Fluoranthene	**200 D**	**5.4 D**	**15. D**	**120 JD**	**0.29 J**	**0.046 J**	0.4 U	0.41 U	**6.7**	**18. D**
Fluorene	**26. JD**	**0.49**	**0.95 JD**	**110 EJ**	0.4 U	0.4 U	0.4 U	0.41 U	**9.4 JD**	**4.5 JD**
Hexachlorobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Hexachlorobutadiene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Hexachlorocyclopentadiene	38 U	0.44 U	4.5 U	0.65 UJ	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Hexachloroethane	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Indeno(1,2,3-cd)pyrene	**22. JD**	**0.56**	**2.0 JD**	**8.7 EJ**	**0.13 J**	0.4 U	0.4 U	0.41 U	**1.0 J**	**6.5 JD**
Isophorone	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
N-Nitroso-di-n-propylamine	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
N-Nitrosodiphenylamine	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Naphthalene	**24. JD**	**0.68**	**1.4 JD**	**610 D**	0.4 U	0.4 U	0.4 U	0.41 U	**62. D**	**3.2 JD**
Nitrobenzene	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Pentachlorophenol	94 U	1.1 U	11 U	1.6 U	1 U	1 U	1 U	1 U	3.3 U	20 U
Phenanthrene	**95. D**	**6.0 D**	**16. D**	**230 D**	**0.062 J**	**0.064 J**	0.4 U	0.41 U	**12. JD**	**23. D**
Phenol	38 U	0.44 U	4.5 U	0.65 U	0.4 U	0.4 U	0.4 U	0.41 U	1.3 U	8.1 U
Pyrene	**210 D**	**2.8**	**17. D**	**95. JD**	**0.4**	**0.049 J**	0.4 U	0.41 U	**8.5 J**	**32. JD**
Total PAHs	**1097.1**	**24.76**	**86.43**	**1699.8**	**2.212**	**0.159**	ND	ND	**98.24**	**162**

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Polychlorinated Biphenyls										
Aroclor-1016	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Aroclor-1221	6.6 UD	0.66 UD	0.66 UD	0.66 UD	0.066 U	0.066 U	0.08 U	0.067 U	0.066 U	0.066 U
Aroclor-1232	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Aroclor-1242	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Aroclor-1248	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Aroclor-1254	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Aroclor-1260	3.3 UD	0.33 UD	0.33 UD	0.33 UD	0.033 U	0.033 U	0.04 U	0.033 U	0.033 U	0.033 U
Pesticides										
4,4'-DDD	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
4,4'-DDE	R	0.033 UD	0.033 UD	0.033 UJD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	**0.08 JND**
4,4'-DDT	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
Aldrin	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
alpha-BHC	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
alpha-Chlordane	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
beta-BHC	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
delta-BHC	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
Dieldrin	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan I	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
Endosulfan II	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
Endosulfan sulfate	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
Endrin	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U
Endrin aldehyde	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	0.0033 U

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Endrin ketone	0.33 UD	0.033 UD	0.033 UD	0.033 UD	0.0033 U	0.0033 U	0.004 U	0.0033 U	0.0033 U	**0.23 JND**
gamma-BHC (Lindane)	**0.15 JD**	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	**0.0075 J**
gamma-Chlordane	0.16 UD	0.016 UD	0.017 UD	0.017 UD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
Heptachlor	0.16 UD	0.016 UD	0.017 UD	0.017 UJD	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
Heptachlor epoxide	R	0.016 UD	0.017 UD	**0.061 D**	0.0016 U	0.0016 U	0.002 U	0.0017 U	0.0016 U	0.0016 U
Methoxychlor	1.6 UD	0.16 UD	0.17 UD	R	0.016 U	0.016 U	0.02 U	0.017 U	0.016 U	0.016 U
Toxaphene	16 UD	1.6 UD	1.7 UD	1.7 UD	0.16 U	0.16 U	0.2 U	0.17 U	0.16 U	0.16 U
TAL Inorganics										
Aluminum	**5110**	**4790**	**4470**	**8460**	**5320**	**5090**	**5120**	**3380**	**1210**	**2500**
Antimony	1.1 NUJ	**47.3 NJ**	**70.5 NJ**	**2.5 BNJ**	1.2 NUJ	1.2 NUJ	1.2 NUJ	1.2 NUJ	2 NUJ	0.61 NUJ
Arsenic	**3.9**	**19.5**	**47.3**	**34.7**	**3.3**	**2.0 B**	**4**	**1.6 B**	1.6 U	**2.5**
Barium	**20.5 B**	**688**	**469**	**91.8**	**24.5 B**	**27.1 B**	**24. B**	**16.3 B**	**140**	**12.1 B**
Beryllium	0.52 U	0.54 U	0.54 U	0.39 U	0.29 U	0.3 U	**0.4 B**	**0.29 B**	0.4 U	**0.22 B**
Cadmium	0.45 U	**4.9**	**2.6**	**0.79 B**	0.48 U	0.48 U	0.48 U	0.48 U	0.8 U	**0.83**
Calcium	**761 B***	**12700 ***	**17300 ***	**82700 ***	**28600 ***	**30100 ***	**51400 ***	**52700 ***	**21600 ***	**12000 ***
Chromium	**7.5**	**17.7**	**19**	**14.7**	**7.5**	**7.9**	**7.6**	**5.2**	**2.9 B**	**5.1**
Cobalt	**4.4 B**	**11.5 B**	**10.3 B**	**8.9 B**	**5.0 B**	**4.7 B**	**6.5 B**	**4.9 B**	**0.83 B**	**3.0 B**
Copper	**27.5**	**2490**	**1020**	**53.4**	**23.3**	**15.8**	**21.4 ***	**16.5 ***	**14.1 ***	**26.2 ***
Cyanide, Total	0.55 U	0.63 U	**114**	**14.9**	**22.4**	0.51 U	**1.2**	**2.7**	1.9 U	**3.6**
Iron	**12800**	**62000**	**79000**	**27900**	**11000**	**11200**	**13500**	**10000**	**18700**	**7990**
Lead	**4.7 NJ**	**1700 NJ**	**14600 NJ**	**67.2 NJ**	**10.3 NJ**	**6.3 NJ**	**5.3 ***	**4.0 ***	**4.5 ***	**17. ***
Magnesium	**2090 ***	**10300 ***	**3480 ***	**24700 ***	**11300 ***	**10600 ***	**20000 ***	**21500 ***	**917 B***	**4540 ***
Manganese	**216 *NJ**	**3410 *NJ**	**3220 *NJ**	**1150 *NJ**	**219 *NJ**	**287 *NJ**	**488 N**	**377 N**	**573 JN**	**103 JN**
Mercury	0.057 U	**0.58**	**0.55**	**0.26**	**0.068 B**	0.06 U	0.06 U*	**0.16 ***	**0.2 B***	**0.13 ***
Nickel	**11**	**88.3**	**37.4**	**18.6**	**10**	**9.1 B**	**12**	**8.6 B**	**2.3 B**	**11.7**

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-1	SB-2	SB-2	SB-2	SB-3	SB-4A	SB-6	SB-6	SB-8	SB-10
Depth Range	(4 - 6')	(10 - 12')	(10 - 12')	(19 - 23')	(12 - 14')	(13 - 15')	(16 - 18')	(18 - 20')	(6.5 - 8')	(4 - 7')
Date Sampled	7/18/00	7/19/00	7/19/00	7/19/00	7/19/00	7/20/00	8/8/00	8/8/00	8/10/00	8/10/00
Sample Type	FS	FS	DUP	FS	FS	FS	FS	FS	FS	FS
Potassium	**892 B**	**470 B**	**596 B**	**1050 B**	**1060 B**	**898 B**	**936 B**	**709 B**	146 U	**487 B**
Selenium	**1.1 B**	**6.1**	1.1 U	**3.7**	**2.2**	0.96 U	0.97 U	0.97 U	**2.6**	0.49 U
Silver	0.45 U	0.53 U	0.54 U	0.78 U	0.48 U	0.48 U	0.48 U	0.48 U	0.8 U	0.24 U
Sodium	94.2 U	**409 B**	**226 B**	**170 B**	99.9 U	100 U	**110 B**	**129 B**	166 U	**268 B**
Thallium	1.4 U	**7.5**	1.6 U	2.3 U	1.4 U	1.4 U	1.4 U	1.5 U	2.4 U	0.73 U
Vanadium	**9.7 B**	**33.5**	**24.9**	**12.2 B**	**9.7 B**	**9.2 B**	**10. B**	**7.8 B**	**2.4 B**	**4.8 B**
Zinc	**21.1**	**3430**	**1450**	**78**	**23.9**	**20**	**25.7 ***	**19.8 ***	**10.6 *J**	**2210 *J**

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
TCL Volatile Organic Compounds										
1,1,1-Trichloroethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	0.014 U	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
1,1,2-Trichloroethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,1-Dichloroethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,1-Dichloroethene	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,2-Dichlorobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
1,2-Dichloroethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,2-Dichloroethene, Total	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,2-Dichloropropane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
1,3-Dichlorobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
1,4-Dichlorobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2-Butanone	0.014 U	0.013 U	**0.026**	0.014 U	--	--	--	--	--	--
2-Hexanone	0.014 U	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
4-Methyl-2-pentanone	0.014 U	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
Acetone	**0.008 J**	0.013 U	**0.067**	**0.013 J**	--	--	--	--	--	--
Benzene	0.014 U	0.013 U	**0.033**	0.014 U	--	--	--	--	--	--
Bromodichloromethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Bromoform	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Bromomethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Carbon disulfide	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Carbon tetrachloride	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Chlorobenzene	0.014 U	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
Chlorodibromomethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Chloroethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--

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TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
Chloroform	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Chloromethane	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
cis-1,3-Dichloropropene	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Ethylbenzene	0.014 U	0.013 U	**0.019 J**	0.014 U	--	--	--	--	--	--
Methylene chloride	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Styrene	**0.002 J**	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
Tetrachloroethene	0.014 U	0.013 U	0.014 UJ	0.014 U	--	--	--	--	--	--
Toluene	0.014 U	0.013 U	**0.004 J**	0.014 U	--	--	--	--	--	--
trans-1,3-Dichloropropene	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Trichloroethene	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Vinyl chloride	0.014 U	0.013 U	0.014 U	0.014 U	--	--	--	--	--	--
Xylenes, Total	0.014 U	0.013 U	**0.023 J**	0.014 U	--	--	--	--	--	--
Total BTEX	ND	ND	**0.079**	ND	--	--	--	--	--	--
TCL Semivolatile Organic Compounds										
1,2,4-Trichlorobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,2'-oxybis(dichloropropane)	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,4,5-Trichlorophenol	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
2,4,6-Trichlorophenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,4-Dichlorophenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,4-Dimethylphenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,4-Dinitrophenol	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
2,4-Dinitrotoluene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2,6-Dinitrotoluene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2-Chloronaphthalene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2-Chlorophenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--

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NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
2-Methylnaphthalene	**0.3 J**	**0.52 JD**	0.46 U	**0.16 J**	0.43 U	0.44 U	0.52 U	0.46 U	1.2 U	0.47 U
2-Methylphenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
2-Nitroaniline	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
2-Nitrophenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
3,3'-Dichlorobenzidine	0.45 UJ	4.2 U	0.46 UJ	0.47 UJ	--	--	--	--	--	--
3-Nitroaniline	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
4-Bromophenyl phenyl ether	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
4-Chloro-3-methylphenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
4-Chloroaniline	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
4-Methylphenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
4-Nitroaniline	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
4-Nitrophenol	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
Acenaphthene	**0.21 J**	4.2 U	**8.7 D**	**0.26 J**	0.43 U	0.44 U	**0.19 J**	**0.052 J**	**0.15 J**	0.47 U
Acenaphthylene	**0.77**	**1.3 JD**	**0.58**	**0.048 J**	**0.32 J**	**0.3 J**	**0.066 J**	**0.13 J**	1.2 U	0.47 U
Anthracene	**2**	**3.6 JD**	**6.7 D**	**0.084 J**	**0.58**	**0.53**	**0.26 J**	**0.26 J**	1.2 U	0.47 U
Benzo(a)anthracene	**3.6 JD**	**6.4 D**	**3.5 J**	**0.42 J**	**5.0 JD**	**5.8 JD**	**0.74 J**	**1.2 J**	1.2 UJ	0.47 U
Benzo(a)pyrene	**3.1 J**	**5.6 D**	**2.4 J**	**0.5 J**	**5.1 JD**	**5.9 JD**	**0.83 J**	**1.2 J**	R	0.47 UJ
Benzo(b)fluoranthene	**3.5 JD**	**7.3 D**	**2.6 J**	**0.71 J**	**7.0 JD**	**7.8 JD**	**0.86 J**	**1.5 J**	R	0.47 UJ
Benzo(g,h,i)perylene	**1.5 J**	**1.6 JD**	**1.2 J**	**0.26 J**	**3.0 J**	**2.9 J**	**0.4 J**	**0.85 J**	R	0.47 UJ
Benzo(k)fluoranthene	**1.4 J**	**2.6 JD**	**1.1 J**	**0.23 J**	**1.4**	**1.4 J**	**0.31 J**	**0.46 J**	R	0.47 UJ
bis(2-Chloroethoxy)methane	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
bis(2-Chloroethyl)ether	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	0.45 UJ	4.2 U	0.46 UJ	0.47 UJ	--	--	--	--	--	--

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NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
Butyl benzyl phthalate	0.45 UJ	4.2 U	0.46 UJ	0.47 UJ	--	--	--	--	--	--
Carbazole	**0.43 J**	**0.92 JD**	**2.8**	**0.23 J**	--	--	--	--	--	--
Chrysene	**3.2 JD**	**5.5 D**	**2.7 J**	**0.48 J**	**4.2 JD**	**5.3 JD**	**0.66 J**	**1.2 J**	1.2 UJ	0.47 U
Di-n-butyl phthalate	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Di-n-octyl phthalate	0.45 UJ	4.2 U	0.46 UJ	0.47 UJ	--	--	--	--	--	--
Dibenz(a,h)anthracene	**0.51 J**	**0.53 JD**	**0.34 J**	**0.088 J**	**0.38 J**	**0.38 J**	**0.1 J**	**0.17 J**	R	0.47 UJ
Dibenzofuran	**0.62**	**1.1 JD**	**5.8 D**	**0.084 J**	--	--	--	--	--	--
Diethyl phthalate	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Dimethyl phthalate	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Fluoranthene	**5.6 D**	**12. D**	**10. D**	**0.67**	**8.1 EJ**	**8.3 EJ**	**1**	**1.9**	1.2 U	0.47 U
Fluorene	**0.85**	**1.8 JD**	**7.0 D**	**0.15 J**	**0.089 J**	**0.092 J**	**0.22 J**	**0.071 J**	1.2 U	0.47 U
Hexachlorobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Hexachlorobutadiene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Hexachlorocyclopentadiene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Hexachloroethane	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	**1.7 J**	**1.7 JD**	**1.4 J**	**0.29 J**	**2.7 J**	**2.6 J**	**0.5 J**	**0.71 J**	R	0.47 UJ
Isophorone	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
N-Nitroso-di-n-propylamine	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
N-Nitrosodiphenylamine	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Naphthalene	**0.3 J**	**0.51 JD**	**0.38 J**	**2.1**	**0.11 J**	**0.089 J**	0.52 U	**0.046 J**	1.2 U	0.47 U
Nitrobenzene	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Pentachlorophenol	1.1 U	10 U	1.2 U	1.2 U	--	--	--	--	--	--
Phenanthrene	**6.2 D**	**10. D**	**23. D**	**0.37 J**	**3**	**2.8**	**0.38 J**	**1.2**	1.2 U	0.47 U
Phenol	0.45 U	4.2 U	0.46 U	0.47 U	--	--	--	--	--	--
Pyrene	**10. JD**	**12. D**	**15. JD**	**1.1 J**	**7.9 D**	**9.7 D**	**1.4**	**2.5**	1.2 U	0.47 U
Total PAHs	**46.44**	**72.96**	**86.6**	**7.92**	**48.879**	**53.891**	**7.916**	**13.449**	NA	ND

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
Endrin ketone	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
gamma-BHC (Lindane)	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
gamma-Chlordane	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
Heptachlor	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
Heptachlor epoxide	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
Methoxychlor	0.16 U	R	R	0.017 U	--	--	--	--	--	--
Toxaphene	1.6 U	0.17 U	0.17 U	0.17 U	--	--	--	--	--	--
TAL Inorganics										
Aluminum	**3150**	**3400**	**3580**	**3960**	--	--	--	--	--	--
Antimony	**5.5 BJN**	**2.9 BJN**	0.69 NUJ	0.71 NUJ	--	--	--	--	--	--
Arsenic	**6.9**	**4**	**1.5**	**2.2**	--	--	--	--	--	--
Barium	**34.6**	**26.9**	**38.8**	**22.6 B**	--	--	--	--	--	--
Beryllium	**0.28 B**	**0.29 B**	**0.24 B**	**0.31 B**	--	--	--	--	--	--
Cadmium	**8.5**	**10.6**	**1.3**	0.28 U	--	--	--	--	--	--
Calcium	**9440 ***	**11900 ***	**5760 ***	**5060 ***	--	--	--	--	--	--
Chromium	**17.2**	**14.3**	**4.5**	**5.1**	--	--	--	--	--	--
Cobalt	**3.7 B**	**3.1 B**	**3.3 B**	**3.2 B**	--	--	--	--	--	--
Copper	**74.3 ***	**77.9 ***	**15.3 ***	**21.4 ***	--	--	--	--	--	--
Cyanide, Total	**0.86**	0.62 U	0.68 U	**1.1**	--	--	--	--	--	--
Iron	**21000**	**20200**	**7550**	**8410**	--	--	--	--	--	--
Lead	**374 ***	**219 ***	**168 ***	**28.8 ***	--	--	--	--	--	--
Magnesium	**4060 ***	**6280 ***	**2710 ***	**3090 ***	--	--	--	--	--	--
Manganese	**172 JN**	**159 JN**	**106 JN**	**122 JN**	--	--	--	--	--	--
Mercury	**0.34 ***	**0.23 ***	**1.5 ***	**0.41 ***	--	--	--	--	--	--
Nickel	**10.4**	**8.7**	**9**	**8.6**	--	--	--	--	--	--

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
Polychlorinated Biphenyls										
Aroclor-1016	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Aroclor-1221	0.66 U	0.067 U	0.066 U	0.066 U	--	--	--	--	--	--
Aroclor-1232	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Aroclor-1242	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Aroclor-1248	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Aroclor-1254	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Aroclor-1260	0.33 U	0.033 U	0.033 U	0.033 U	--	--	--	--	--	--
Pesticides										
4,4'-DDD	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
4,4'-DDE	0.033 U	0.0033 U	**0.0054**	0.0033 U	--	--	--	--	--	--
4,4'-DDT	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
Aldrin	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
alpha-BHC	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
alpha-Chlordane	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
beta-BHC	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
delta-BHC	0.016 U	0.0017 U	**0.0094**	0.0017 U	--	--	--	--	--	--
Dieldrin	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
Endosulfan I	0.016 U	0.0017 U	0.0017 U	0.0017 U	--	--	--	--	--	--
Endosulfan II	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
Endosulfan sulfate	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
Endrin	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--
Endrin aldehyde	0.033 U	0.0033 U	0.0033 U	0.0033 U	--	--	--	--	--	--

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Location ID	SB-13	SB-13	SB-14	SB-15	TP-2	TP-2	TP-3	TP-4	TP-4	TP-5
Depth Range	(4 - 6')	(4 - 6')	(5 - 7')	(4 - 6')	(3')	(3')	(6')	(3')	(6')	(5')
Date Sampled	8/10/00	8/10/00	8/10/00	8/10/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00	12/7/00
Sample Type	FS	DUP	FS	FS	FS	DUP	FS	FS	FS	FS
Potassium	**552 B**	**564 B**	**522 B**	**542 B**	--	--	--	--	--	--
Selenium	**1.2**	**1.4**	0.56 U	0.56 U	--	--	--	--	--	--
Silver	0.27 U	0.25 U	0.28 U	0.28 U	--	--	--	--	--	--
Sodium	**859**	**793**	**193 B**	**159 B**	--	--	--	--	--	--
Thallium	0.81 U	0.76 U	0.83 U	0.85 U	--	--	--	--	--	--
Vanadium	**8.2**	**8**	**8.5**	**7.0 B**	--	--	--	--	--	--
Zinc	**9040 *J**	**8360 *J**	**1360 *J**	**1900 *J**	--	--	--	--	--	--

See Notes on Page 15.

TABLE 4

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

SOIL ANALYTICAL RESULTS - DELINEATION SAMPLING

Notes:

1. Concentrations given in milligrams per kilogram (mg/Kg); also expressed as parts per million (ppm).
2. Samples analyzed using New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) 95-1, 95-2, and 95-3 Methods.
3. PAHs = Polycyclic Aromatic Hydrocarbons.
4. Carcinogenic PAHs are italicized.
5. Soil samples collected from test pits TP-2 through TP-5 were analyzed for PAHs only.
6. NA = Not available.
7. ND = Not detected.
8. -- = Not analyzed.
9. Detections are bolded.

Data Qualifiers:

* = Duplicate analysis not within control limits.

B = (Inorganic) The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).

D = Concentration is based on a diluted sample analysis.

E = The compound was quantified above the calibration range.

J = The compound was positively identified; however, the associated numerical value is an estimated concentration only.

N = (Inorganic) Spiked sample recovery not within control limits.

R = The sample results are rejected.

U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

TABLE 5

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

GROUNDWATER ANALYTICAL RESULTS

Constituent	PZ-1
Semi-Volatile Organic Compounds (cont'd.)	
Nitrobenzene	10 U
Isophorone	10 U
2-Nitrophenol	10 U
2,4-Dimethylphenol	10 U
bis(2-Chloroethoxy)methane	10 U
2,4-Dichlorophenol	10 U
1,2,4-Trichlorobenzene	10 U
Napthalene	10 U
4-Chloroaniline	10 U
Hexachlorobutadiene	10 U
4-Chloro-3-methylphenol	10 U
2-Methylnaphthalene	10 U
Hexachlorocyclopentadiene	10 U
2,4,6-Trichlorophenol	10 U
2,4,5-Trichorophenol	24 U
2-Chloronaphthalene	10 U
2-Nitroaniline	24 U
Dimethylphthalate	10 U
Acenaphthylene	10 U
2,6-Dinitrotoluene	10 U
3-Nitroaniline	24 U
Acenaphthene	10 U
2,4-Dinitrophenol	24 U
4-Nitrophenol	24 U
Dibenzofuran	10 U
2,4-Dinitrotoluene	10 U
Diethylphthalate	10 U
Fluorene	10 U
4-Chlorophenyl-phenyl ether	10 U
4-Nitroaniline	24 U
4,6-Dinitro-2-methylphenol	24 U
N-Nitrosodiphenylamine	10 U
4-Bromophenyl-phenyl ether	10 U
Hexachlorobenzene	10 U
Pentachlorophenol	24 U
Phenanthrene	10 U
Anthracene	10 U
Carbazole	10 U
Di-n-butylphthalate	10 U
Fluoranthene	10 U
Pyrene	10 U
Butylbenzylphthalate	10 U
Benzo (a)anthracene	10 U
3,3'-Dichlorobenzidine	10 U
Chrysene	10 U
bis (2-Ethylhexyl) phthalate	10 U

See Notes on Page 4.

TABLE 5

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

GROUNDWATER ANALYTICAL RESULTS

Constituent	PZ-1
Volatile Organic Compounds	
Chloromethane	10 U
Bromomethane	10 U
Vinyl Chloride	10 U
Chloroethane	10 U
Methylene Chloride	10 U
Acetone	10 U
Carbon Disulfide	10 U
1,1-Dichloroethene	10 U
1,1-Dichloroethane	10 U
1,2-Dichloroethene (total)	10 U
Chloroform	10 U
1,2-Dichloroethane	10 U
2-Butanone	10 U
1,1,1-Trichloroethane	10 U
Carbon Tetrachloride	10 U
Bromodichloromethane	10 U
1,2-Dichloropropane	10 U
cis-1,3-Dichloropropene	10 U
Trichloroethene	10 U
Dibromochloromethane	10 U
1,1,2-Trichloroethane	10 U
Benzene	10 U
trans-1,3-Dichloropropene	10 U
Bromoform	10 U
4-Methyl-2-Pentanone	10 U
2-Hexanone	10 U
Tetrachloroethene	10 U
1,1,2,2-Tetrachloroethane	10 U
Toluene	10 U
Chlorobenzene	10 U
Ethylbenzene	10 U
Xylene (total)	10 U
Styrene	10 U
Semi-Volatile Organic Compounds	
Phenol	10 U
bis(2-Chloroethyl) ether	10 U
2-Chlorophenol	10 U
1,3-Dichlorobenzene	10 U
1,4-Dichlorobenzene	10 U
1,2-Dichlorobenzene	10 U
2-Methylphenol	10 U
2,2'-oxybis(1-Chloropropane)	10 U
4-Methylphenol	10 U
N-Nitroso-di-n-propylamine	10 U
Hexachloroethane	10 U

See Notes on Page 4.

TABLE 5

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

GROUNDWATER ANALYTICAL RESULTS

Constituent	PZ-1
Semi-Volatile Organic Compounds (cont'd.)	
Di-n-octylphthalate	10 U
Benzo (b) fluoranthene	10 U
Benzo (k) fluoranthene	10 U
Benzo (a) pyrene	10 U
Indeno (1,2,3-cd) pyrene	10 U
Dibenzo(a,h)anthracene	10 U
Benzo(g,h,i)perylene	10 U
PCBs	
Aroclor-1016	1.0 U
Aroclor-1221	2.0 U
Aroclor-1232	1.0 U
Aroclor-1242	1.0 U
Aroclor-1248	1.0 U
Aroclor-1254	1.0 U
Aroclor-1260	1.0 U
Pesticides	
Aldrin	0.05 U
alpha-BHC	0.05 U
beta-BHC	0.05 U
delta-BHC	0.05 U
gamma-BHC	0.05 U
alpha-Chlordane	0.05 U
gamma-Chlordane	0.05 U
4,4'-DDD	0.1 U
4,4'-DDE	0.1 U
4,4'-DDT	0.1 U
Dieldrin	0.1 U
Endosulfan I	0.05 U
Endosulfan II	0.1 U
Endosulfan sulfate	0.1 U
Endrin	0.1 U
Endrin aldehyde	0.1 U
Endrin ketone	0.1 U
Heptachlor	0.05 U
Heptachlor epoxide	0.05 U
Methoxychlor	0.05 U
Toxaphene	0.05 U

See Notes on Page 4.

TABLE 5

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

GROUNDWATER ANALYTICAL RESULTS

Constituent	PZ-1 (total)	PZ-1 (dissolved)
TAL Inorganic Constituents		
Aluminum	210	100 U
Antimony	10 U	10 U
Arsenic	10 U	10 U
Barium	36	32
Beryllium	5 U	5 U
Cadmium	5 U	5 U
Calcium	450000	440000
Chromium	10 U	10 U
Cobalt	10 U	10 U
Copper	10 U	10 U
Iron	1400	790
Lead	9.3	3 U
Magnesium	21000	20000
Manganese	2000	1800
Mercury	0.2 U	0.2 U
Nickel	20 U	20 U
Potassium	10000	12000
Selenium	5 U	19
Silver	10 U	10 U
Sodium	5600	5300
Thallium	10 U	10 U
Vanadium	10 U	10 U
Zinc	1300	1100
Cyanide,total	10 U	NA

Notes:

1. All concentrations are reported in micrograms per liter (ug/L), or parts per billion (ppb).
2. Samples analyzed using New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) 95-1, 95-2, and 95-3 Methods.
3. U = Compound was not detected at a concentration exceeding the laboratory detection limit.
4. NA = Not analyzed
5. The analytical laboratory results were not validated.

TABLE 6

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION

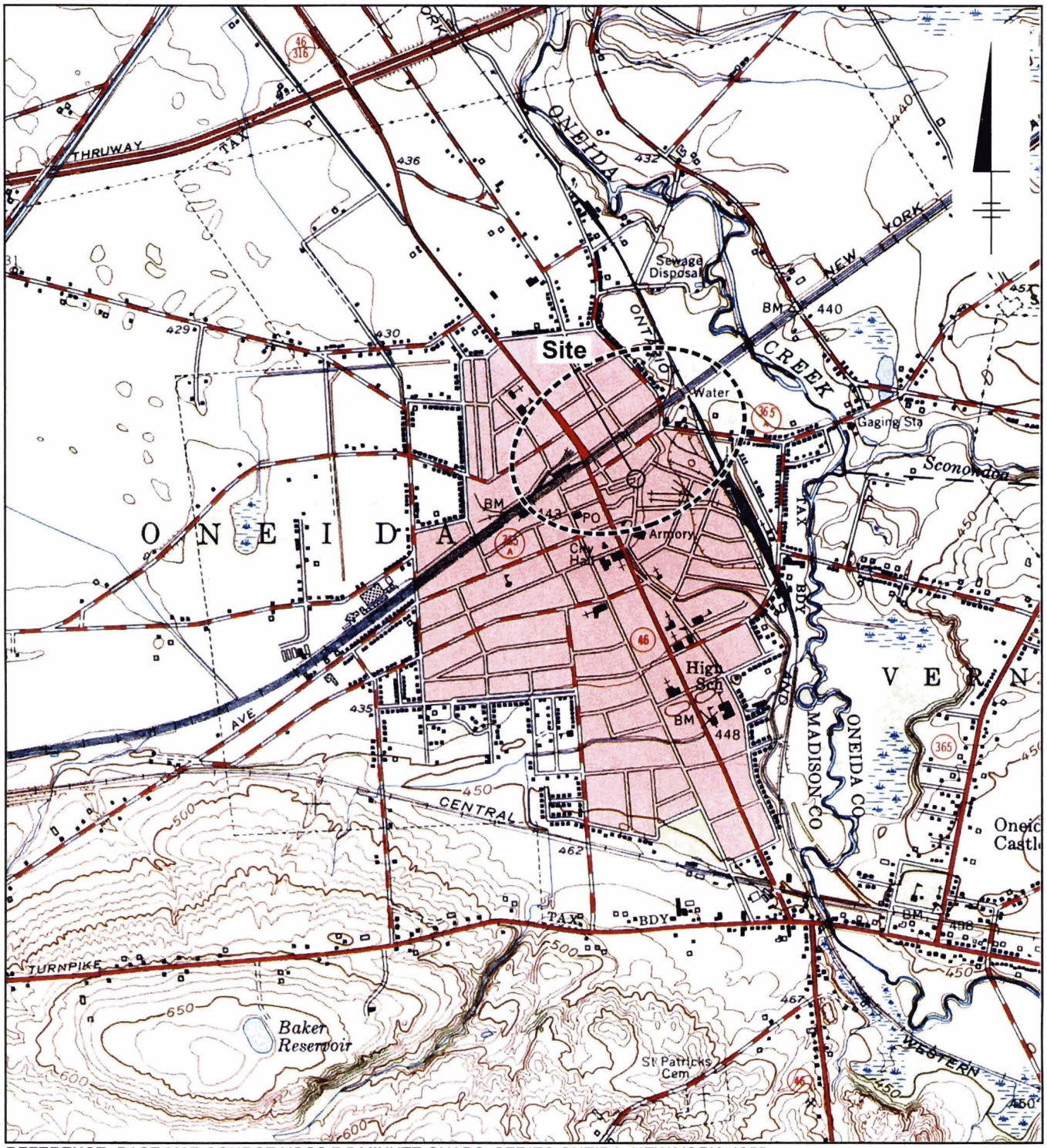
SUMMARY OF WATER LEVEL MEASUREMENTS

Location ID	Measuring Point Elevation	Ground Surface Elevation	Total Depth	Water Level Measurements 8/24/00	
				Depth to Water	Water Level Elevation
	ft. AMSL	ft. AMSL	ft. MP	ft. MP	ft. AMSL
129-MW-1	434.87	435.3	17.2	10.34	424.5
129-MW-2	424.79	422.6	16.2	6.94	417.9
129-MW-3	422.51	420.4	16.3	6.30	416.2
129-MW-4	425.99	423.7	15.4	7.19	418.8
153-MW-1	420.94	419.3	15.2	3.71	417.2
153-MW-2	435.13	435.6	17.3	8.51	426.6
PZ-1	425.33	423.1	10.1	4.78	420.6

Notes:

1. ft. AMSL = feet Above Mean Sea Level.
2. ft. MP = feet below the surveyed measuring point.

Figures



REFERENCE: BASE MAP SOURCE USGS 7.5 MINUTE QUADS. SERIES ONEIDA, NEW YORK, 1955.

2000' 0 2000'

Approximate Scale: 1" = 2000'

AREA LOCATION

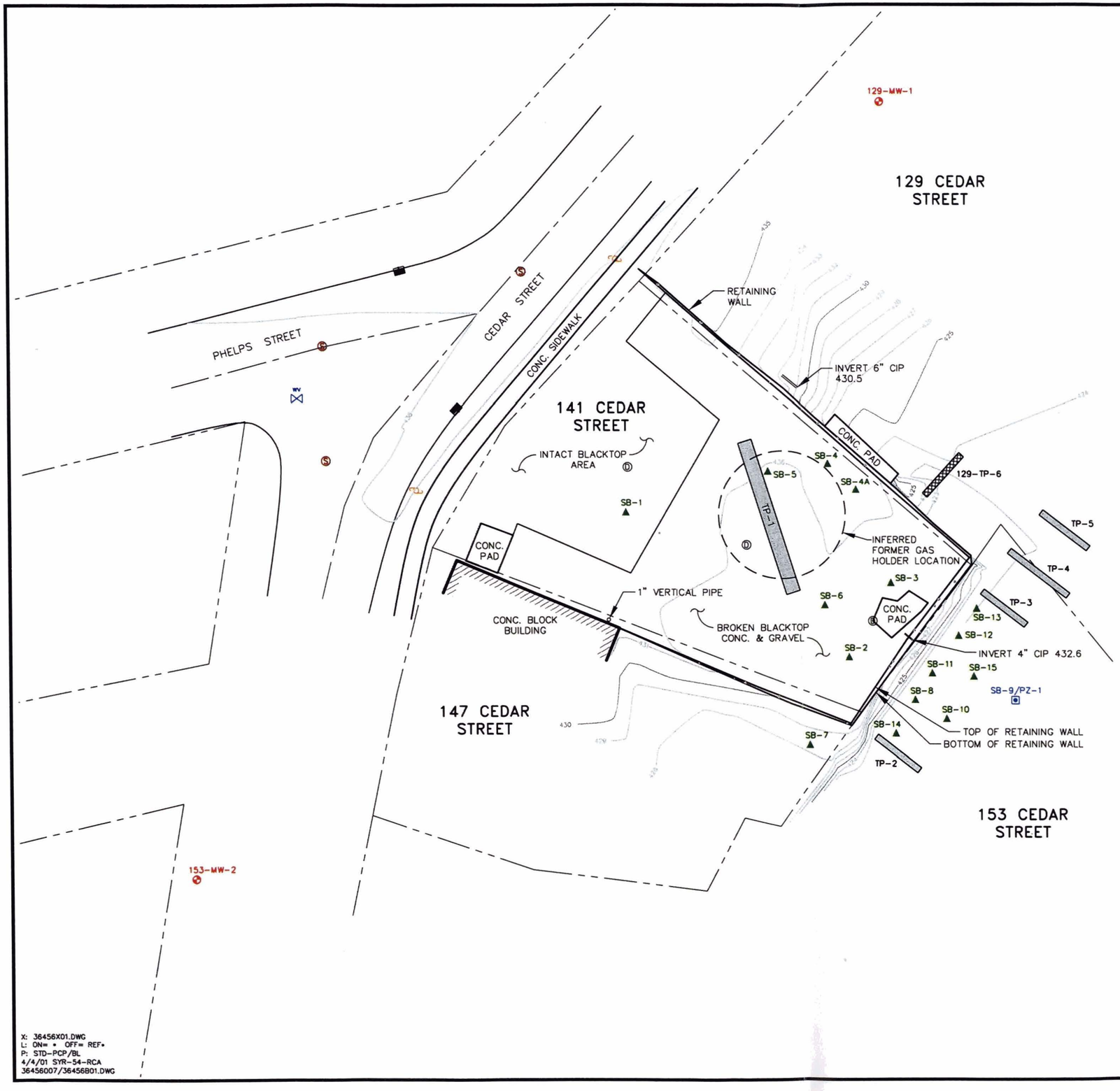
03/01 SYR-D54-LBR DJH MRC
36456007/36456n01.cdr

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION REPORT

SITE LOCATION MAP

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

FIGURE 1



LEGEND

SB-13 ▲	SOIL BORING
PZ-1 ▣	TEMPORARY MONITORING WELL
TP-1 ▭	TEST PIT
129-TP-6 ▭	TEST PIT INSTALLED BY HARZA
129-MW-1 ⊕	MONITORING WELL (INSTALLED BY HARZA)
	UTILITY POLE
S	SANITARY MANHOLE
	DROP INLET
D	CATCH BASIN
W	WATER VALVE
CIP	CAST IRON PIPE
— — —	APPROXIMATE PROPERTY LINE (SEE NOTE 3)

NOTES:

1. NORTH ARROW INDICATES MAGNETIC NORTH AS OBSERVED ON JULY 7, 2000.
2. VERTICAL DATUM IS REFERENCED TO NGVD 1929. HORIZONTAL DATUM IS ASSUMED.
3. NO BOUNDARY SURVEY WAS CONDUCTED, ANY PROPERTY LINES SHOWN ARE DIGITIZED FROM A PHOTOCOPY OF MADISON COUNTY TAX MAP, DATED 1975, AT AN APPROXIMATE SCALE OF 1"= 100', AND ARE APPROXIMATE ONLY.
4. MONITORING WELLS SHOWN ON THIS FIGURE ARE FROM THE FEBRUARY, 2000 SITE INVESTIGATION AND REMEDIAL ACTION REPORT (SI/RAR) FOR THE 129 CEDAR STREET PARCEL (e.g. 129-MW-2) AND THE MAY 2000 DRAFT SI/RAR FOR THE 153 CEDAR STREET PARCEL (e.g. 153-MW-1), COMPLETED BY HARZA ENGINEEERING COMPANY.
5. PROPERTY NUMBER PREFIX (i.e. 129- AND 1153-) FOR MONITORING WELL INSTALLED BY HARZA WERE ATTACHED HERE FOR CLARITY.

REFERENCE DRAWINGS:

1. MAP SHOWING SITE PLAN – 129 CEDAR STREET, BROWNFIELD INVESTIGATION CITY OF ONEIDA, ONEIDA COUNTY, NEW YORK. DATED 11/15/99 BY HARZA NORTHEAST.

0 30' 60'

GRAPHIC SCALE

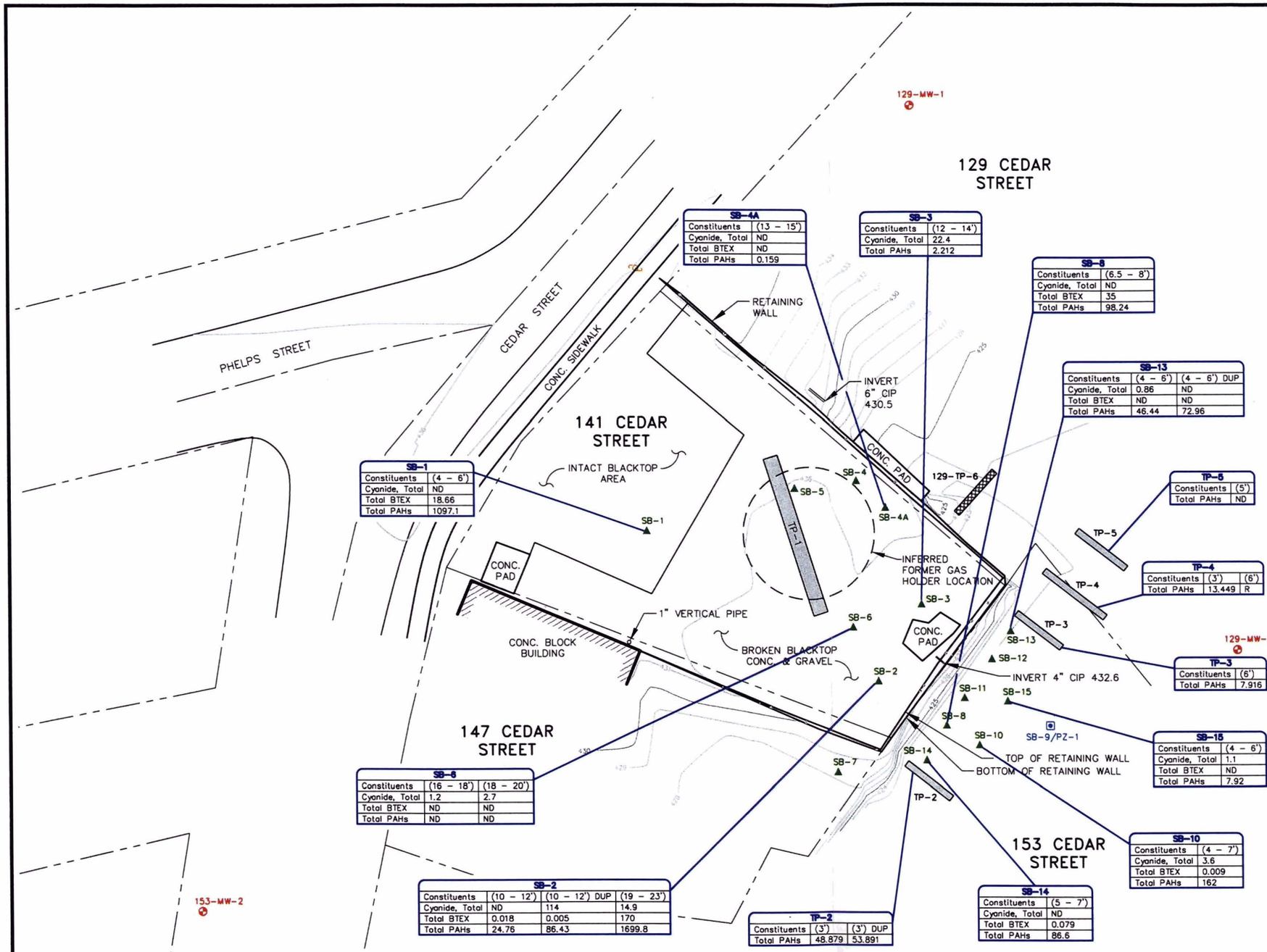
NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION REPORT

SITE MAP

BBL BLASLAND, BOUCK & LEE, INC. *engineers & scientists*

FIGURE **2**

X: 36456X01.DWG
L: ON= * OFF= REF*
P: STD-PCP/BL
4/4/01 SYR-54-RCA
36456007/36456B01.DWG



SB-4A	
Constituents	(13 – 15')
Cyanide, Total	ND
Total BTEX	ND
Total PAHs	0.159

SB-3	
Constituents	(12 – 14')
Cyanide, Total	22.4
Total PAHs	2.212

SB-8	
Constituents	(6.5 – 8')
Cyanide, Total	ND
Total BTEX	35
Total PAHs	98.24

SB-13		
Constituents	(4 – 6')	(4 – 6') DUP
Cyanide, Total	0.86	ND
Total BTEX	ND	ND
Total PAHs	46.44	72.96

TP-5	
Constituents	(5')
Total PAHs	ND

TP-4		
Constituents	(3')	(6')
Total PAHs	13.449	R

TP-3	
Constituents	(6')
Total PAHs	7.916

SB-15	
Constituents	(4 – 6')
Cyanide, Total	1.1
Total BTEX	ND
Total PAHs	7.92

SB-10	
Constituents	(4 – 7')
Cyanide, Total	3.6
Total BTEX	0.009
Total PAHs	162

SB-14		
Constituents	(5 – 7')	
Cyanide, Total	ND	
Total BTEX	0.079	
Total PAHs	86.6	

TP-2		
Constituents	(3')	(3') DUP
Total PAHs	48.879	53.891

SB-2			
Constituents	(10 – 12')	(10 – 12') DUP	(19 – 23')
Cyanide, Total	ND	114	14.9
Total BTEX	0.018	0.005	170
Total PAHs	24.76	86.43	1699.8

SB-6		
Constituents	(16 – 18')	(18 – 20')
Cyanide, Total	1.2	2.7
Total BTEX	ND	ND
Total PAHs	ND	ND

SB-1	
Constituents	(4 – 6')
Cyanide, Total	ND
Total BTEX	18.66
Total PAHs	1097.1

LEGEND

SB-13 ▲	SOIL BORING
PZ-1 ⊙	TEMPORARY MONITORING WELL
TP-1 ▭	TEST PIT
129-TP-6 ▨	TEST PIT INSTALLED BY HARZA
129-MW-1 ⊕	MONITORING WELL (INSTALLED BY HARZA)
	UTILITY POLE
CIP	CAST IRON PIPE
– – – –	APPROXIMATE PROPERTY LINE (SEE NOTE 3)

SB-8	
Constituents	(6.5 – 8')
Cyanide, Total	ND
Total BTEX	35
Total PAHs	R

- SAMPLE ID
- SAMPLE DEPTH, IN FEET BELOW GROUND SURFACE
  DUP = DUPLICATE ANALYSIS
- ND = NOT DETECTED AT OR ABOVE THE QUANTITATION LIMIT
- TOTAL BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
- TOTAL POLYCYCLIC AROMATIC HYDROCARBONS
  R = ONE OR MORE OF THE RESULTS FOR THE PAH COMPOUNDS WAS REJECTED

ANALYTICAL RESULTS GIVEN IN MILLIGRAMS PER KILLOGRAM (mg/Kg), OR PARTS PER MILLION (ppm)

NOTES:

1. NORTH ARROW INDICATES MAGNETIC NORTH AS OBSERVED ON JULY 7, 2000.
2. VERTICAL DATUM IS REFERENCED TO NGVD 1929. HORIZONTAL DATUM IS ASSUMED.
3. NO BOUNDARY SURVEY WAS CONDUCTED, ANY PROPERTY LINES SHOWN ARE DIGITIZED FROM A PHOTOCOPY OF MADISON COUNTY TAX MAP, DATED 1975, AT AN APPROXIMATE SCALE OF 1"= 100', AND ARE APPROXIMATE ONLY.
4. MONITORING WELLS SHOWN ON THIS FIGURE ARE FROM THE FEBRUARY, 2000 SITE INVESTIGATION AND REMEDIAL ACTION REPORT (SI/RAR) FOR THE 129 CEDAR STREET PARCEL (e.g. 129-MW-2) AND THE MAY 2000 DRAFT SI/RAR FOR THE 153 CEDAR STREET PARCEL (e.g. 153-MW-1), COMPLETED BY HARZA ENGINEEERING COMPANY.

REFERENCE DRAWINGS:

1. MAP SHOWING SITE PLAN – 129 CEDAR STREET, BROWNFIELD INVESTIGATION CITY OF ONEIDA, ONEIDA COUNTY, NEW YORK. DATED 11/15/99 BY HARZA NORTHEAST.

0 30' 60'

GRAPHIC SCALE

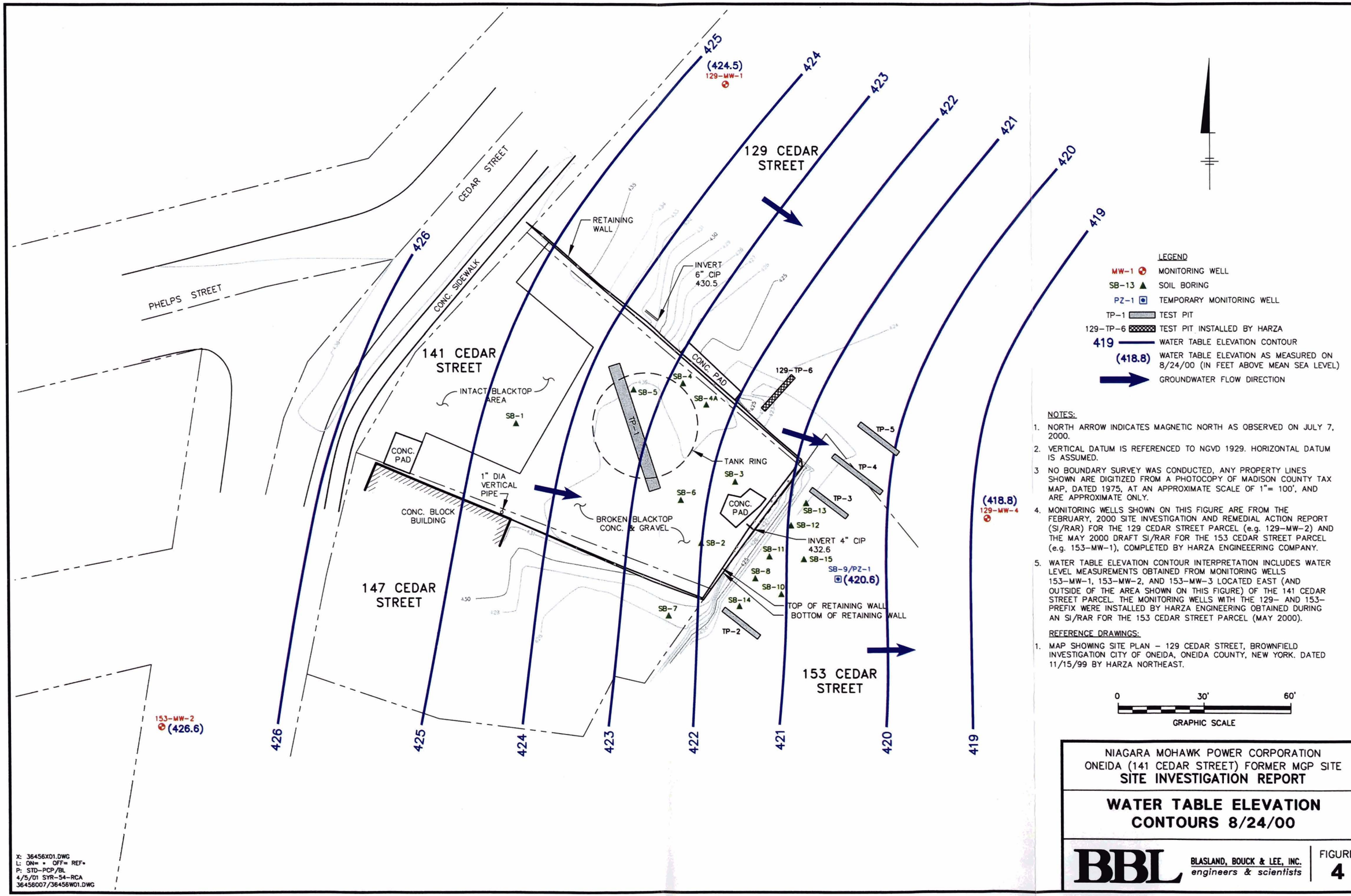
NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION REPORT

SUMMARY OF TOTAL BTEX, PAHs, AND CYANIDE DETECTED IN SUBSURFACE SOILS

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

FIGURE 3

X: 36456X01.DWG
L: ON= * OFF= REF*
P: STD-PCP/BL
4/3/01 SYR-54-RCA
36456007/36456C02.DWG



LEGEND

MW-1	MONITORING WELL
SB-13	SOIL BORING
PZ-1	TEMPORARY MONITORING WELL
TP-1	TEST PIT
129-TP-6	TEST PIT INSTALLED BY HARZA
419	WATER TABLE ELEVATION CONTOUR
(418.8)	WATER TABLE ELEVATION AS MEASURED ON 8/24/00 (IN FEET ABOVE MEAN SEA LEVEL)
	GROUNDWATER FLOW DIRECTION

NOTES:

1. NORTH ARROW INDICATES MAGNETIC NORTH AS OBSERVED ON JULY 7, 2000.
2. VERTICAL DATUM IS REFERENCED TO NGVD 1929. HORIZONTAL DATUM IS ASSUMED.
3 NO BOUNDARY SURVEY WAS CONDUCTED, ANY PROPERTY LINES SHOWN ARE DIGITIZED FROM A PHOTOCOPY OF MADISON COUNTY TAX MAP, DATED 1975, AT AN APPROXIMATE SCALE OF 1"= 100', AND ARE APPROXIMATE ONLY.
4. MONITORING WELLS SHOWN ON THIS FIGURE ARE FROM THE FEBRUARY, 2000 SITE INVESTIGATION AND REMEDIAL ACTION REPORT (SI/RAR) FOR THE 129 CEDAR STREET PARCEL (e.g. 129-MW-2) AND THE MAY 2000 DRAFT SI/RAR FOR THE 153 CEDAR STREET PARCEL (e.g. 153-MW-1), COMPLETED BY HARZA ENGINEEERING COMPANY.
5. WATER TABLE ELEVATION CONTOUR INTERPRETATION INCLUDES WATER LEVEL MEASUREMENTS OBTAINED FROM MONITORING WELLS 153-MW-1, 153-MW-2, AND 153-MW-3 LOCATED EAST (AND OUTSIDE OF THE AREA SHOWN ON THIS FIGURE) OF THE 141 CEDAR STREET PARCEL. THE MONITORING WELLS WITH THE 129- AND 153- PREFIX WERE INSTALLED BY HARZA ENGINEERING OBTAINED DURING AN SI/RAR FOR THE 153 CEDAR STREET PARCEL (MAY 2000).

REFERENCE DRAWINGS:

1. MAP SHOWING SITE PLAN – 129 CEDAR STREET, BROWNFIELD INVESTIGATION CITY OF ONEIDA, ONEIDA COUNTY, NEW YORK. DATED 11/15/99 BY HARZA NORTHEAST.

0 30' 60'

GRAPHIC SCALE

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION REPORT

WATER TABLE ELEVATION CONTOURS 8/24/00

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

FIGURE 4

X: 36456X01.DWG
L: ON= * OFF= REF*
P: STD-PCP/BL
4/5/01 SYR-54-RCA
36456007/36456W01.DWG

Attachments

Attachment 1

July 14, 2000 and November 3, 2000 Letters from NMPC to NYSDEC

Niagara Mohawk

Steven P. Stucker
Environmental Analyst

Phone: 315-428-5652
FAX: 315-460-9670
E-mail: stuckers@nimo.com

July 14, 2000

Mr. John Helmeset, P.E.
Bureau of Western Remedial Action
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

Re: Additional Investigations
Niagara Mohawk Power Corporation
Oneida (141 Cedar Street) Former MGP Site

Dear Mr. Helmeset:

This letter documents the agreed-upon additional investigation activities to be completed at the Oneida (141 Cedar Street) Former Manufactured Gas Plant (MGP) Site. These additional investigations were agreed to during a conference call between you, Cathy Geraci [Blasland, Bouck & Lee, Inc. (BBL)], George Thomas (BBL), and me on July 24, 2000 and are beyond the scope of work presented in the Supplemental Investigation Work Plan, dated May 24, 2000. The table below summarizes the proposed additional investigation activities and documents the rationale for these activities. A hand-sketched figure of the site and locations of the soil borings installed during the recent investigation activities is attached. This figure was previously provided to you to facilitate the July 24, 2000 conference call.

Location	Rationale
SB-6 Within extent of 141 Cedar Street retaining walls, outside of the former gas holder, located between SB-2 and SB-5.	Assess horizontal extent of presumed MGP-impacted materials observed in SB-2 at 16.5 feet below grade (bg), assess depth to native materials, and provide another boring near the former gas holder.
SB-7 Approximately 10 feet south of the southern retaining wall at 141 Cedar Street, south of SB-2.	Assess horizontal extent of presumed MGP-impacted materials observed in SB-2 at 16.5 feet bg and assess depth to native materials.
SB-8 Approximately 10 feet east of the 141 Cedar Street eastern retaining wall, east of SB-2.	Assess horizontal extent of presumed MGP-impacted materials observed in SB-2 at 16.5 feet bg and assess depth to native materials.

Location	Rationale
SB-9 Approximately 30 feet to 40 feet east of the eastern retaining wall at 141 Cedar Street.	Provide a soil boring at a presumed downgradient location from 141 Cedar Street. A temporary well will be installed at this location and sampled for Target Compound List/Target Analyte List (TCL/TAL) constituents with a □results only□ data package if MGP-impacted materials are not identified. Ground-water sampling will follow rudimentary development with a disposable bailer. If feasible, a depth to water and a relative elevation of the water table will also be determined. In addition, a round of water levels from the existing monitoring wells on the 129 and 153 Cedar Street properties will be obtained to further assess the ground-water flow patterns near the 141 Cedar Street property.

While not discussed in detail during the conference call, NMPC proposes to collect additional soil samples from borings SB-6 through SB-8 for environmental characterization. Approximately one soil sample from each boring will be collected and analyzed for TCL/TAL constituents. NMPC does not propose to collect a soil sample from the SB-9 boring for laboratory analytical analysis because a ground-water sample will be collected from the temporary well installed at this location. If evidence of MGP-impacted materials are identified in any of these borings, additional investigation activities (e.g., borings) will be completed to assess the presence or absence of MGP-impacted materials, as necessary and in accordance with the Voluntary Cleanup Agreement. These additional investigation activities, if any, will be determined with the New York State Department of Environmental Conservation and City of Oneida.

As discussed during the conference call, the soil borings and temporary well installation are proposed to be conducted in the near future, in conjunction with the investigation activities currently underway at the Oneida Sconondoa Street Former MGP site. Once a firm start date is determined for the recommencement of work at the 141 Cedar Street site, NMPC will contact the NYSDEC regarding the proposed schedule.

Please feel free to contact me if you have any questions or require further assistance.

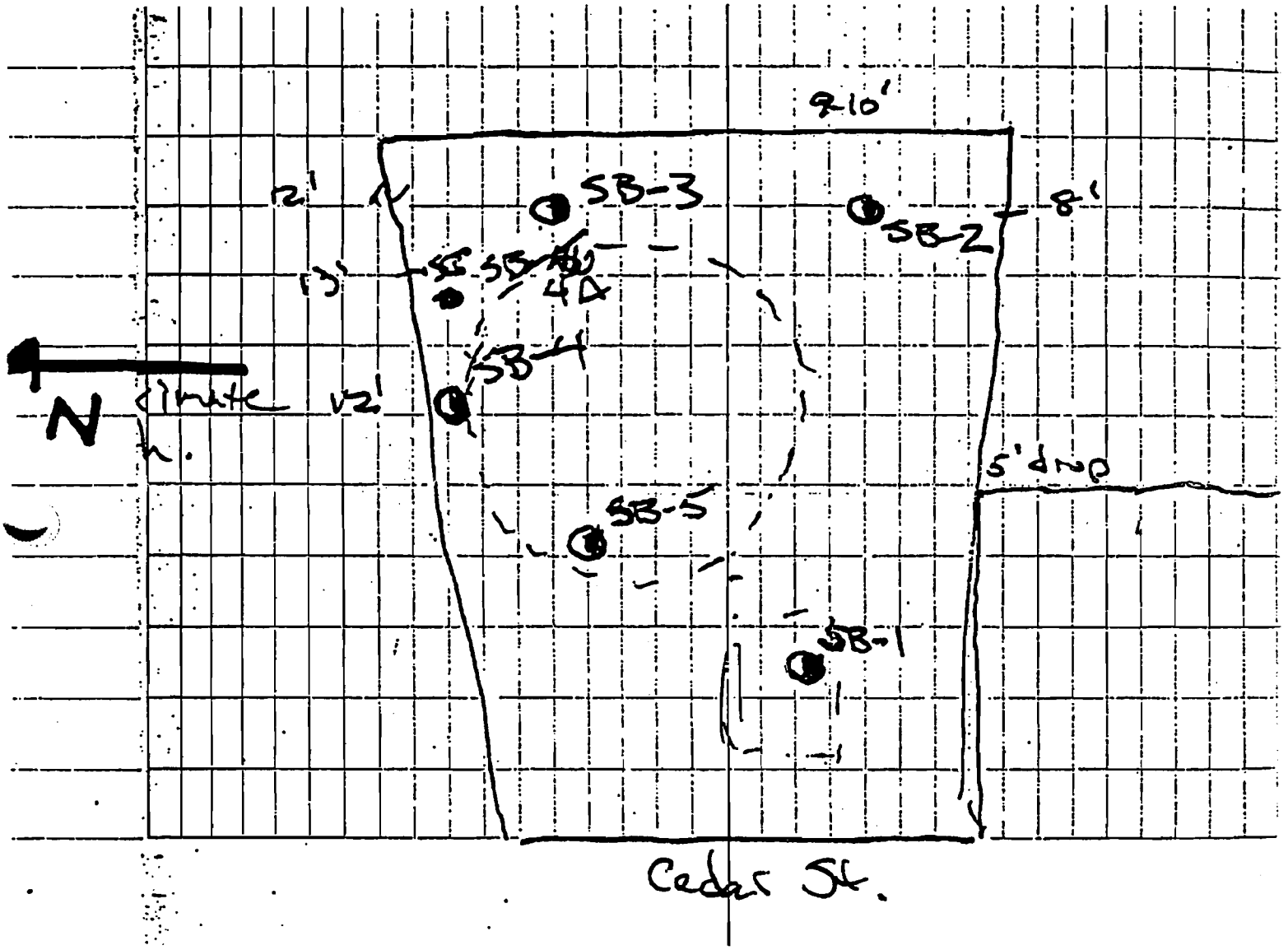
Sincerely,

Steven P. Stucker, C.P.G.

Attachment

cc: James W. Bacher, P.E.-City of Oneida
Michael W. Sherman-Niagara Mohawk Power Corporation
William C. Weiss-Niagara Mohawk Power Corporation
M. Cathy Geraci-Blasland, Bouck & Lee, Inc.
George M. Thomas-Blasland, Bouck & Lee, Inc.

Oneida (141 Cedar Street) Former MGP Site
"Working Hand-Sketched Figure"
NOT-TO-SCALE



Niagara Mohawk

Transmitted Via Facsimile/U.S. Mail

July 14, 2000

Mr. John A. Helmeset, P.E.
Environmental Engineer 2
MGP Section
Bureau of Western Remedial Action
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Wolf Road
Albany, NY 12233-7010

Re: Site Investigation Work Plan
Niagara Mohawk Power Corporation
Oneida (141 Cedar Street) Former MGP Site
Oneida, New York

Dear Mr. Helmeset:

Thank you for your review of the Site Investigation (SI) Work Plan for the Oneida (141 Cedar Street) Former Manufactured Gas Plant (MGP) Site in Oneida, New York. Presented below are Niagara Mohawk Power Corporation's (NMPC's) responses to the New York State Department of Environmental Conservation's (NYSDEC's) comments regarding the SI Work Plan that were presented in your July 7, 2000 letter to NMPC. For ease of presentation, the following presents the NYSDEC's comments followed by our response.

Comment: *Our Department also expects that if contamination is identified at the site that appears to extend beyond the area encompassed by the retaining walls at the site, that additional borings will be completed on the adjoining City owned properties (129 and 153 Cedar Street) as part of this field mobilization to assess the presence or absence of this contamination on those properties.*

Response: If evidence of MGP-impacted materials are identified within the area encompassed by the retaining walls at the site, additional investigation activities (e.g., borings) will be completed on the City owned adjoining properties to assess the presence or absence of MGP-impacted materials on those properties, as necessary and in accordance with the Voluntary Cleanup Agreement. These additional investigation activities, if any, will be determined with the NYSDEC and City of Oneida and completed during this field event, if possible, in conjunction with the pre-design characterization activities at the Sconondoa Street Former MGP Site. Drilling and sampling procedures will be conducted in accordance with the Quality Assurance Project Plan (QAPP) and Field Sampling Plan (FSP) provided in the Preliminary Remedial Design Work Plan for the Sconondoa Street Former MGP Site (BBL, May 2000). As stated on the second page of your letter, you requested that if additional site investigation and characterization work is required, it should be conducted in accordance with the procedures in the Remedial Investigation Work Plan for Sconondoa Street. NMPC proposes to use the procedures provided in the Preliminary Remedial Design Work Plan because these procedures are generally consistent

with NYSDEC-approved procedures used for other NMPC sites (e.g., Amsterdam and Watertown).

NMPC understands the NYSDEC's right to require a full investigation as identified in the Voluntary Cleanup Agreement, if warranted based upon site conditions. As detailed in the SI Work Plan, the SI is intended to supply the information needed to support an Interim Remedial Measure (IRM) at the site, anticipated to consist of the excavation and off-site treatment/disposal of approximately 2,500 cubic yards of fill materials.

Comment: *Please add the completion of historical research to the breakdown of work plan tasks for Cedar Street. The general site history contained in this submittal is insufficient to determine the needed level of effort to fully characterize the site. This information includes the SI/RAR report for the adjoining 129 and 153 Cedar Street properties. These reports contain valuable information such as a complete set of analytical data and stratigraphy from the monitoring wells.*

Response: As documented in an e-mail from James Bacher, P.E. of the City of Oneida to yourself on July 12, 2000, the SI/RAR report for 153 Cedar Street has not yet been finalized. NMPC will coordinate with the City of Oneida to obtain this report. Pertinent historical information from the SI/RAR reports for the adjoining 129 and 153 Cedar Street properties will be incorporated in NMPC's letter report to the NYSDEC summarizing the SI field activities and analytical results.

Comment: *Wells will need to be installed directly down gradient of the site and any identified areas of contamination to quantify or confirm the lack of groundwater contamination associated with the site. None of the existing wells appears to be directly down gradient of the site and they all appear to be of an extremely shallow depth. Additionally, the provided groundwater contour map appears inaccurate. We strongly suggest that this work be completed as part of the current site work.*

Response: As discussed during the June 30, 2000 project meeting at the site, monitoring wells may be installed depending upon the findings of the SI activities. If MGP-impacted materials are not identified during the SI activities, NMPC believes there is no need to install monitoring wells either on-site or downgradient of the site.

NMPC agrees that the existing monitoring wells on the adjacent property do not appear to be directly downgradient from the 141 Cedar Street site, however the analytical results of the investigation activities conducted at 129 Cedar Street do provide relevant information as you indicated on the second page of your letter. The monitoring wells installed as part of the SI activities for 129 Cedar Street are screened from 3 feet to 14 feet below ground surface (bgs), 4 feet to 14 feet bgs, or 8 feet to 18 feet bgs. The ground surface elevation of these monitoring wells are below the surface elevation of the 141 Cedar Street site and some are below the elevation of the toe of the retaining wall. Monitoring wells, if necessary, will be installed in accordance with the FSP provided in the Preliminary Remedial Design Work Plan for the Sconodoa Street Former MGP Site.

Comment: *Additional samples will need to be collected to characterize the soils underlying those bound by the retaining walls. We suggest that a minimum of five additional samples be collected at the currently proposed boring locations. Four at the interface of the soils bound by the retaining wall and those underlying the toe of the retaining wall, and one at the top of the*

peat layer. This will require the advancement of the proposed borings through the retaining wall soils, deeper than the proposed 15 feet. The depth of advancement of all of the borings beneath the retaining walls should be to the peat layer identified during the 129 Cedar Street brownfield investigation. This depth varies, but should only be approximately 25 feet on the east end of the site which has the greatest amount of fill. We also believe that a test pit should be utilized to characterize the holder contents and integrity instead of a boring.

We also request that the boring outside the holder be placed on the north side of the former holder, and that at least one of the remaining two borings be placed adjacent to the eastern retaining wall.

Response: As detailed in the SI Work Plan, discrete soil samples were proposed by NMPC to be collected at the bottom of each of the five soil borings to determine the soil quality at the base of the soil expected to be excavated during the IRM. The intent of this proposed sampling is to characterize the material below the soil expected to be excavated during the IRM (i.e., below the retaining wall). Accordingly and consistent with the NYSDEC's comment, soil samples will be collected below the soils bound by the retaining wall and those underlying the toe of the retaining wall from four of the five soil borings to be installed.

Each of the five soil borings from which these samples are collected will be advanced to the native material (e.g., peat, silt) or to a maximum depth of approximately 30 feet bgs, whichever is shallower. A soil sample will be collected from the fifth soil boring at the top of the native material. Additional soil samples may be collected from the four other borings from the top of the native material based on photoionization detection (PID) readings, odors, staining, or non-aqueous phase liquid (NAPL) observed in the soil, if any. Furthermore, the borings may be advanced further if evidence of MGP-impacted material is identified at the base of the boring as defined above. Borings, however, will not penetrate a confining unit if NAPL or significant indications of NAPL are observed. Also as requested in your July 7, 2000 comment letter, one soil boring will be installed outside and north of the former gas holder and a second boring will be installed adjacent to the eastern retaining wall, as well as within the approximate center of the former gas holder (as detailed in the SI Work Plan).

In addition to the soil boring to be installed in the approximate center of the former gas holder, a test pit will be conducted within the location of the former gas holder to facilitate determining the contents and integrity of the former gas holder, if present. The test pit is anticipated to be at least 6 feet in length and excavated until either significant source materials are encountered, or to within the physical limits of the excavation equipment (backhoe). The installation of the test pit (depth and location) may be limited due to a storm water grate (system) observed to be located in the vicinity of the former gas holder. The test pit will be visually characterized with depth, as well as photographed for future reference. Following visual description, the test pit will be backfilled with the material removed from this test pit. Drilling, test pit excavation, and sampling procedures will be conducted in accordance with the QAPP and FSP for the Sconondoa Street Former MGP Site.

Comment: *The soil sample analytical parameters for the samples collected from beneath the soils bounded by the retaining walls should be modified to the full Target Compound and Target Analyte List (TCL/TAL) plus cyanide.*

Response: Each of the five discrete soil samples to be collected from beneath the soils bounded by the retaining walls will be analyzed for full TCL/TAL and total cyanide.

Comment: *To properly characterize the soil on the site for disposal, they should also be tested for the other Resource Conservation and Recovery Act (RCRA) parameters, i.e. ignitability, and the toxicity characteristic leaching protocol (TCLP) analysis metals.*

Response: The SI Work Plan identifies that three discrete soil samples will be collected and submitted for laboratory analysis for the TCLP volatile organic constituents. To address the NYSDEC's comment, each of the three discrete soil samples will also be submitted for laboratory analysis for ignitability, corrosivity, reactivity, and full TCLP to provide information whether or not the soil exhibits a characteristic(s) of a RCRA hazardous waste for treatment/disposal purposes. Soil samples subjected to RCRA characterization analyses will be determined based on PID readings, odors, staining, and NAPL observed, if any. These samples will be representative of the material that will be treated/disposed.

Comment: *The proposed plan also calls for the homogenizing of soil boring intervals. We do not find the homogenizing or compositing of samples for semivolatiles and volatiles acceptable to characterize a site or to determine if the material is hazardous waste. The most contaminated interval of the sample core, based on Hnu readings and olfactory observations, should be collected for analysis. Once the material is determined to be hazardous or non hazardous, compositing for characterization for the treatment or disposal facility use would be acceptable to our Department.*

Response: As stated in the previous response, three discrete (i.e., not homogenized or composited) soil samples will be collected and submitted for laboratory analysis for ignitability, corrosivity, reactivity, and full TCLP to determine if the soil exhibits a characteristic(s) of a RCRA hazardous waste for treatment/disposal purposes. Soil samples subjected to RCRA hazardous waste characterization will be determined based on PID readings, odors, staining, or NAPL observed, if any. These samples will be representative of the material that will be treated/disposed. Additional soil samples will be homogenized and analyzed for the suite of constituents presented in the SI Work Plan to meet the characterization criteria required for treatment/disposal by Environmental Soil Management of New York, LLC, assuming the soil is not a RCRA hazardous waste.

Comment: *The citizen participation plan should be provided to us prior to the commencement of field work at the site.*

Response: The Citizen Participation Plan (CPP) will be provided to the NYSDEC prior to commencement of field work at the site. Based on a telephone conversation between myself and Robert W. Schick, P.E. of the NYSDEC on July 12, 2000, the NYSDEC understands the CPP will be provided to the NYSDEC prior to commencement of field work and that NMPC will coordinate with the neighboring properties regarding the upcoming field activities at the site.

Comment: *Please provide the qualifications of the University of Binghamton to perform the cultural resource investigation. These qualifications should include the resumes of project staff, resources, jobs completed of similar size and scope, and references.*

Response: Please find attached a copy of Binghamton University's qualifications to perform the cultural resource investigation. NMPC has used Binghamton University to perform cultural resource investigations at other NMPC sites and have previously submitted their qualifications to the NYSDEC. As detailed in the attached qualifications, the scope of services to perform the cultural resource investigation complies with Section 106 of the National Historic Preservation Act, the New York State Historic Preservation Act, the New York State Environmental Quality Review Act and the professional standards of the New York Archaeological Council. The Principal Investigator and supervisory staff meet or exceed the professional qualifications presented in 36 CFR 61.

The cultural resource investigation will not be performed prior to conducting the field activities, however, on-site personnel conducting the field activities will use a guide entitled "Major Aboriginal Projectile Points in New York State", developed by Collamor & Associates, Inc. Archaeological Services & Historic Research, to observe cultural resources, if any. If cultural resources are observed during the field activities, NMPC will notify the New York State Historic Preservation Office.

The field walkover portion of the cultural resource investigation is scheduled to be conducted during the week of July 17, 2000. The remainder of the cultural resource investigation will be completed soon after the field walkover.

We hope that this letter satisfactorily addresses the NYSDEC's comments on the SI Work Plan. Please note that the SI field activities at the 141 Cedar Street site are scheduled to start on July 18, 2000. I will call you prior to then to discuss NMPC's responses and confirm this start date.

If you have any questions or require additional information, please do not hesitate to call me at (315) 428-5652.

Sincerely,

Steve Stucker /TMM

Steven P. Stucker, C.P.G.
Project Manager

TMM/cmd
Attachment

cc: James Bacher, P.E., City of Oneida
Michael W. Sherman, Niagara Mohawk Power Corporation
William C. Weiss, Esq., Niagara Mohawk Power Corporation
George M. Thomas, P.G., Blasland, Bouck & Lee, Inc.
M. Cathy Geraci, Blasland, Bouck & Lee, Inc.
File

STAGE 1A ARCHAEOLOGICAL SURVEY
ONEIDA NGP PROJECT
ONEIDA, NEW YORK

I. INTRODUCTION

The Public Archaeology Facility (PAF) proposes to conduct a Stage 1A Archaeological Survey for the proposed Oneida NGP Project in the City of Oneida, Oneida County, New York.

Our proposed scope of services for this proposed work complies with Section 106 of the National Historic Preservation Act, the New York State Historic Preservation Act, the New York State Environmental Quality Review Act and the professional standards of the New York Archaeological Council (NYAC 1994).

II. TECHNICAL APPROACH

The Oneida NGP Project consists of a 1.5 to 2 acre parcel in order for remediation action to occur. The project area would appear to be sensitive for archaeological resources according to the general topography and known sites in the area. Our scope of services will include the following specific tasks:

1. **Literature Review.** Researchers will compile information on the known prehistory, history and environment of the project area to assess the relative sensitivity for finding cultural resources. This research will include site files checks at the New York State Museum (NYSM), Office of Parks, Recreation and Historic Preservation (OPRHP), and Public Archaeology Facility in Binghamton (PAF). Researchers will also check written histories, prehistories, topographic maps, and soil surveys. These combined data will allow an assessment of project sensitivity. The soils information also guides our recommendations for Stage 1B subsurface testing and target depths of hand excavations. In combination, this information will help structure archaeological field testing strategies.

2. **Project Walkover.** Professional archaeologists will visit the project area to determine areas of prior disturbance or places where cultural resources, such as historic foundations and artifact scatters, are visible on the ground surface. This information will contribute to our assessment of project sensitivity.

3. **Summary Report.** At the conclusion of the Stage 1A survey, we will summarize our background and findings in a brief report. We will submit 4 copies of this report to you, all with original photographs. The report will include recommendations regarding whether a Stage 1B survey is warranted for the project and will offer strategies to complete that survey.

4. **Schedule.** We expect that the Stage 1A survey will take two weeks to complete. The final report will be submitted within two weeks of the completion of the background research. This schedule can be modified to meet the specific deadlines of your project.

5. **Professional Experience**. Our facility has conducted professional archaeological surveys since 1972. We are the statewide archaeological consultant to the New York State Museum and Department of Transportation for highway surveys throughout New York State. In addition, we have completed large segments of pipeline surveys for Tennessee Gas Pipeline, as well as smaller DEC and EPA permit projects for sewer lines, gravel/topsoil mines, property developments, and airports in New York and Pennsylvania.

6. **Equipment and Facilities**. The Public Archaeology Facility has the following equipment and facilities to support our cultural resource management projects:

   1) Administrative office complex (672 ft^2) housing supervisory staff;
   2) Graphics Lab (741 ft^2) with a fully-equipped darkroom, drafting tables, blue-line reproduction machine and map storage.
   3) Artifact processing lab (475 ft^2) with sinks, drying and cataloging tables and temporary artifact storage shelves
   4) Analysis Lab (696 ft^2) with floatation set-up, lab tables and below table storage drawers;
   5) Permanent artifact curation rooms (400 ft^2 and 300 ft^2);
   6) Equipment storage area (100 ft^2);
   7) Access to four field vehicles (vans, wagons, suburban);
   8) Small and large field and lab equipment;
   9) Soil floatation apparatus;
   10) Six computers and two printers;
   11) Access to the Archaeological Analytical Research Facility, specializing in faunal analysis of Northeastern US collections.

7. Personnel. I will serve as the Principal Investigator for this project (credentials attached). The Project Director and crew will be assigned when the project is scheduled. All supervisory staff meet or exceed the professional qualifications in 36 CFR 61.

QUALIFICATIONS OF THE PRINCIPAL INVESTIGATOR

Dr. Nina M. Versaggi
Director and Principal Investigator, Public Archaeology Facility

Versaggi received her doctorate in Anthropology from SUNY-Binghamton in 1988, her MA from SUNY University at Binghamton in 1976 and her BA from Rutgers University in 1974. She has been active in professional archaeology since 1972. Professional positions held include Director of the Public Archaeology Facility since 1988, Partner in Compliance Survey Associates for 6 years, Guest Curator at the Roberson Museum and Science Center, and Post-doctoral Fellow at the Hartwick College Museums. She serves as principal investigator for all current and past projects of the Public Archaeology Facility whose recent projects include the Rainbow Plaza Data Recovery in Niagara Falls and the state-wide highway subcontract with the New York State Museum and NYSDOT. She has authored "Hunter to Farmer: 10,000 Years of Susquehanna Valley Prehistory," "Prehistoric Hunter-Gatherer Settlement Models: Interpreting the Upper Susquehanna Valley," and "Upland Foraging Sites in the Northeast: Engendering Prehistory," which are based on NYSDOT and pipeline prehistoric data. She is a member of the board for the Preservation Association of the Southern Tier, and for the New York Archaeological Council she chairs the Professional Survey and Report Standards Committee. She serves as an Adjunct Associate Professor at Binghamton University.

RESUMES OF KEY PERSONNEL
ONEIDA REMEDIATION PROJECT

Nina M. Versaggi, PhD
Director and Principal Investigator, Public Archaeology Facility

Versaggi received her doctorate in Anthropology from SUNY-Binghamton in 1988, her MA from SUNY University at Binghamton in 1976 and her BA from Rutgers University in 1974. She has been active in professional archaeology since 1972. Professional positions held include Director of the Public Archaeology Facility since 1988, Partner in Compliance Survey Associates for 6 years, Guest Curator at the Roberson Museum and Science Center, and Post-doctoral Fellow at the Hartwick College Museums. She serves as principal investigator for all current and past projects of the Public Archaeology Facility whose recent projects include the Rainbow Plaza Data Recovery in Niagara Falls and the state-wide highway subcontract with the New York State Museum and NYSDOT. She has authored "Hunter to Farmer: 10,000 Years of Susquehanna Valley Prehistory," "Prehistoric Hunter-Gatherer Settlement Models: Interpreting the Upper Susquehanna Valley," and "Upland Foraging Sites in the Northeast: Engendering Prehistory," which are based on NYSDOT and pipeline prehistoric data. She is a member of the board for the Preservation Association of the Southern Tier, and for the New York Archaeological Council she chairs the Professional Survey and Report Standards Committee. She serves as an Adjunct Associate Professor at Binghamton University.

Christopher D. Hohman, RPA
Assistant to the Director and Project Director, Public Archaeology Facility

Hohman received his MA in Anthropology from the University of Connecticut in 1986 and his BA in Anthropology from the University of Rhode Island in 1983. He has worked in professional archaeology since 1983 and in 1987 joined the staff of the Public Archaeology Facility. From 1990 to 1991, Hohman served as one of the Coordinators at Garrow and Associates for the 300 + mile Iroquois Gas pipeline project in New York and Connecticut. He has served as project director on a wide range of site examinations and surveys including the Whirlpool Rapids Reconnaissnce, and the Rainbow Plaza Reconnaissance and Data Recovery in Niagara Falls. His research interests include Northeast prehistory and 19th century rural and urban settlements. The author of numerous cultural resource management reports, he currently directs projects for PAF's statewide highway contract with the State Museum and other projects in New York State and Pennsylvania. Member of ROPA (Register of Professional Archaeologists), the Council for Northeast Historic Archaeology and the Archaeological Society of Connecticut.

Barbara Ross
Assistant Director for Research, Public Archaeology Facility

Ross received her MS in Public Archaeology from Rensselaer Polytechnic Institute in 1981 and her BA in Anthropology from SUNY at Albany in 1978. She has been active in professional archaeology since 1979 as a principal investigator with various NYS private firms and the NYS Museum's Cultural Resource Survey Program (NYSM CRSP). She served as Assistant Director of the the NYSM CRSP from 1983 - 1995. This position included three years as interim director as well as liaison with NYS client agencies and SUNY subcontractors. Her primary area of interest is late eighteenth and nineteenth century rural residential/agricultural archaeology and architecture/landscape preservation. She joined the staff of the Public Archaeology Facility in 1996 to assist the program director with administration of its statewide highway contract with the NYSM.

Brian Russell Grills
Researcher, Public Archaeology Facility

Grills received his B.A. in History (with a minor in Anthropology) from Ohio Wesleyan University in 1994. He is currently enrolled in the M.A. program in Anthropology at Binghamton University (SUNY), specializing in Northeastern US archaeology. Since June 1995 he has been employed with the Public Archaeology Facility at Binghamton University, Binghamton, NY. As a field technician, he worked on a wide range of reconnaissance, site exams, and data recoveries. His archaeological experience also included working in the artifact processing laboratory assisting with cleaning and cataloging prehistoric and historic artifacts, prehistoric lithic analysis, and soil flotation. Since 1997, he has also participated in PAF projects as a researcher, crew chief and field director. Experience with other groups included working at the Erie Canal Boat Landing Museum in Madison County, NY, student in the SUNY-Cortland fieldschool along the Otselic River, and excavator at the Tarbat Ness Archaeological Research Project, UK.

Maria Pezzuti
Administrative Assistant, Public Archaeology Facility

Pezzuti has administered contracts and grants since 1984, where she was on the staff of the Research Foundation of SUNY, Office of Contract and Grant Administration inAlbany, NY. There she monitored the NYS Education Department Highway Salvage contract for all participating SUNY campuses. In 1986 she moved to the Office of Sponsored Programs at Binghamton University where she was responsible for preparating research proposals for submittal. She joined the Public Archaeology Facility in 1989 and since 1992 she has held a concurrent half time positions in the Department of Biological Sciences as Project Coordinator of educational grants from the Howard Hughes Medical Institute. In addition, she has also worked as curator of the Vestal Museum, a small historical museum, and held the positions of secretary and President for the Vestal Historical Society.

Mary Lou Supa
Drafter, Public Archaeology Facility

Supa received her BA and completed gradute course work in Art History. Her work experience ranges from the museum field (collection care and preservation, educational programming and curator) to graphic design and desktop publishing. Supa serves as the drafting director for Public Archaeology Facility providing project maps, site maps and soil profiles for all projects.

REFERENCES FOR THE PUBLIC ARCHAEOLOGY FACILITY

Stage 1, 2, and 3 Cultural Resources Management Surveys, Statewide subcontract with the New York State Museum and New York Department of Transportation. Completed between 30-60 projects per year, including some in the Niagara region of western New York.

Prepared for: The New York State Museum
State Education Department
Albany, New York 12230
Contact: Dr. John P. Hart 518-474-3895

Stage 1 and 2 Cultural Resource Surveys for various airport expansions, road reconstructions, and school expansions.

Prepared for: McFarland-Johnson Engineers, Inc.
49 Court Street, Metrocenter
Binghamton, NY 13902-1980
Contact: David Bors 607-723-9421

Stage 1 and 2 Cultural Resource Surveys for the USDA Natural Resources Conservation Service (NRCS). PAF completes between 8 and 12 wetland restoration and barnyard improvement projects per year on tight schedules.

Prepared for: US Department of Agriculture
Natural Resources Conservation Service
The Galleries of Syracuse
441 South Salina Street, Suite 354
Syracuse, NY 13202-2450
Contact: Florence Swartz 315-477-6533

Niagara Mohawk

Transmitted Via U.S. Mail

November 3, 2000

Mr. John A. Helmeset, P.E.
Environmental Engineer 2
MGP Section
Bureau of Western Remedial Action
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-7010

Re: Test Pits
Niagara Mohawk Power Corporation
Oneida (141 Cedar Street) Former MGP Site
Oneida, New York

Dear Mr. Helmeset:

As a follow up to the discussions we had following the working meeting at the Oneida City Hall on October 19, 2000 regarding the status of the investigation work at the Oneida (141 Cedar Street) Former Manufactured Gas Plant (MGP) Site, this letter outlines recommendations for limited additional subsurface investigations at the site. As we discussed, the limited investigations are proposed to be completed to evaluate potential migration along a former surface water drainage channel located to the southeast of the 141 Cedar Street site. Evidence of the presence of this surface water drainage channel is based on a 1875 Atlas of Madison County (Beers, 1875) showing this area of the site. A copy of this map is attached.

As outlined during the October 19, 2000 meeting, visual indications (e.g., tar or oily sheens) of potentially MGP-related material were observed in three (SB-8, SB-11, and SB-12) of the eight soil probes completed south and southeast of the 141 Cedar Street site. A summary table of the subsurface investigation findings is attached along with a figure showing the locations of the soil probes. A temporary monitoring well, PZ-1, was installed at one of the soil probe locations (SB-9) and ground water was sampled from this well for Target Compound List/Target Analyte List constituents and total cyanide. Volatile organic compounds, semi-volatile organic compounds, polychlorinated biphenyls, pesticides, and total cyanide were not detected in this ground-water sample. Based on the findings of these investigations, visual indications (e.g., tar or oily sheens) were not observed except at the three soil probe locations directly southeast of the retaining wall; however, to assess the possible migration of potentially MGP-related constituents along the former surface water drainage channel, Niagara Mohawk Power Corporation (NMPC) is recommending excavating several test pits approximately 15 feet apart along the inferred location of the former surface water drainage channel. We currently anticipate that these test pits will be excavated in the assumed downstream direction from soil probe SB-13 and one in the upstream direction from SB-14. Additional test pits may be excavated based on the observations made in the field (e.g., if tars or oily sheens are observed in the outermost test pits).

The test pits will be excavated using a decontaminated, rubber-tired backhoe. The actual location of the test pits will be determined in the field. Continuous air monitoring will be conducted as

indicated in the *Preliminary Remedial Design Work Plan,* dated May 2000, for the Sconondoa Street Former MGP Site. Test pit materials will be visually observed and described with respect to the depth. Photographs of the subsurface soil will be taken for future reference. Photoionization detector measurements will be taken on soil samples from the test pit to provide an indication of the relative concentration of total organic volatile compounds. Materials removed from the test pits during excavation will be placed on polyethylene sheeting. Upon completion, the materials from the test pit will be placed back into the excavation. The installation of these test pits are proposed to be conducted in the near future. NMPC will contact the New York State Department of Environmental Conservation (NYSDEC) once a date has been determined to conduct the test pitting activities.

A letter summarizing the field activities and analytical results of the Supplemental Investigation (SI) conducted at the site will include the findings of these test pits. As discussed following the October 19, 2000 meeting, the SI summary letter report will be submitted to the NYSDEC in early December 2000.

Please feel free to contact me if you have any questions.

Sincerely,

Steven P Stucker /GMT

Steven P. Stucker, C.P.G.
Project Manager

GMT/cmd
Attachments
93301750.doc

cc: James Bacher, P.E., City of Oneida
Michael W. Sherman, Niagara Mohawk Power Corporation
William C. Weiss, Esq., Niagara Mohawk Power Corporation
George M. Thomas, P.G., Blasland, Bouck & Lee, Inc.
M. Cathy Geraci, Blasland, Bouck & Lee, Inc.
File

Niagara Mohawk Power Corporation
Oneida (141 Cedar Street) Former MGP Site
Site Investigation Activities

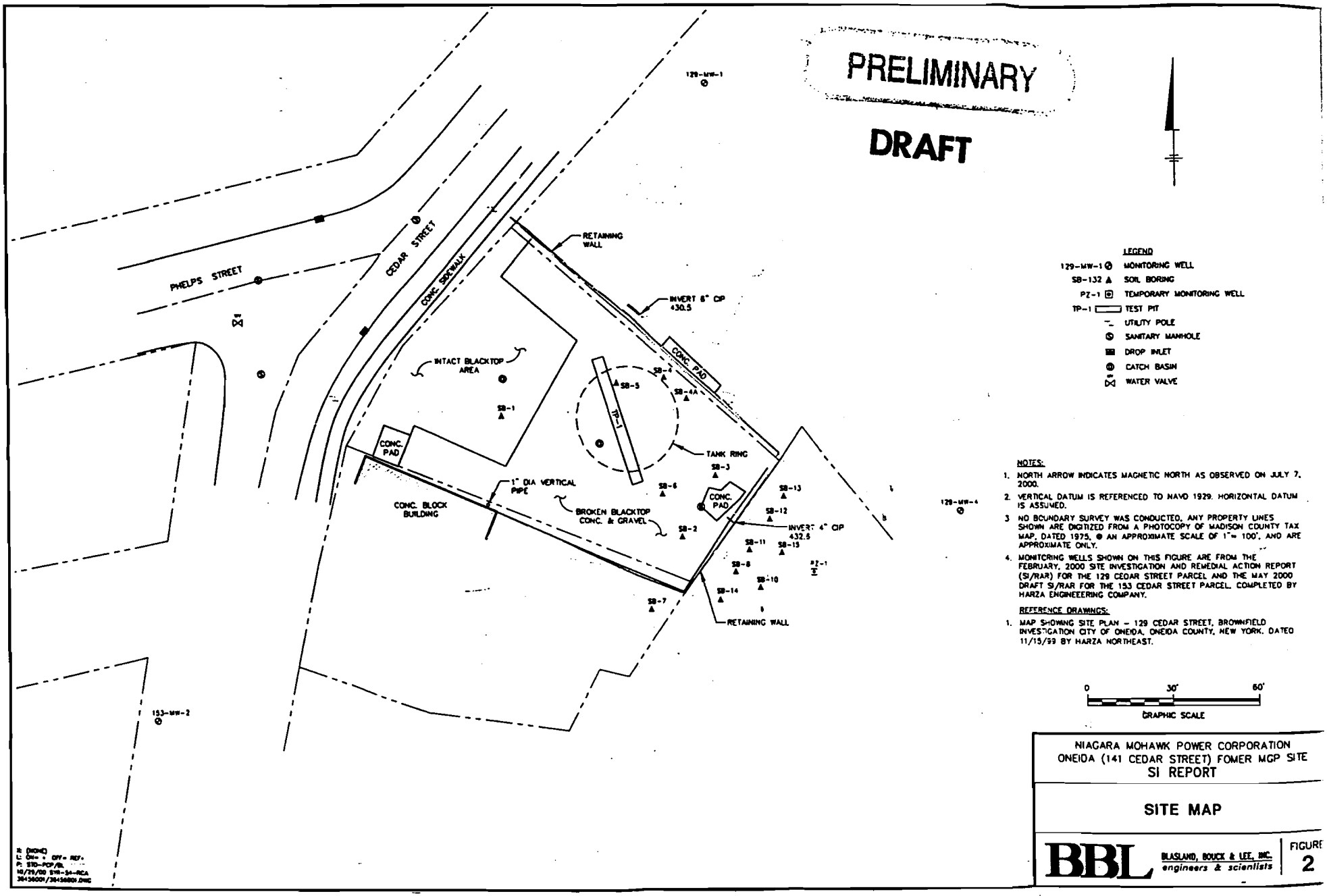
Offsite Boring Summary

Boring ID	PID / (Sample Interval)	Sample Description
SB-7	0.0 (0-4')	0.0-0.7' - Tan brown fine SAND, little medium to coarse Sand, fine Gravel, loose, organics (earth worm).
		0.7-1.2' - Medium to coarse SAND and fine GRAVEL, [FILL], brick fragments, loose, glass fragments.
	NA (4-8')	4.0-8.0' - No recovery.
SB-8	0.0 (0-4')	0.0-1.8' - Light brown fine to medium SAND and roots.
	206 (4-6')	4.0-5.2' - Light brown fine to coarse SAND, some Gravel and organics; black tar throughout sample.
	25.2 (6-8')	5.2-8.0' - Olive-brown to dark brown PEAT, little black staining.
SB-9	0.9 (0-2')	0.0-1.0' - Medium reddish-brown fine to medium SAND, little coarse Sand, fine Gravel.
	2.1(2-4')	1.0-2.1' - Loose fine to coarse SAND, fine Gravel, black, gray, yellow, and red Fill, trace Slag and Brick fragments.
		2.1-3.5' - Medium brown fine SAND, some Silt, little medium to coarse Sand, fine Gravel, Brick, and Cinders [FILL], moist to wet.
	0.0 (4-6')	4.0-5.0' - Medium to light brown fine SAND and SILT, little Clay, trace coarse Sand, stiff, wet.
	1.0 (6-8)	5.0'-7.0' - Black Peaty SILT, grading to dark brown-black PEAT.
SB-10	2.5 (0-4')	0.0-4.0' - Red-brown fine to coarse SAND, organics, and broken concrete [FILL], black staining.
	0.0 (4-7')	4.0-5.4' - red-brown to tan fine to medium SAND, trace to little Silt and Gravel.
	0.0 (7-8')	5.4-8.0' - Olive-gray to dark brown PEAT, black staining.
SB-11	0.0 (0-4')	0.0-4.0' - Red-brown fine to coarse SAND, organics, and slag [FILL].
	NA (4-8')	4.0-8.0' - No recovery in sleeve; black tar on gravel found in shoe.
SB-12	0.0 (0-3')	0.0-3.5' - Red-brown fine to medium SAND, organics, and little Gravel; trace oily sheen; black staining, and odor.
	38.7 (3-3.5')	Refusal at 3.5' bgs.
SB-13	0.4 (0-3')	0.0-4.0' - Brown fine to medium SAND, organics, slag, and brick [FILL]; yellow staining.
	0.0 (3-4')	
	0.0 (4-6')	4.0-7.2' - Olive/yellow-brown to red FILL, fine to coarse Sand; black staining.
	0.0 (6-8')	7.2-8.0' - Dark brown to black PEAT.
SB-14	0.8 (0-2')	0.0-1.8' - Medium brown fine to medium SAND, trace coarse Sand and fine Gravel, loose [FILL].
	0.0 (2-4')	1.8-2.5' - Coarse SAND and fine GRAVEL, [FILL], brick fragments, slag, wet, yellowish brown, red brick.
	4.3 (4-6')	4.0-5.8' - Medium brown fine SAND, some Silt, wet, soft, trace medium to coarse Sand, possible brick fragments.
	28.2 (6-8')	5.8-6.2' - Dark brown-black Peaty SILT, little black wood fragments, possible faint odor.
		6.2-7.5' - Dark brown-black PEAT, low density, moist.
SB-15	0.0 (0-2')	0.0-1.3' - Medium brown fine to medium SAND, trace coarse Sand, loose, moist.
	0.0 (2-4')	1.3-2.2' - Fine to coarse SAND, trace Gravel, red Brick, black-gray Fill, possible Slag, broken rock, trace organics, wet.
	5.5 (4-6')	4.0-5.3' - Medium brown fine SAND, little Silt and medium Sand, trace coarse Sand and fine Gravel, possible brick fragments, wet.
	0.0 (6-8')	5.3-7.6' - Medium brown-black PEAT, low density, moist.

Notes:

PID - Headspace screening measurements of the relative concentration of volatile organic compounds in soil (in parts per million) obtained with a photoionization detector.

Sample Interval - Indicates the depth interval (in feet below ground surface) penetrated by the direct push sampling device. The intervals indicated in the soil description represent actual soil recovery.



NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FOMER MGP SITE
SI REPORT

SITE MAP

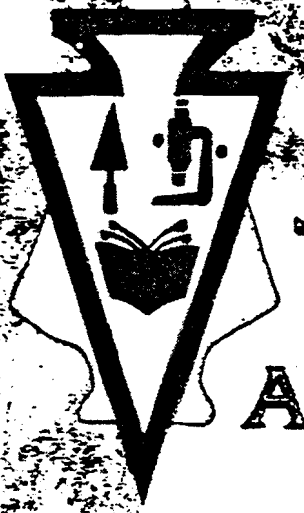
BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 2

EFERENCE:
MAS OF MADISON COUNTY, NEW YORK,
EERS, D.G., 1875

Attachment 2

Stage 1A Cultural Resources Assessment



PUBLIC ARCHAEOLOGY FACILITY REPORT

Department of Anthropology
State University of New York at Binghamton
Binghamton, New York

CULTURAL RESOURCE MANAGEMENT SURVEY
STAGE 1A CULTURAL RESOURCE ASSESSMENT

ONEIDA MGP PROJECT
CITY OF ONEIDA
MADISON COUNTY, NEW YORK
MCD 05340

PREPARED BY:

CHRISTOPHER D. HOHMAN

PREPARED FOR:

BLASLAND, BOUCK AND LEE, INC.
6723 TOWPATH ROAD
SYRACUSE, NY 13214

AUGUST 2000

REPORT OF FIELD RECONNAISSANCE
STAGE 1A CULTURAL RESOURCE ASSESSMENT
ONEIDA MGP PROJECT

Permit Applicant: Blasland, Bouck and Lee, Inc.
Permit Number:
Location: City of Oneida, Madison County, NY (MCD 05340)

Report prepared by: Christopher D. Hohman
Affiliation: Public Archaeology Facility
Binghamton University
Binghamton, New York 13902
(607) 777-4786

Date: August 2000

PROJECT SUMMARY

A Stage 1A cultural resource assessment was requested for the Oneida MGP project in the City of Oneida, Madison County, New York. The project consists of a parcel at 143 Cedar Street that is approximately .22 acres and will impact between .6 to 6 m (2-19 ft) below the surface on the property. Because the project is located on the site of a former gas works, the project may involve the remediation of the property. The project is situated at an elevation of 136 m (445 ft) ASL. Background research on the prehistory of the surrounding area indicated that the project is situated in a zone of moderate prehistoric sensitivity. Eight known prehistoric/contact period sites are located within 3.2 km (2 mi) of the parcel; four of the eight sites are noted as Contact period villages or cemeteries. Background research on the history of the surrounding area indicated that the parcel is in a zone of high historic sensitivity. There are at least two map documented structures (MDSs) from the 19th century located within the project area.

A walkover of the project area revealed that the project is set on top of fill ranging from 2.1-4 m (7-13 ft) in height. The fill has been enclosed and sealed by fieldstone and cement walls on three sides with the fill bordering the sidewalk on the west side of the parcel. A storm drain has been placed within the central portion of the parcel (Attachment F, Photos 1-16).

Since the footprint of the former structures covered approximately 95% of the project area and because of the amount of fill that was placed within the project area in the mid 20th century, the project area has limited research potential in regards to 19th-20th century commerce and industry in the City of Oneida. Because the project area is located away from any major water resources (600 m [2000 ft] to Oneida Creek) and ground disturbance has occurred throughout most of the project area, there appears to be limited potential for prehistoric sites within the project area. Therefore, it is recommended that a Stage 1B archaeological survey is not needed for this parcel.

Part 1: DOCUMENTARY RESEARCH ADDENDUM SITE IDENTIFICATION

A. Documentary Research Addendum (if needed)

1. ..X.. **Local site inventory checked (specify)**
   Public Archaeology Facility, Binghamton University

   ..X.. **Division for Historic Preservation/New York State Museum**

2. ..... **Informants interviewed (name, address, specialty)**

3. ..X.. **Other sources checked (specify)**

Abbott, Arthur J. (1943) Oneida in *Madison County today*.

Beauchamp, William M. (1900) *Aboriginal Occupation of New York*. New York State Museum Bulletin 32: 7, Albany.

Beers, D.G. (1875) *Map of Madison County, New York*. Pennsylvania: Pomeroy, Whitman and Co.

Evans, Gordon (1853) *Topographical Map of Madison County, New York*. Philadelphia: Anthony Byles.

French, J.H. (1859) *Gillette's Map of Madison County*. Philadephia: Jonathan E. Gillette.

Funk, Robert E. (1993) *Archaeological Investigations in the Upper Susquehanna Valley, New York State*. Buffalo: Persimmon Press.

Lehman, Karl H, editor. (1943) *Madison County today*. Oneida Castle, NY.

Parker, Arthur C. (1920) *The Archaeological History of New York*. New York State Museum Bulletins 235-238. Albany: New York State Museum.

Pratt, Peter P. (1976) *Archaeology of the Oneida Iroquois, Volume 1*. Occasional Publications in Northeastern Anthropology, No. 1. Greenfield, MA: Minott Printin and Binding Co.

Ritchie, W. (1980) *The Archaeology of New York State*. Harrison, NY: Harbor Hill Books.

Ritchie, William and Robert Funk (1973) *Aboriginal Settlement Patterns in the Northeast*. Albany: New York State Museum, Memoir 20.

Sanborn Map Company (1890, 1895, 1899, 1904, 1909, 1914, 1923, 1930 and 1956) *Fire Insurance Maps of Oneida*. New York: Sanborn Map Company.

Smith, John E. (1899) *Our county and its people; a description and biographical record of Madison County, New York*. Boston: Boston history company.

Snow, Dean R. (1995) *Mohawk Valley Archaeology: The Sites*. Albany: The Institute for Archaeological Studies.

Tuck, James A. (1971) *Onondaga Iroquois Prehistory: A Study in Settlement Archaeology*. Syracuse: Syracuse University Press.

United States Department of Agriculture (1981) *Soil Survey, Madison County, New York.* Washington, D.C.: USDA Soil Conservation Service with Cornell University Agricultural Experiment Station.

United States Geological Survey (1955) *Oneida, 7.5 minute quadrangle.*

Versaggi, Nina (1986) *Hunter to Farmer: 10,000 Years of Susquehanna Valley Prehistory.* Binghamton, NY: Roberson Center for Arts and Sciences.

Versaggi, Nina (1987) *Hunter-Gatherer Settlement Models and the Archaeological Record: A Test Case for the Upper Susquehanna Valley of New York.* PhD Dissertation. Binghamton, NY.

Whitnall (1943) Geography of Madison County in *Madison County today.*

Whitney, Luna M. Hammond (1872) *History of Madison County, New York.* Syracuse: Truair, Smith and Co.

Results of Documentary Research: ENVIRONMENT AND SOILS

The project area is located at the northern end of Madison County. Madison County is comprised of three main geographical forms: the glacial plain at the northern end; the Allegheny Plateau which covers the rest of the county and the watersheds which divide the drainage into three systems. Oneida is located on the west side of Oneida Creek, which flows into Oneida Lake approximately 10 km (6 mi) to the northwest of the project area. Oneida Creek is located approximately 600 m (2000 ft) east of the project area, although small waterways are noted adjacent to the project area on 19th century historic maps (Attachments D.1-D.3). As noted by Abbott (1943), much of Oneida was located on a swamp adjacent to Oneida Creek, with portions being filled in from the mid 19th century through the early 20th century. The project area itself is located at an elevation of approximately 136 m (445 ft), 2.1-4 m (7-14 ft) above the surrounding surface to the east of the project limits. The setting of the project area consists of an asphalt covered lot with fill enclosed by fieldstone and cement retaining walls (Photos 1-16, Attachment F).

Although the soil survey map of the project area suggests that Teel (Te) silt loam is located within the project area, visual observation suggests that this natural soil horizon may be located adjacent to the project boundaries or under the fill within the project limits. Teel silt loam is formed in silty alluvium that was washed from upland glacial drift. They are nearly level, along streams and subject to flooding. Within an agricultural field, Teel silt loam commonly has a profile of an Ap horizon (12 cm [5 in] of dark brown silt loam), a B21 horizon (28 cm [11 in] of dark reddish gray silt loam), a B22 horizon (55 cm [22 in] of reddish brown silt loam) and a C horizon (50 cm [20 in] of dark reddish gray silt loam that grades to very fine sandy loam (USDA, 1981) (Attachment B.2).

Based on the soil descriptions and the environmental setting, the probability is moderate that prehistoric sites exist in the project area. The project area is located approximately 600 m (2000 ft) west of Oneida Creek, although other water resources may have been available adjacent to the project area. The project area itself is comprised of fill in the vicinity of 19th century structures, suggesting that impacts have been made to the original surface underneath these structures.

Results of Documentary Research: PREHISTORY

During the Paleo-Indian period (10,000-8,000 B.C.) people used the rich resources of low-lying streams and riverbanks for the mainstay of their existence, while using more elevated flood plains and glacial kames for their temporary residences (Ritchie 1980). Paleo-Indian people led a highly mobile life, following megafauna (e.g., caribou, mastodon and moose), fishing, and collecting available plant resources.

People followed a seasonally mobile lifestyle during the Archaic period (8,000-1,500 B.C.). As megafauna became less available, deer, bear, elk, and a wide variety of smaller mammals and birds were substituted (Ritchie 1980). Settlement types for the Early and Middle Archaic periods include large camps and smaller, more temporary camps. Late Archaic sites (large central base camps and temporary camps) are generally located near major waterways, with many special purpose camps and general resource processing areas occurring on a variety of different landforms.

The Transitional period (1,500-1,000 B.C.) is characterized by steatite vessels and broad spear points and a subsistence practice focused on hunting, gathering and fishing. Ceramic vessels were manufactured during this period. Small, temporary camps, often oriented toward river or coastal areas, typify settlement patterns during this period (Ritchie and Funk 1973).

The use of ceramic vessels became more widespread during the Early Woodland period (1,000-200 B.C.). In addition, long-distance contact with cultural groups in the Great Lakes region developed. This contact continued into the subsequent Middle Woodland period (200 B.C. - A.D. 800). During the Early and Middle Woodland periods, subsistence was distinguished by a greater reliance on native plant species (Chenopodium, sunflower, tobacco) (Funk 1993; Ritchie 1980). Settlement types for these periods include large and small camps. It was not until the Late Woodland period (A.D. 800-1300) and continuing into the Iroquois period (A.D. 1300-1550) that permanent villages, along with camps, became the dominant settlement pattern. In addition, at this time, maize, beans and squash horticulture, supplemented by the native cultigens, was added to the previous subsistence practices of hunting, fishing and gathering.

The major published sources on New York prehistory and the Oneida and Onondaga Iroquois (Beauchamp 1900, Parker 1920, Ritchie 1980, Ritchie and Funk 1973, Pratt 1976, Tuck 1971 and Snow 1995) do not list any sites within, or near, the project area. However site distributions within surrounding areas in Madison and Oneida Counties suggest fairly dense occupations adjacent to the Oneida River and the waterways that flow through the counties, including Oneida Creek.

A site files search at the New York State Museum/Office of Parks, Recreation, and Historic Preservation (OPR&HP) supplemented the background research conducted at the Public Archaeology Facility (Attachment C). The site files recorded eight prehistoric/contact period sites within 3.2 km (2 mi) of the project area. The sites range in size from traces of occupation to Oneida villages, with occupations being known from the Woodland through Contact periods. However, the sites are located mainly along Oneida Creek, Cowaselon Creek and small tributaries of Oneida Creek. The project area, itself, is situated approximately 600 m (2000 ft) west of Oneida Creek and no other water resources are located in close proximity to the project. The project is also located within the boundaries of the original Oneida Indian Reservation (Lehman 1943).

Considering what is known of the topographic and physiographic location of the Oneida MGP project and the known site types and settings, we can expect that small, dispersed resource processing locations associated with villages along Oneida Creek may occur within the project area. However, 19th and 20th century land modifications within the project area may have erased these early traces in that portion of the project.

Results of Documentary Research: HISTORY

The City of Oneida was originally part of the Town of Sullivan, and was part of property that became the Town of Lenox in 1809. In 1896, the Town of Lenox was split into three towns: Lenox, Lincoln and Oneida (Smith 1899). Settlement began in the Town of Sullivan/Lenox in 1792, with the arrival of settlers, the Klock family and others, at the site of Clockville, approximately 10 km (6 mi) to the southwest of the project area. Much of the location of the City of Oneida was originally a vast hemlock swamp (Abbott 1943). In 1817, the Erie Canal was built and the Oneida feeder took water from Oneida creek to maintain the water level of the canal. The canal and its feeder, as well as the Cowaselon feeder, aided in draining the swamp.

In 1829 and 1830, Sands Higginbotham, a merchant from the Town of Vernon, purchased a considerable amount of property from individuals and from the state. In 1834, he built a residence and moved to Oneida. A few log cabins and homes were built there, mainly by German and Irish immigrants (Abbott 1943). In 1837, the Syracuse and Utica Railroad Company located their railroad across his farm and made a station there - "Oneida Depot". Higginbotham gave his land to the railroad in return for their agreement to stop every train there for meals. The railroad used wood for fuel and the wood in the swamp was cut and stacked for their use, thus clearing the land in the vicinity of the region. In 1839, Higginbotham constructed a hotel there, the Railroad house. He then proceeded to sell lands to settlers on such terms to attract residents and develop the place. The railroad provided faster transportation for products (especially agricultural products and lumber). In addition, the canal feeder was plied, thus allowing cheap transportation to Albany and other points.

The canals and railroad not only brought in laborers, but factories and centers of commerce also developed because of these transportation facilities (Whitnall 1943). Through the mid 19th century, Oneida was still considered a village and consisted primarily of small industries (centered around lumbering and sash/blind factories) (Whitney 1872). However, by the late 19th century, manufacturing became prevalent within the community. Important industries such as the National Casket Company, the Oneida Iron Works, the Westcott Chuck (wedges) Company, the Oneida National Chuck Company, and the Oneida Silver Manufacturing Company and many smaller establishments contributed materially to the growth and activity of the city (Smith 1899).

The City of Oneida has continued to grow, although industries have faded since the mid 20th century. Much of Oneida now centers around smaller industries and commercial businesses within the community.

The historic maps document continual use of the property from as early as the mid 19th century through the mid 20th century. In 1853 (Attachment D.1), there was a shop (possibly a sawmill shop) (MDS A) within the project boundaries. Between 1859 and 1875, two other structures were constructed on the property (MDS B). MDS A was not labeled in 1859 or 1875 as to its use, while the two other structures (MDS B) were noted as Gas Works (Attachment D.3). One of the Gas Works structures was a commercial building, while the second structure was circular, suggesting that it was used for gas storage. The 1890 Sanborn fire insurance map (Attachment D.4) is much more detailed and reveals that the 1853 structure (2 story brick) was being used in 1890 as a blacksmith shop, upholstery business and contains a one story structure to its rear with a brass and iron foundry. The gas works business, known in 1890 as the Oneida Gas Works, was comprised of four different structures, with three of the structures being attached: a 1 story coal shed, a one story office and a one story building; the fourth structure was the circular gasometer building to the east of the business office. In addition, a 1 ½ story storehouse was located to the east of the Upson and Holden Carriage and Sleigh Factory and may be located within the boundaries of the current project area.

Between 1890 and 1914, the gas works buildings served a variety of commercial uses: Oneida gas works, Oneida Rubber Tire Works, and the Coles Tool and Machine Company. Although the buildings continued to be used for blacksmith and wheelright supplies and auto sales and service through 1930, the gas storage structure was removed between 1914 and 1923. Between 1895 and 1899, the 1-story foundry structure was removed and a new 1 story structure was built in its place. The 1853 structure continued to be used for a variety of commercial activities: tinshop, carriage shop, painting, the Ryan Burkhart printing, the W.S. Ryan Printing Company, a machine shop, and a bicycle shop. The structure was removed between 1930 and 1956.

Between 1930 and 1956, following the removal of the gas works buildings and the commerical building, the project area was used as a used car sales lot, with one story overhangs along the north and south ends of the lot, and a small office constructed in the middle of the lot.

The historic maps document continual use of the project area from the mid 19th century through the mid 20th century. The footprint of the structures for the gas works, as well as the southern commercial structure suggests that although there may be a high sensitivity for historic resources (i.e., foundation walls), there is a low sensitivity for resources with research potential (i.e., sheet midden, shaft features) within the project boundaries.

Documentary Summary

..... **no sites reported**
...X... **sites reported (describe briefly)**

Eight prehistoric/contact period sites are located within 3.2 km (2 mi) of the project area. The sites suggest occupation of the region from at least the Woodland to Contact periods. The sites are generally located along Oneida Creek and tributaries that flow into Oneida Creek. No known historic sites, beyond those identified as Native American contact sites, were identified within 3.2 km (2 mi) of the project area. Two MDSs, A and B, are located within the project boundaries. MDS A was a commercial building used for a wide variety of businesses and MDS B was a building complex used for a variety of commercial and industrial purposes, including a gasworks business. The site files also note that the project area may be within the viewshed of a National Register Historic District located along Main, Broad, Grove, Wilbur and Walnut Streets.

B. Field Investigation

1. Methodology

a. Description of structure for survey team (number, organization).

Dr. Nina M. Versaggi, Director of PAF and Christopher D. Hohman, Project Director with PAF, supervised this project and authored this report. Project maps were drawn by James Levandowski and all administrative work was carried out by Maria Pezutti and Annie Pisani. All field and research personnel meet or exceed the minimum qualifications for professionals in archaeology.

b. Date of survey and soil description of general and subsurface conditions (including season, ground visibility, and relative wetness of soil).

Walkover of the project area was conducted on July 17, 2000. The surface was covered by asphalt, with retaining walls being visible on the edge of the lot.

c. Outline of walkover strategy.

The project area was visually inspected by Hohman for an assessment of research potential within the project boundaries. This was accomplished by walking within and adjacent to the project boundaries.

d. Description of general project characteristics.

The nature of the topography within and adjacent to the project area, as well as the retaining walls on the north, east and south sides suggests that soils within the project area consist of fill constructed on top of a base of solid subsoil. In addition, a water drain has been constructed through the middle of the lot, suggesting that the interior of the lot has been impacted since being filled.

e. Description of intensity of coverage and rationale for excluding areas from survey. Attach a map with location and type of each excavation unit, and areas surface inspected. Any areas not surveyed should be clearly delineated.

All of the project area was observed for an assessment of research potential. The original surface underneath the fill could not be observed, although the construction of all of the 19th century structures within the project area suggest that there is little potential for remaining topsoil.

f. Description of problems encountered during survey which may have influenced results.

None

Results of Field Investigation

...X.. **no sites identified**
..... **site(s) identified**

Walkover did not identify sites within the project limits for the Oneida MGP Project.

2. Recommendations

...X... **no additional work**
..... **additional investigation**
..... **project modification to avoid sites**

Because the size of the structures' footprints within the project boundaries covered approximately 95% or more of the lot and the fact that the structures impacted the original surface, we recommend that there is little potential for any prehistoric resources remaining within the limited amount of area not covered by structures. In addition, the commercial use of much of the property and the extent of ground disturbance suggest negligible potential for historic resources with research value.

3. Rationale

a. Evaluate the effect of the proposed undertaking on identified cultural resources.

N/A

b. Describe possible precautions, protective measures or project modifications that would avoid or alleviate these impacts.

N/A

c. Identify sites and/or areas which require additional study.

None

d. Outline the nature and extent of additional investigation(s).

None

END PART 1
If site evaluation is not completed at this time, proceed to Part 3.

PART 3: SUPPORTIVE DATA

Reports should include the items listed below. Bracketed information is optional. Put a check next to each item appended.

PLEASE NOTE: Most attachments listed below often provide precise locational and compositional data on archaeological sites. This information is confidential to protect the resource from vandalism. All attachments with site specific information should be omitted from report copies which will be available to the general public.

..A.. **qualifications of the principal investigator(s)**

..B.. **topographic and soils maps with project area noted**

..C.. **site files checks (Confidential: Not for Public Release)**

..D.. **copies of relevant historic maps**

..E.. **map(s) of test locations, field inspection, and areas of cultural material; maps must have title, legend, bar scale, and directional arrow.**

..... **record of soil stratigraphy in each test unit.**

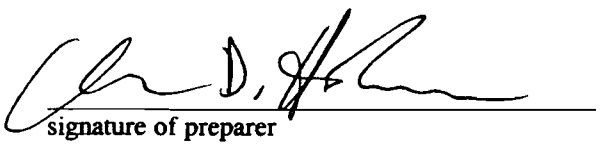
.... **artifact catalog**

..F. **photographs of the project area**

..... **OPR&HP Prehistoric Site form**

Certification: I certify that I directed the cultural resource investigation reported here, that my observations and methods are fully reported, and that this report is complete and accurate to the best of my knowledge.

8/1/00
date


signature of preparer

ATTACHMENT A:
Qualifications of the Principal Investigators

Dr. Nina M. Versaggi
Director and Principal Investigator, Public Archaeology Facility

Versaggi received her doctorate in Anthropology from SUNY-Binghamton in 1988, her MA from SUNY University at Binghamton in 1976 and her BA from Rutgers University in 1974. She has been active in professional archaeology since 1972. Professional positions held include Director of the Public Archaeology Facility since 1988, Partner in Compliance Survey Associates for 6 years, Guest Curator at the Roberson Museum and Science Center, and Post-doctoral Fellow at the Hartwick College Museums. She serves as principal investigator for all current and past projects of the Public Archaeology Facility whose recent major projects include the Rainbow Plaza Data Recovery in Niagara Falls and the state-wide highway subcontract with the New York State Museum and NYSDOT. She has authored "Hunter to Farmer: 10,000 Years of Susquehanna Valley Prehistory," "Prehistoric Hunter-Gatherer Settlement Models: Interpreting the Upper Susquehanna Valley," and "Upland Foraging Sites in the Northeast: Engendering Prehistory," which are based on NYSDOT and pipeline prehistoric data. She is a member of the board for the Preservation Association of the Southern Tier, and for the New York Archaeological Council she chairs the Professional Survey and Report Standards Committee. She serves as an Adjunct Associate Professor at Binghamton University.

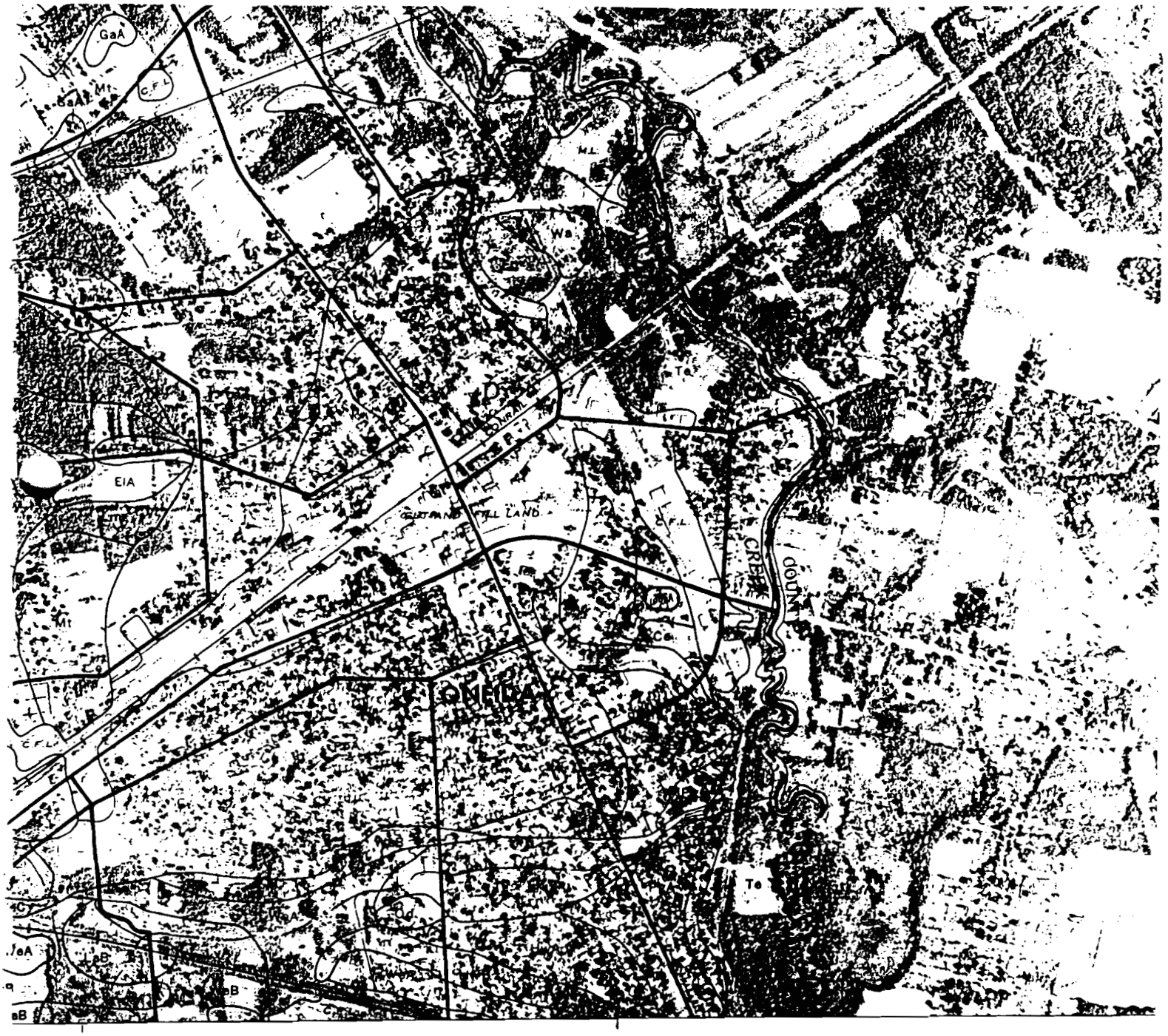
Christopher D. Hohman, RPA
Project Director and Assistant to the Director, Public Archaeology Facility

Hohman received his MA in Anthropology from the University of Connecticut in 1986 and his BA in Anthropology from the University of Rhode Island in 1983. He has worked in professional archaeology since 1983 and in 1987 joined the staff of the Public Archaeology Facility. From 1990 to 1991, Hohman served as one of the Coordinators at Garrow and Associates for the 300+ mile Iroquois Gas pipeline project in New York and Connecticut. He has served as project director on a wide range of site examinations and surveys and the Rainbow Plaza Data Recovery in Niagara Falls. His research interests include Northeast prehistory and 19th century rural and urban settlements. The author of numerous cultural resource management reports, he currently directs projects for PAF's statewide highway contract with the State Museum and other projects in New York State and Pennsylvania. Member of the Registry of Professional Archaeologists, Council for Northeast Historic Archaeology and the Archaeological Society of Connecticut.

ATTACHMENT B.1:
Topographic Map with Project Area Noted

1955 Oneida Quadrangle 7.5' Series

ATTACHMENT B.2:
Soil Map of the Project Area

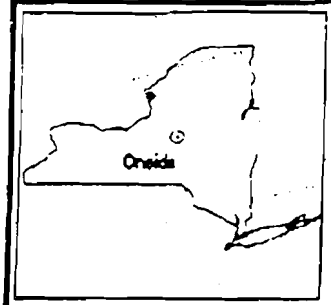


ATTACHMENT C:
Site Files Checks
(Confidential: Not for Public Release)

CONFIDENTIAL; Not for Public Release
OPRHP/NYSM Site Files
7/6/00

em 1. Archaeological Sites. Niagara Mohawk Remediation Project, Oneida, Madison County. Oneida Quadrangle.

SITE NUMBER	SITE NAME	DIST. From Project/Dist. From water	Elevation/Slope	Cultural Affiliation/Site Type	Testing/Type/Interval Artifacts	Report
1) historic Native American NYSM 3801	ACP MDSN-19	General area 3.2 km (2 mi) W / vicinity of Cowaselon Creek	131 m (430 ft) amsl; flat to gentle slope	Historic Oneida village	No information	Parker 1920
2) prehistoric NYSM 4115	ACP ONID-7	General area 2.4 km (1.5 mi) N / vicinity of Oneida Creek	"	Unidentified prehistoric Village	"	"
3) historic Native American? NYSM 4118	ACP ONID-10	General area 0.5 km (0.3 mi) S / vicinity of Oneida Creek	134 m (440 ft) amsl; flat to gentle slope	Historic Native American? Cemetery	"	"
4) prehistoric NYSM 4116	ACP ONID-8	General area 1.9 km (1.2 mi) SE onto Vernon Quad / vicinity of Oneida Creek	137 m (450 ft) amsl; flat to gentle slope	Unidentified prehistoric Burial	"	"
5) historic & historic NA NYSM 4117	ACP ONID-9A, B, C & D; Indian Church Site	General area 2.4 km (1.5 mi) SE / vicnity of Oneida Creek	"	Fort and block house (probably built under Wm. Johnson's direction, 1756) and village, church and cemetery (Native Americans)	"	"
6) historic NA NYSM 3802	Canowaraghere; Kanoalohaleo; Oneida Castle	General area 2.3 km (1.4 mi) SE / vicinity Oneida Creek, swamp	"	Historic Native American, 1762 Oneida village	"	"
7) prehistoric NYSM 7466	ACP MDSN	Lg area begins 2.7 km (1.7 mi) S / vicinity of trib of Oneida Creek	152-183 m (500-600 ft) amsl; gentle to moderate slope	Unidentified prehistoric Traces of occupation	"	"
8) prehistoic NYSM 3831	ACP MDSN	Lg area begins 2.4 km (1.5 mi) S / vicinity of tributary of Oneida Creek	152-213 m (500-700 ft) amsl; gentle to moderate slope	"	"	"



NEW YORK QUADRANGLE LOCATION

LATITUDE: N 43° 06' 27"
LONGITUDE: W 75° 39' 08"

SOURCE: U.S.G.S. 7.5 MINUTE SERIES TOPOGRAPHIC MAP, ONEIDA, NEW YORK (1953) SW/4 ONEIDA 15' QUADRANGLE

2000' 0 2000'

Approximate Scale in Feet

FIGURE 1.1

NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION
SYRACUSE, NEW YORK

SITE LOCATION MAP

~~ONEIDA SCONONDOA STREET~~
143 CEDAR STREET, City Oneida, Madison Co.

PARSONS ENGINEERING SCIENCE, INC.

DESIGN • RESEARCH • PLANNING

CONFIDENTIAL; Not for Public Release
OFFICE OF PARKS, RECREATION AND HISTORIC PRESERVATION
Field Services Bureau Files Search

DATE: 7/6/00
CONDUCTED BY: B. Ross

Project: Niagara Mohawk Remediation, 143 Cedar Street
Minor Civil Division: city of Oneida (05340)
County: Madison
USGS Quadrangle: Oneida

1. Archaeological Sites (within 3.2 km/ 2 mi radius):

Refer to attached table.

2. Surveys and Reports within immediate or adjacent MCDs: (all; with possible exception of Stage IA):

OPR Report #3. *Stage IB Cultural Resource Survey for Proposed Oneida Wastewater Facilities, City of Oneida and Town of Lenox, Madison County, C-36-655,* Pratt & Pratt, 5/76 for EPA. One prehistoric site; A05309.000005 and three with historic and prehistoric components; A05309.000003, 4 & 6 (all beyond 3.2 km from current project area). And a Stage IB Addendum, 1/77; no sites.

OPR Report #10. *Cultural Resource Literature Search and Site Inventory for Oswego Basin,* (multiple counties), Deborah Swartz, 10/80 for CORPS.

OPR Report #38, 90PR1490. *Stage IA/B Cultural Resource Survey for Oneida City Hospital Nursing Home,* Pratt and Pratt, 10/90 for HUD. No sites.

OPR Report #41, 92PR2253. *Stage IA/B Archaeological Survey for Oneida Indian Nation Housing Phase I, City of Oneida,* PAF, 11/92 for HUD. Two sites within 20 acres. Historic; A05340.000388 and prehistoric; A05340.000587 – both beyond 3.2 km from current project area. AND Stage II for SUBi-1405, A05340.000587, 3/93; 51 sq ft.

OPR Report #43, 93PR1307. *Stage IA/B Cultural Resource Survey for Oneida Nation Sewer Project, Part II, Town of Oneida,* PAF, 6/93 for EPA. No sites within two acres surveyed.

OPR Report #47, 95PR0427. *Stage IA/B Cultural Resource Survey for Retail Establishment Site, City of Oneida,* Pratt and Pratt, 1/95 for SEQRA. No sites within 33 acres surveyed.

OPR Report #53, 97PR2466. *Cultural Resource Survey for Hartman Enterprises, Inc., 455 Elizabeth Street, City of Oneida,* Hartgen Archaeological Services, 4/98 for SEQRA. No sites within 2.1 acres surveyed.

3. NR Listed and NR Eligible Properties within, adjacent or within view shed of project area:

No NR eligible or listed properties within, adjacent or within view shed. There is a NRL historic district including many buildings on Main, Broad, Grove Streets as well as Wilbur and Walnut and several other individually eligible residences and commercial structures.

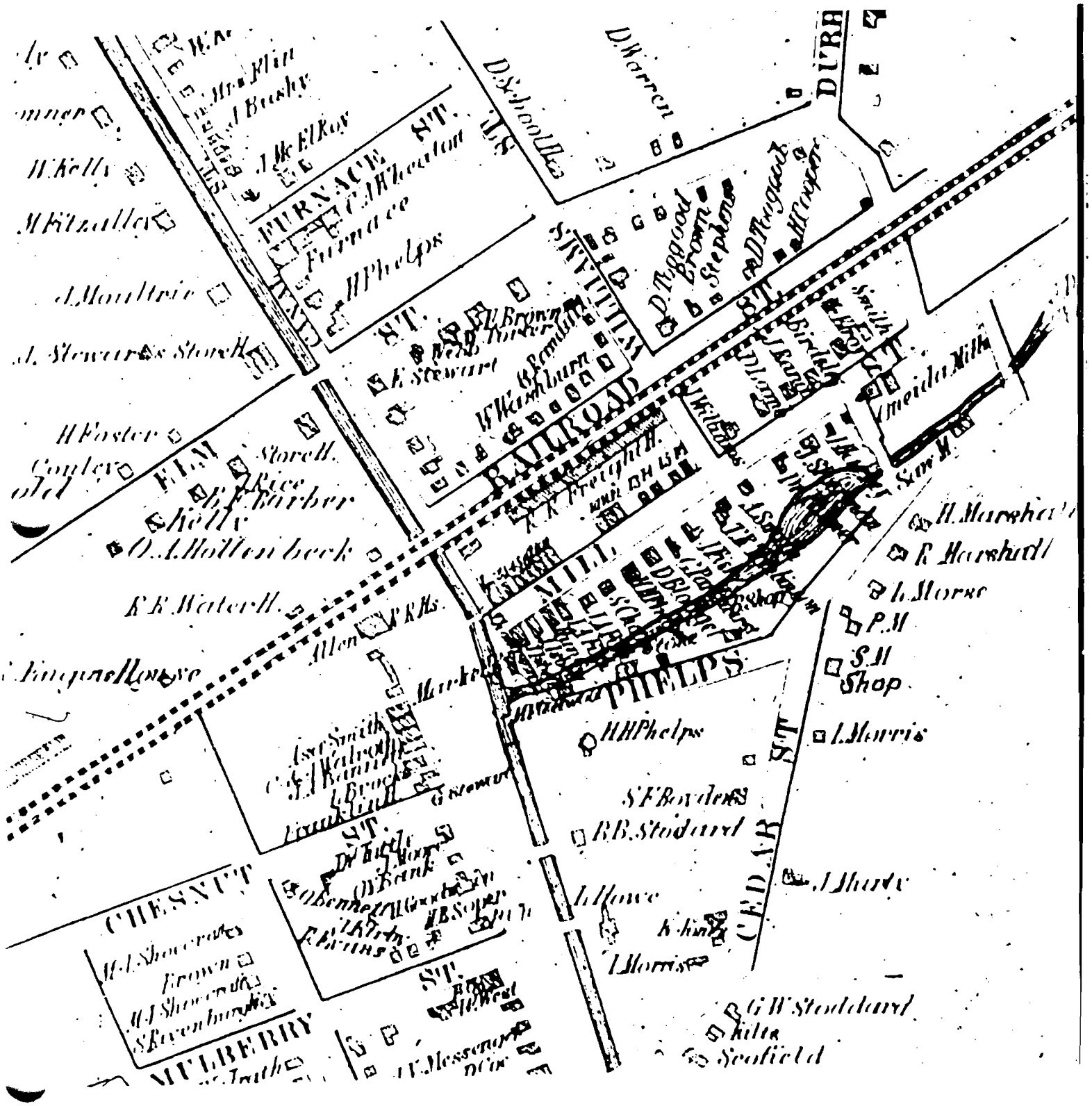
4. Inventoried Structures within, adjacent or within view shed of project area:

05340.000372, 232 Cedar Street; Cedar House-Fiore Building Apartments

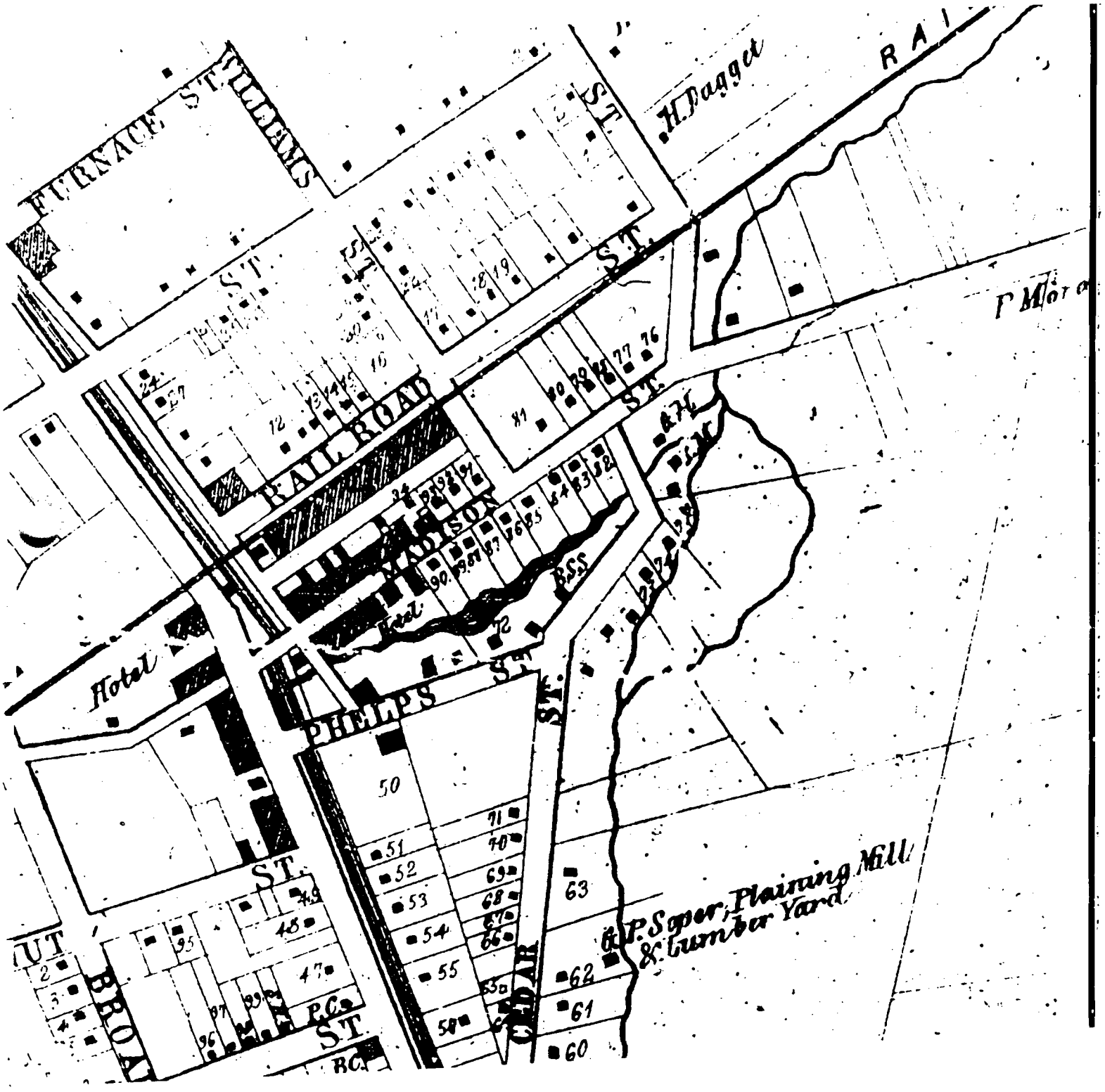
ATTACHMENT D: Historic Maps for the Project Area.

D.1: 1853 Evans
D.2: 1859 French
D.3: 1875 Beers
D.4: 1890 Sanborn
D.5: 1895 Sanborn
D.6: 1899 Sanborn
D.7: 1904 Sanborn
D.8: 1909 Sanborn
D.9: 1914 Sanborn
D.10: 1923 Sanborn
D.11: 1930 Sanborn
D.12: 1930/1956 Sanborn

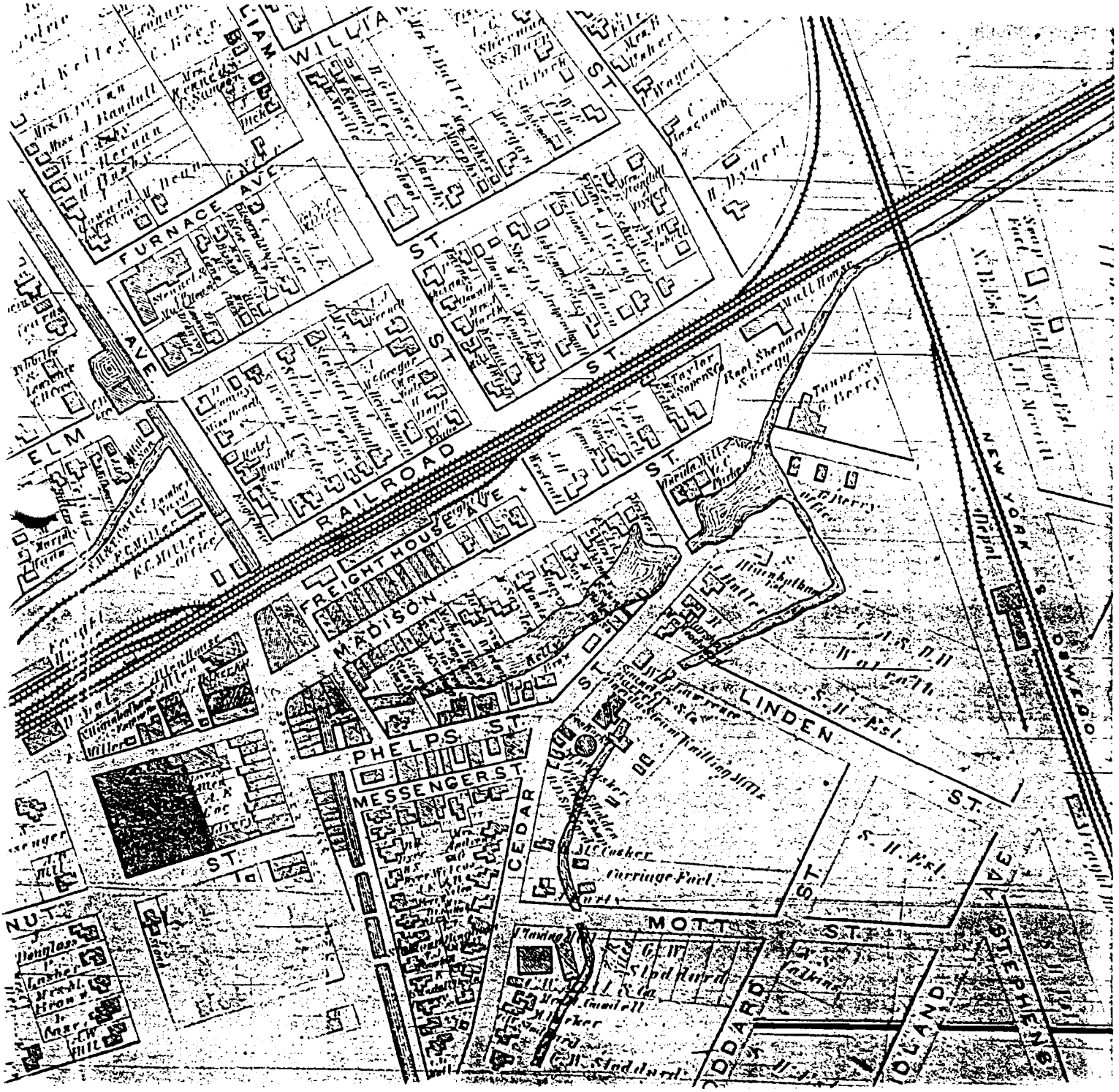
D.1: 1853 Evans Map, with project area highlighted



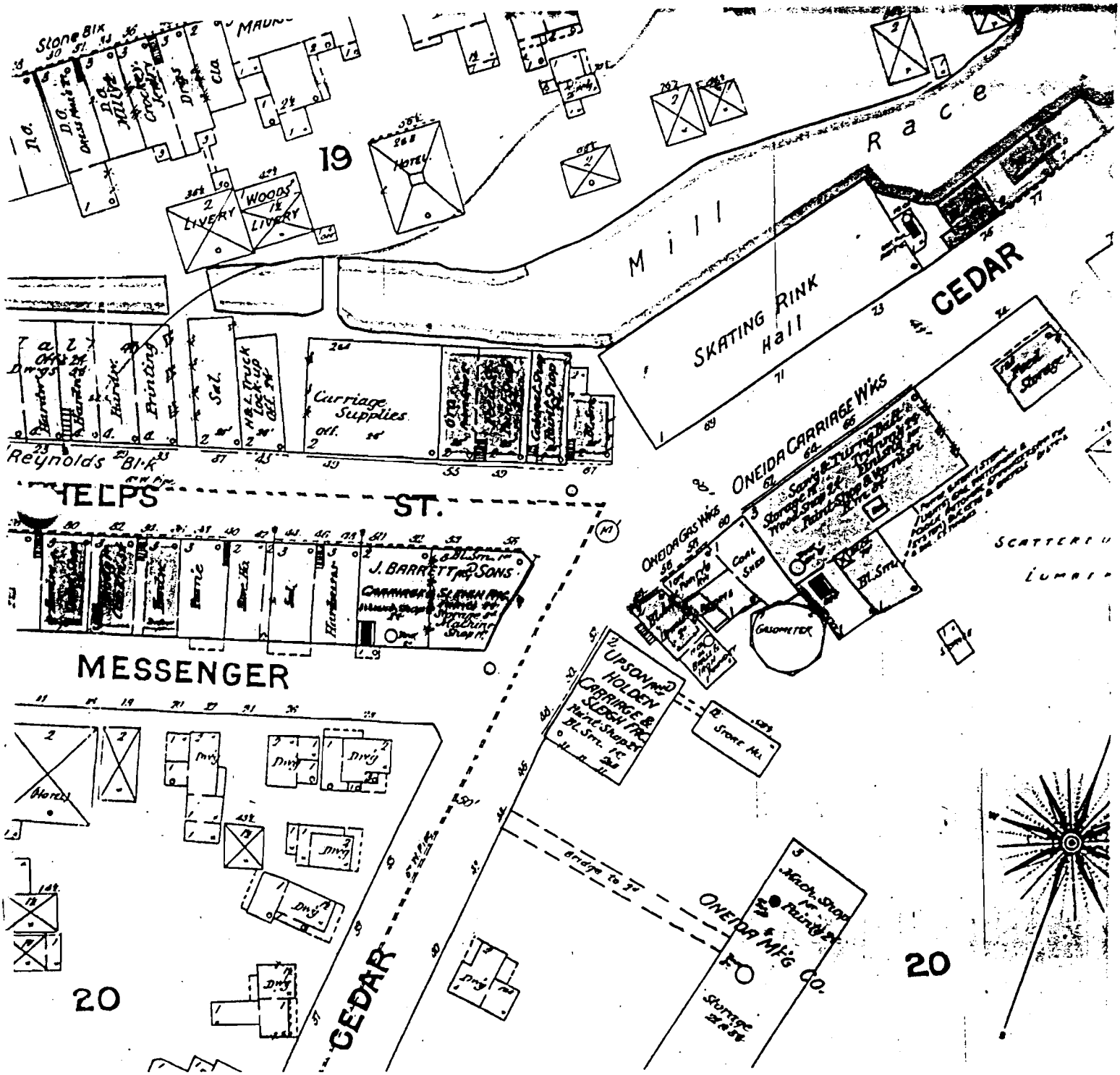
D.2: 1859 French Map, with project area highlighted



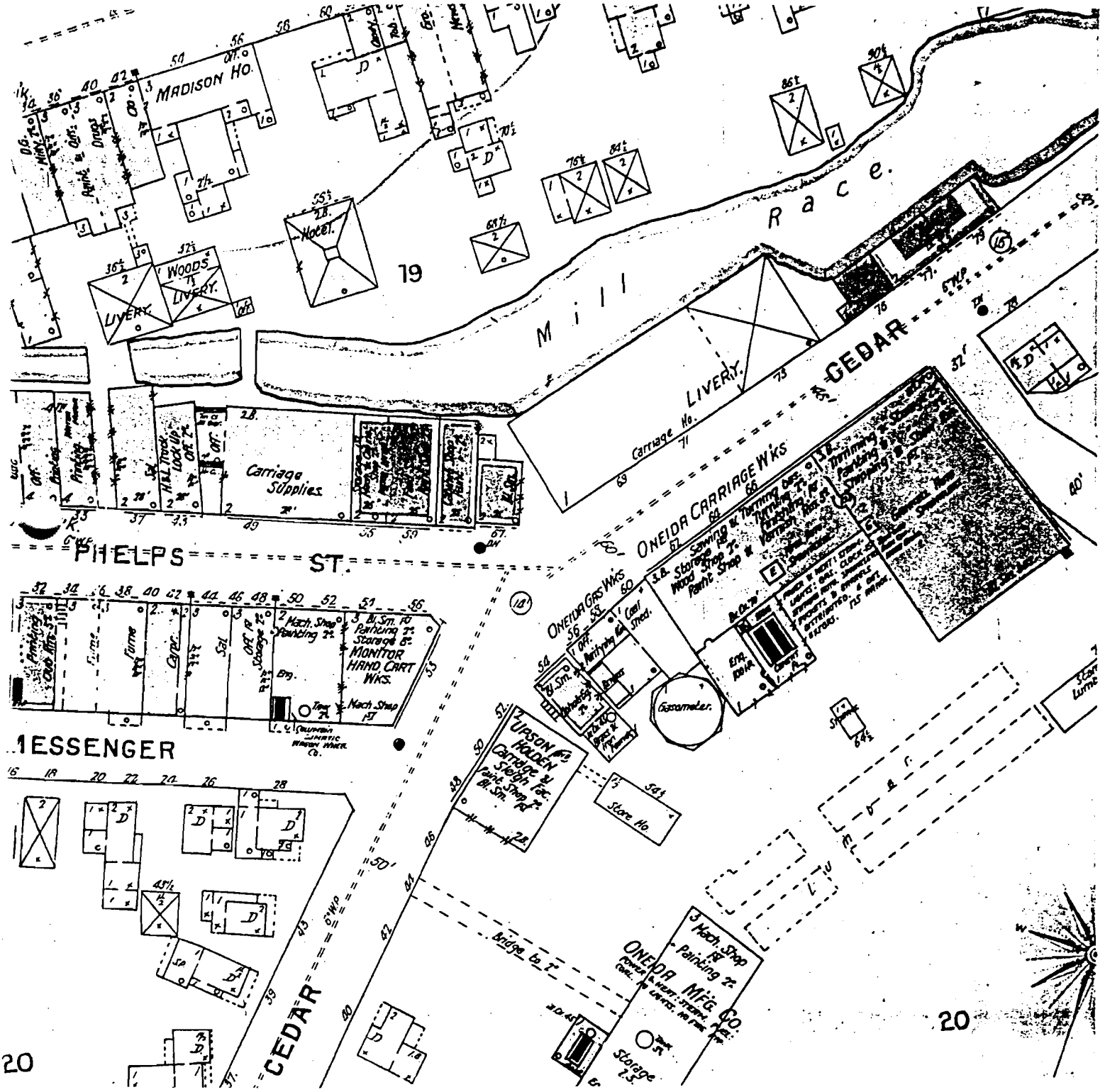
D.3: 1875 Beers Map, with project area highlighted



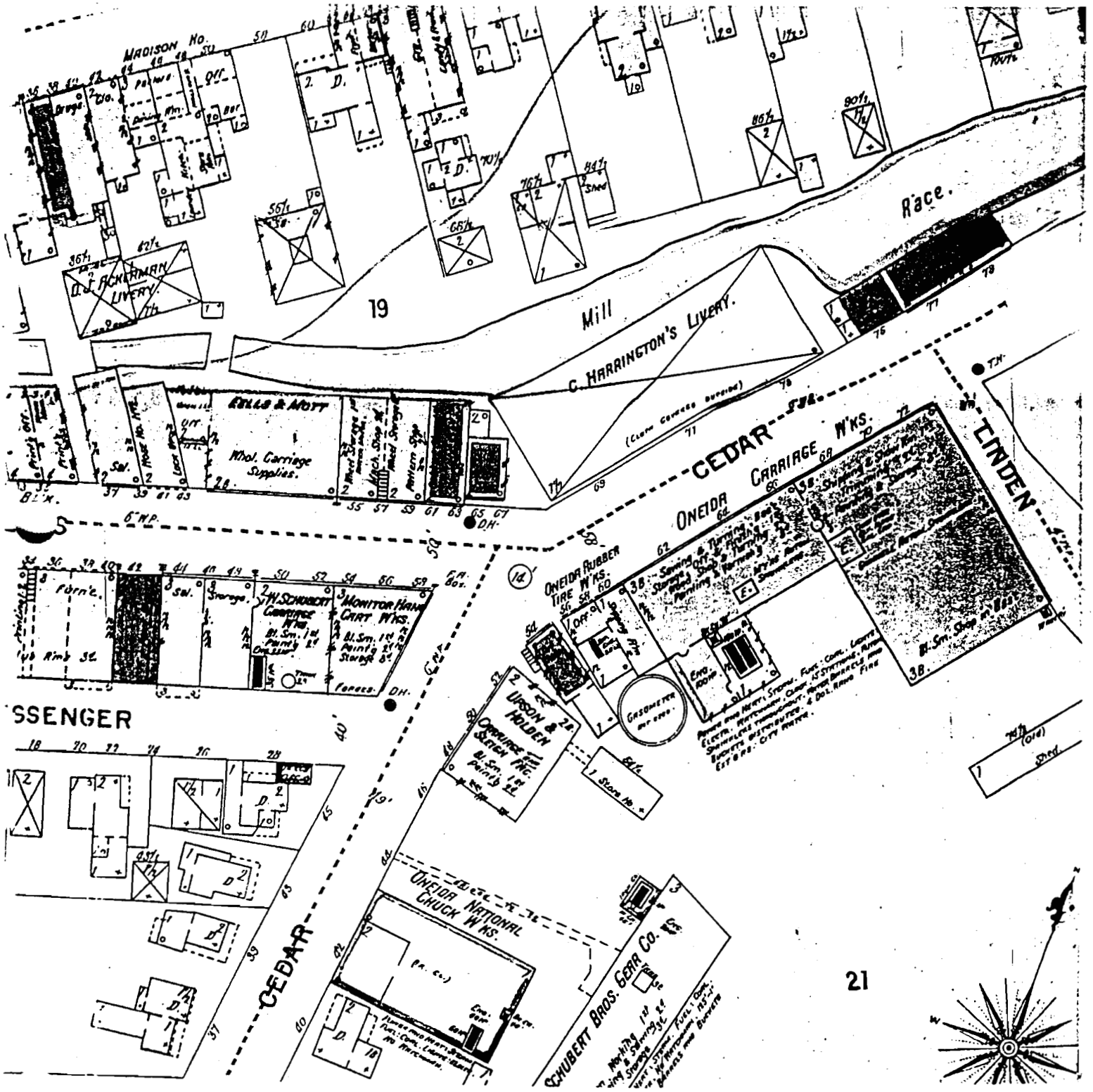
D.4: 1890 Sanborn map, with project area highlighted



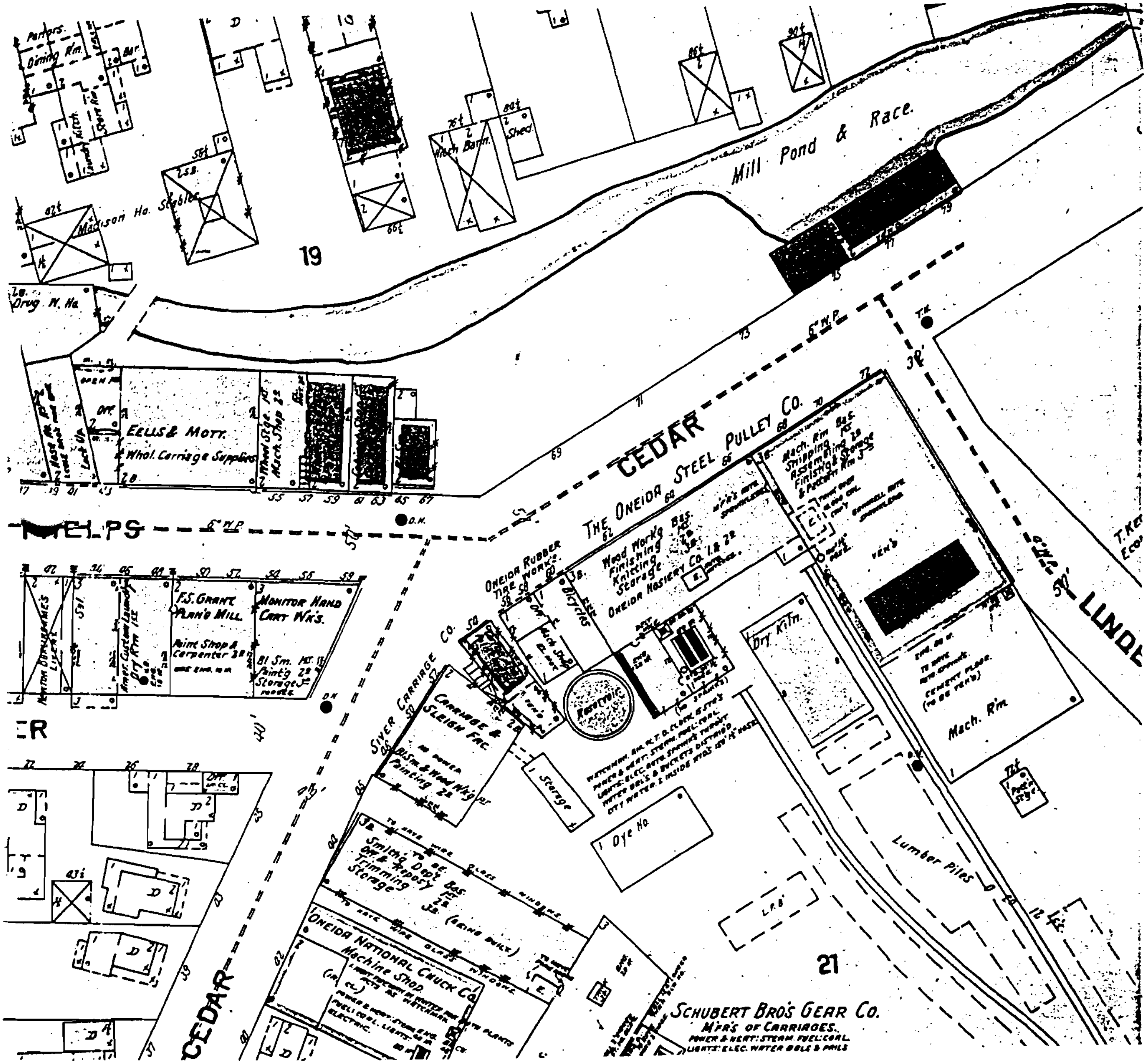
D.5: 1895 Sanborn map, with project area highlighted



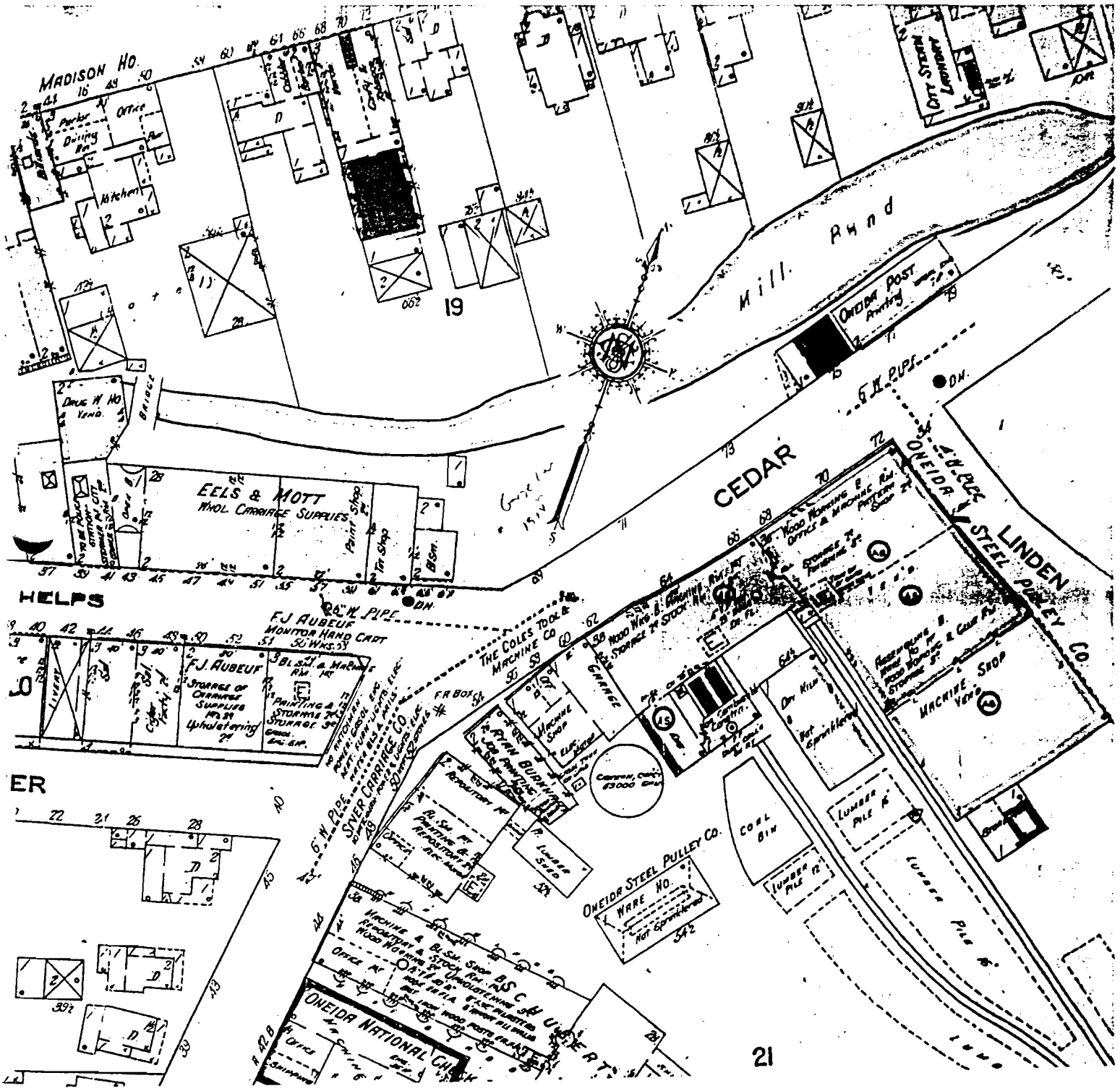
D.6: 1899 Sanborn map, with project area highlighted



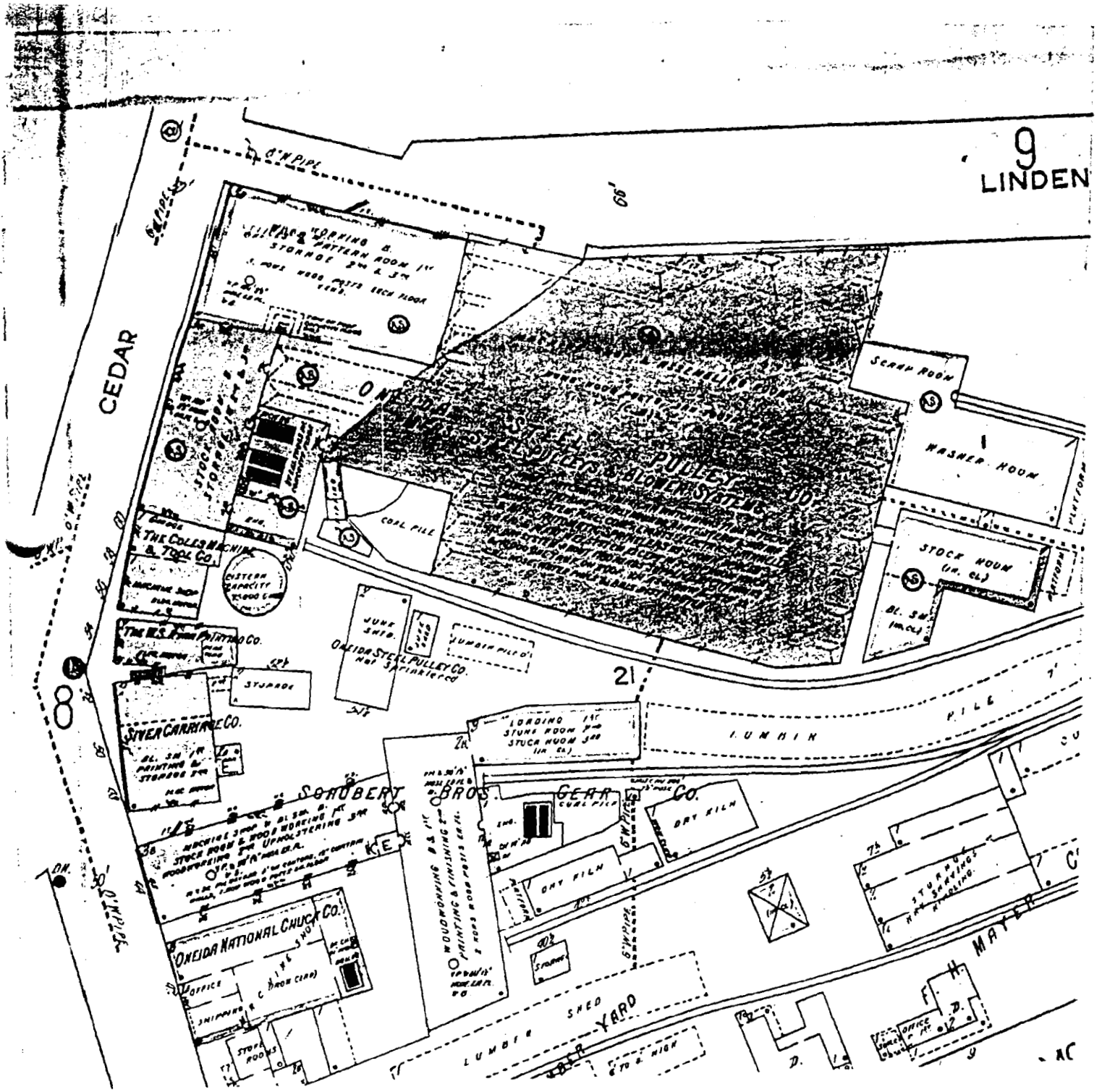
D.7: 1904 Sanborn map, with project area highlighted



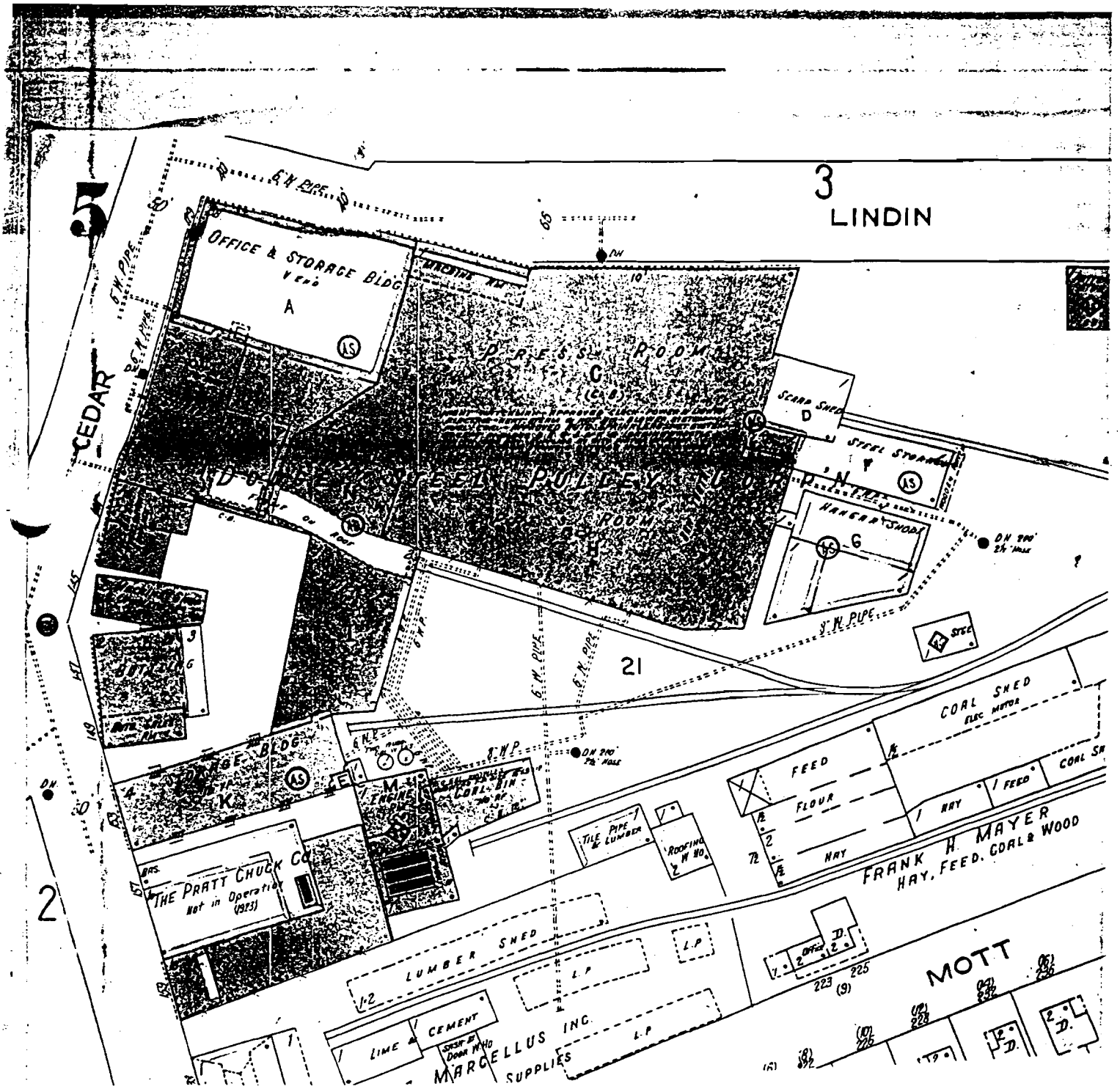
D.8: 1909 Sanborn map, with project area highlighted



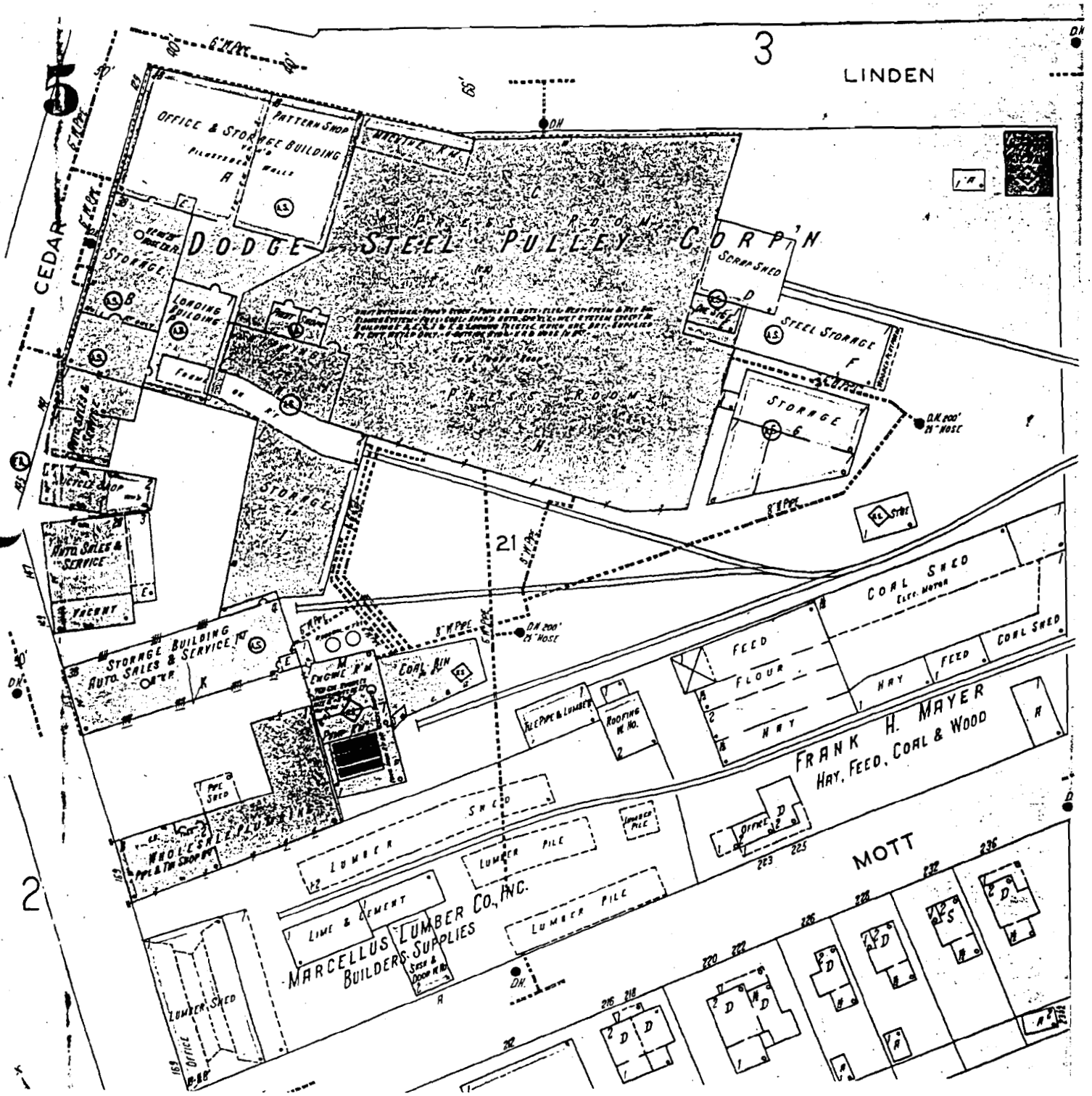
D.9: 1914 Sanborn map, with project area highlighted



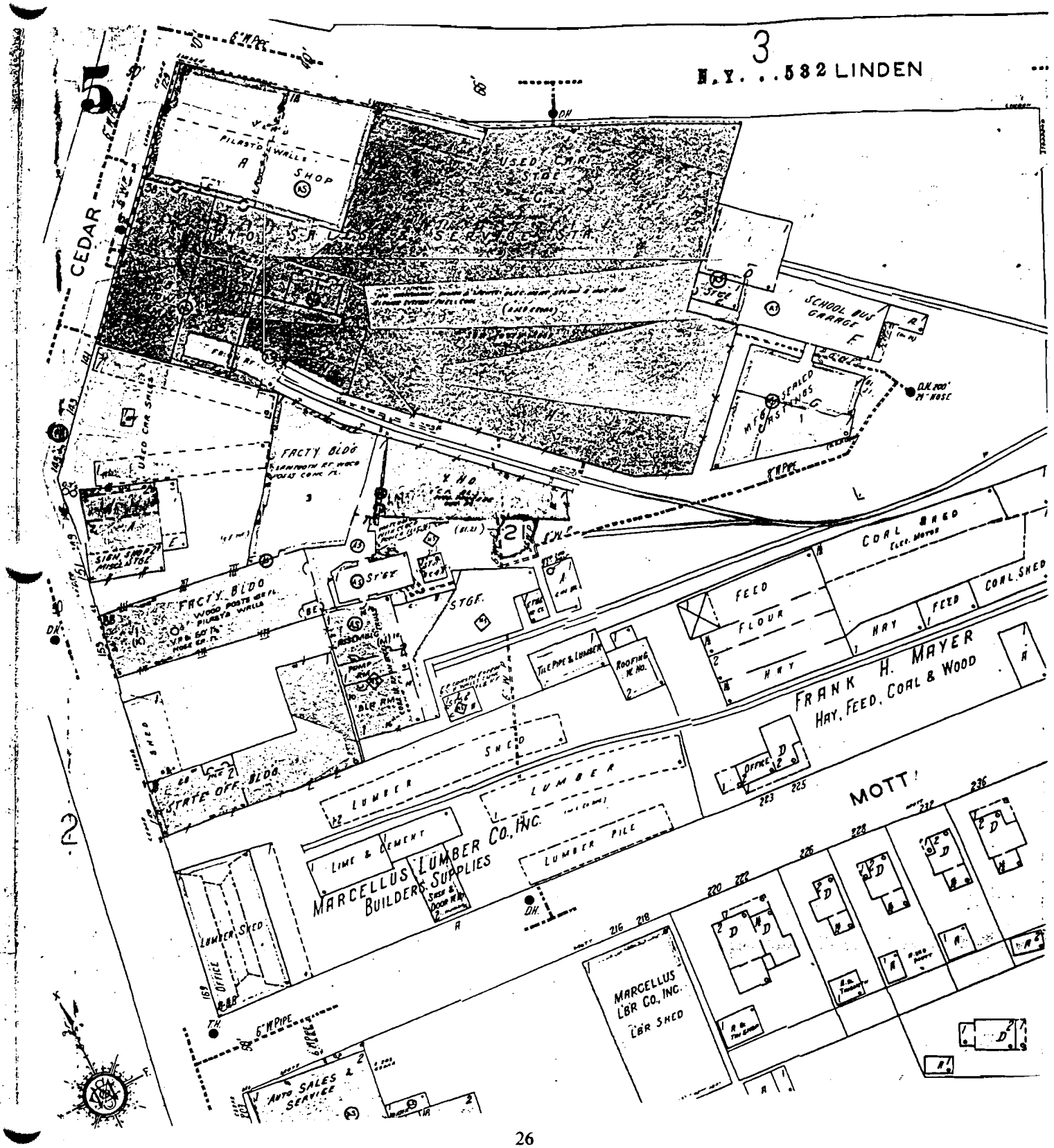
D.10: 1923 Sanborn map, with project area highlighted



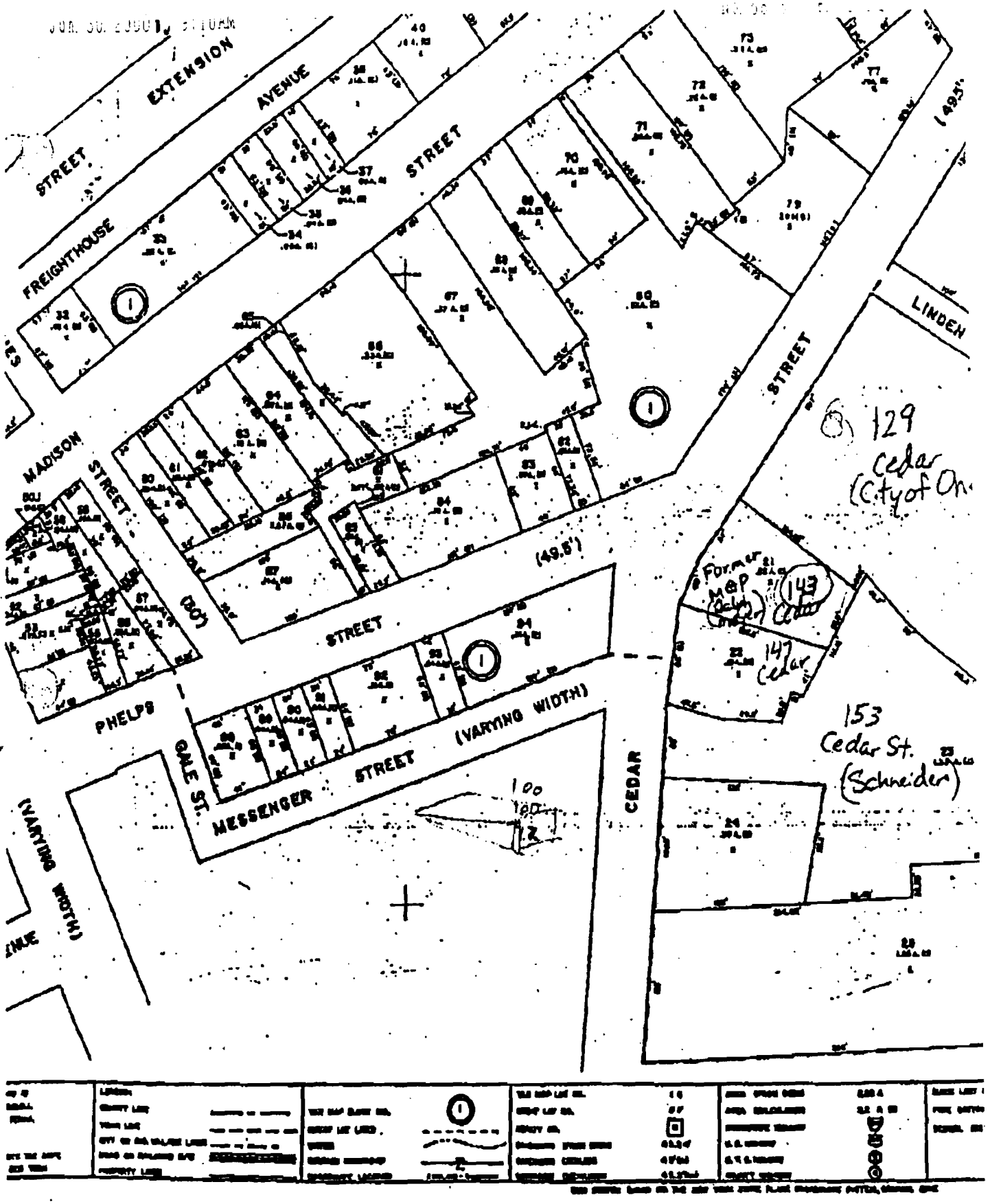
D.11: 1930 Sanborn map, with project area highlighted



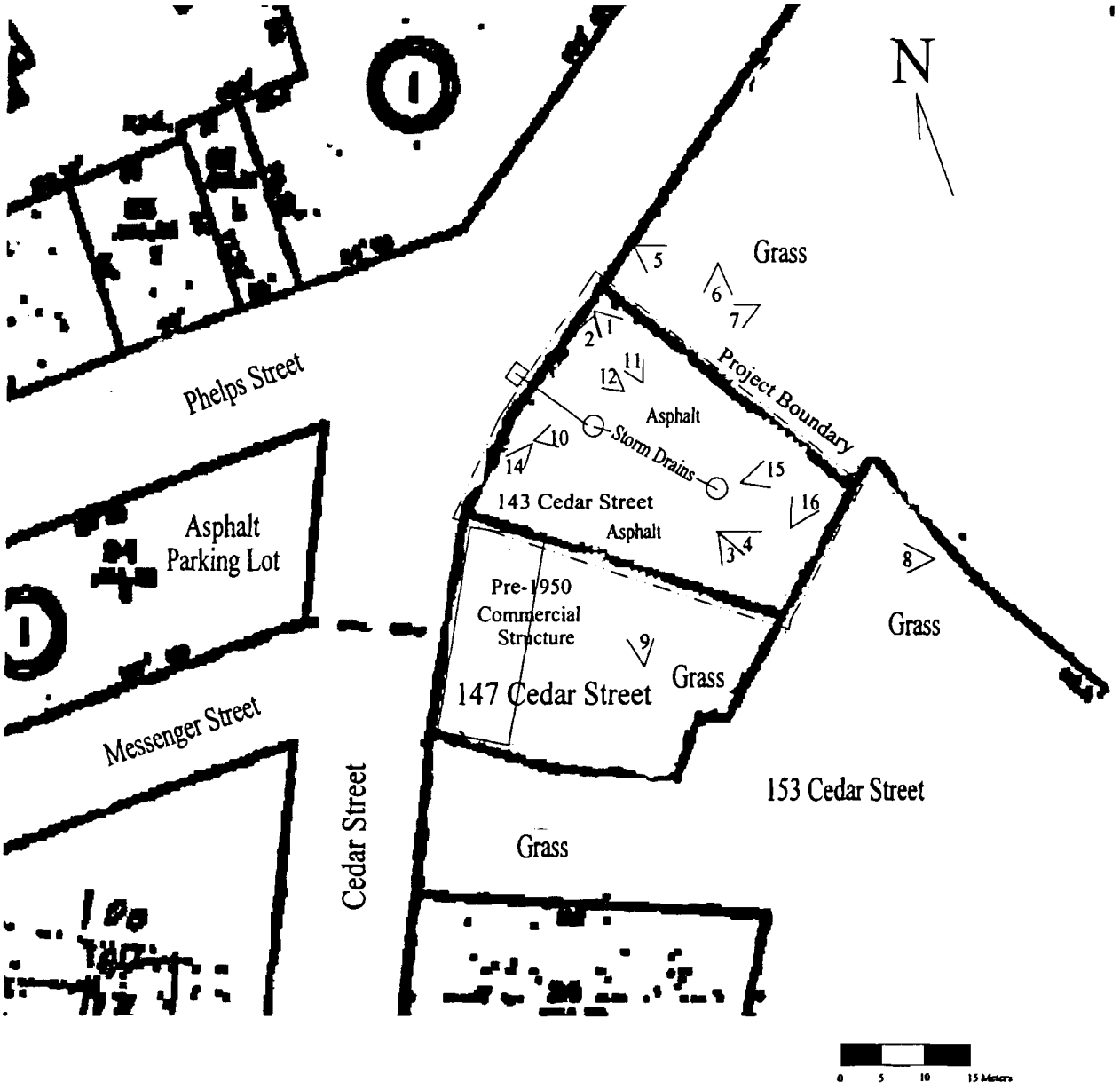
D.12: 1930/1956 Sanborn map, with project area highlighted



ATTACHMENT E:
Map of the project area showing testing locations and results



City of Oneida Bond Act Application



Stage 1A Cultural Resource Assessment
OneidaMGP Project (143 Cedar St.)
City of Oneida, Madison County, NY

ATTACHMENT F:
PROJECT AREA
PHOTOGRAPHS

Photo 1. Facing east, asphalt paving on Oneida MGP project area.

Photo 2. Facing south, asphalt paving on Oneida MGP project area with reconstructed 19th century structure (147 Cedar Street) to south.

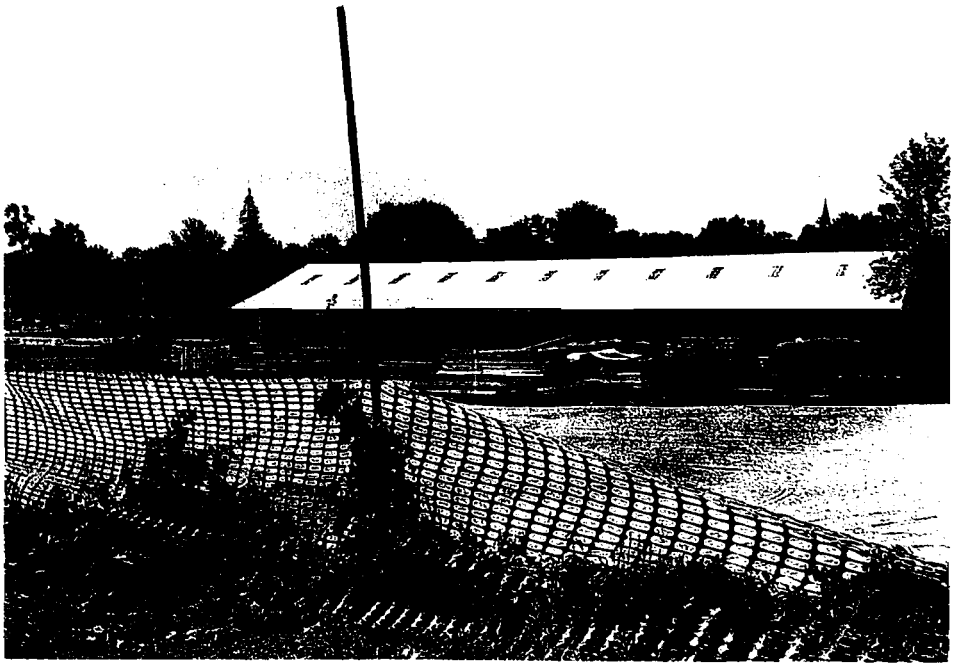


Photo 3. Facing southeast, Oneida MGP project area above surrounding terrain to southeast.

Photo 4. Facing east, Oneida MGP project area above surrounding terrain to east.

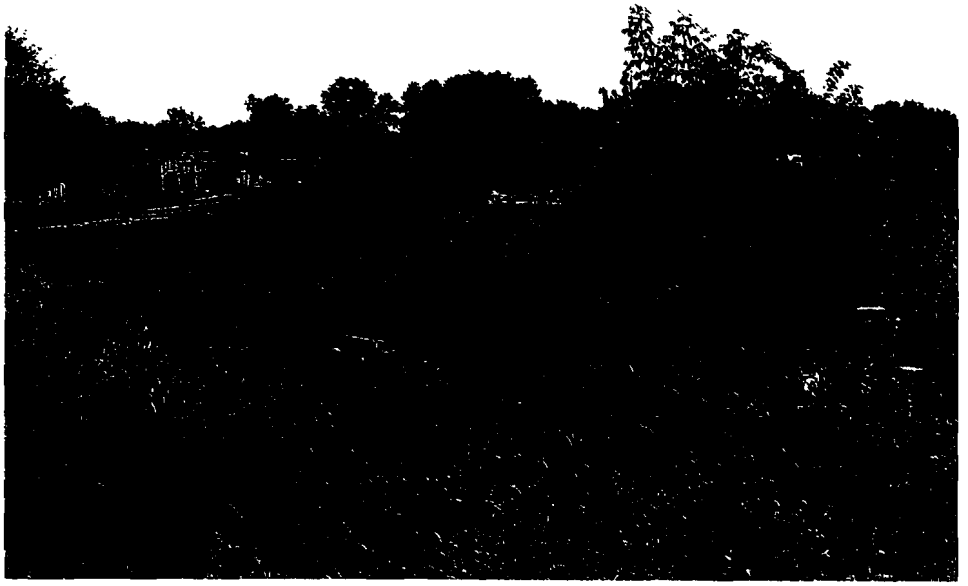


Photo 5. Facing northeast, Oneida MGP project area above surrounding terrain to northeast.

Photo 6. Facing southeast, fieldstone and concrete retaining wall on north side of project area.

Photo 7. Facing southwest, fieldstone and concrete retaining wall on north side of project area.

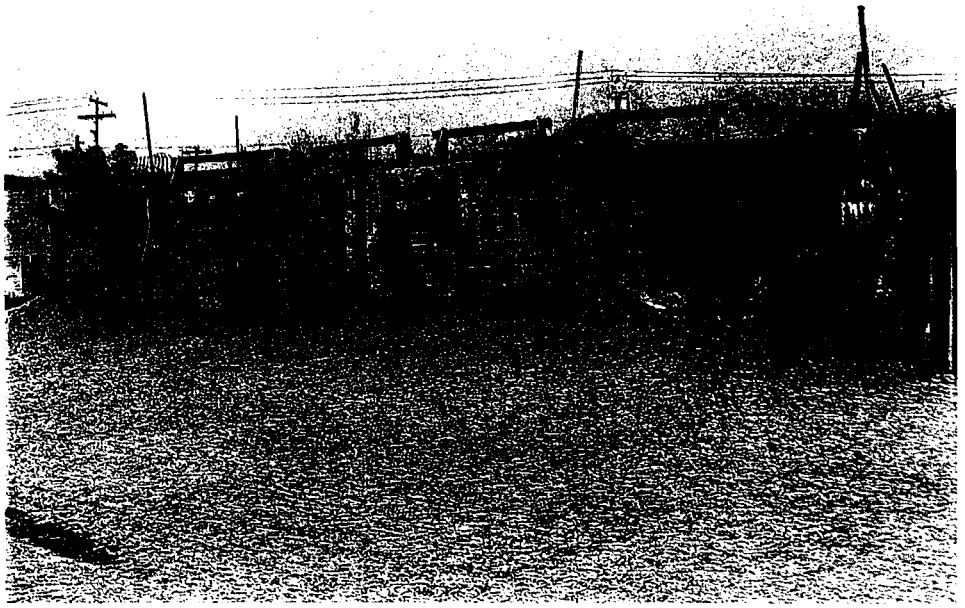


Photo 8. Facing east, concrete retaining wall on east side of project area.

Photo 9. Facing northwest, concrete and fieldstone retaining wall on south side of project area.

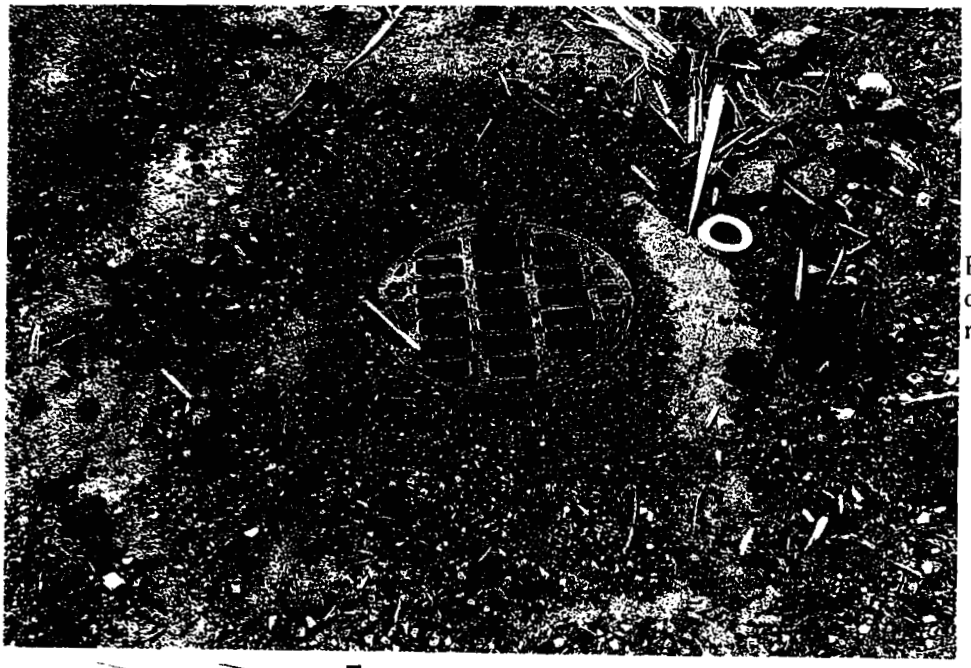


Photo 10. Facing east, storm drain system located in middle of Oneida MGP lot.

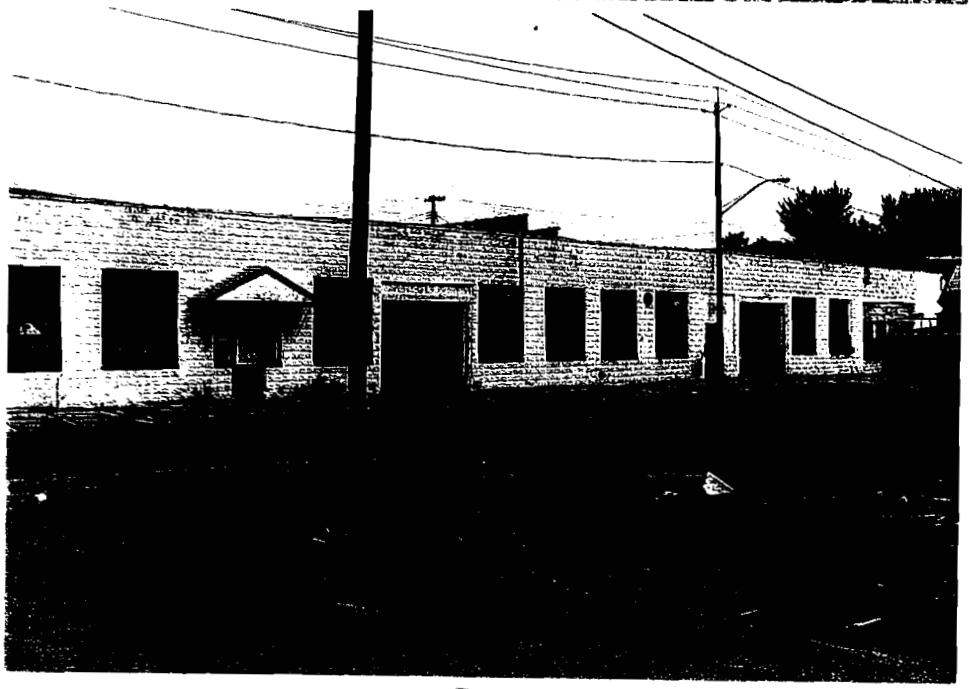


Photo 11. Facing northwest, structures along Cedar Street.

Photo 12. Facing northwest, structures at intersection of Cedar Street and Messenger Street.

Photo 13. Facing west, structures along Messenger Street.

Photo 14. Facing west, parking lot at intersection of Messenger Street and Cedar Street.

Photo 15. Facing northeast, structures along Linden Street.

Photo 16. Facing north, view of structures along Linden Street from project area.

Attachment 3

Subsurface Soil Information

Date Start/Finish: 7/18/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8.25-inch OD
Auger Size: 4.25-inch ID
Rig Type: BK-81
Sampling Method: 2-inch split-spoons (SS)

Northing: 4931.7312
Easting: 5005.7304
Casing Elevation:

Borehole Depth: 22 ft. bgs
Surface Elevation: 436.3 ft. AMSL

Geologist: Michael K. Cobb

Well/Boring ID: SB-1
Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	0.5	4 6 4 5	10	0.4			Asphalt cover, 0-0.2' bgs. Brown SILT and fine SAND, trace Brick fragments, moist.	Fill	
	2	SS	1.2	2 9 19 9	28	109.			Fine to medium SAND and brown SILT, fragments of Brick and Glass. Timbers, black staining, slight odor, moist, Wood appears to be treated.		
-5 / 430	3	SS	1.5	9 5 4 3	9	8.0			Medium red-brown fine SAND, moist.	Silt and Sand	
	4	SS	1.7	3 3 4 5	7	20.7			Medium red-brown SILT and fine SAND.		
	5	SS	1.8	5 5 6 6	11	22.9			Medium red-brown fine SAND, little Silt. Medium red-brown fine to medium SAND, moist to wet.		Borehole tremie-grouted to grade with cement/ bentonite slurry.
-10 / 425	6	SS	1.3	2 4 5 4	9	27.6			Medium red-brown Silty fine SAND, moist to wet.		
	7	SS	1.5	6 5 5 9	10	3.3			Medium red-brown fine SAND, wet.		
-15	8	SS	2.0	6 16 20 21	36	6.0			Medium red-brown Silty very fine SAND, medium stiff, moist to wet.		

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File: sb-1.dat

Client:
Niagara Mohawk Power Corporation

Site Location:
141 Cedar Street
Oneida, New York

Well/Boring ID: SB-1

Borehole Depth: 22 ft. bgs

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
420	9	SS	2.0	21 12 12 13 14	25	4.7			Medium red-brown SILT and fine SAND, medium stiff, moist to wet.	Silt and Sand	Borehole tremie-grouted to grade with cement/ bentonite slurry.
	10	SS	1.8	6 10 10 11	20	0.2					
20											
415	11	SS	2.0	9 10 9 8	19	2.7					
25											
410											
30											
405											
35											

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56
Date: 2/28/01

Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Data File: sb-1.dat

Date Start/Finish: 7/19/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8.25-inch OD
Auger Size: 4.25-inch ID
Rig Type: BK-81
Sampling Method: 2 and 3-inch split-spoons (SS)

Northing: 4890.4515
Easting: 5069.3875
Casing Elevation:

Borehole Depth: 23 ft. bgs
Surface Elevation: 435.6 ft. AMSL

Geologist: Michael K. Cobb

Well/Boring ID: SB-2

DRAFT

Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	1.0	4, 10, 11, 9	21	2.8			Surface: broken Concrete and Cement. Medium brown fine to coarse SAND and GRAVEL, with Concrete fragments, little Silt, moist.	Fill	
	2	SS	1.3	11, 9, 7, 7	16	1.8			Medium brown to black SILT, some fine to coarse Sand and Gravel-sized Concrete fragments, moist.		
5 / 430	3	SS	1.2	4, 5, 5, 5	10	4.3			Medium red-brown SILT, some fine to medium Gravel, with Concrete fragments, little Clay, moist. Becoming moist to wet, 6 to 8' bgs.		
	4	SS	1.5	4, 6, 3, 3	9	4.4					Borehole tremie-grouted to grade with cement/ bentonite slurry.
	5	SS	0.9	3, 4, 4, 4	8	5.2			Brown-black fine to coarse SAND, little Silt and Gravel, with Brick and Cinder fragments, possible black staining, moist to wet.		
10 / 425	6	SS	0.9	3, 4, 6, 4	10	1.5	X				
	7	SS	0.3	8, 13, 27, 33	40	1.3			Red-brown fine to medium GRAVEL, little Silt and fine to coarse Sand, wet. (FILL)		
15 / 420	8	SS	1.2	27, 23, ref, --	NA	4.2			Gray broken COBBLES, little fine to medium Gravel and medium Sand, wet. Little black staining, odor in spoon tip. Spoon refusal at 15.3' bgs. (FILL)		
									Augered without sampling.		

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File:sb-2.dat

Client:
Niagara Mohawk Power Corporation

Site Location:
141 Cedar Street
Oneida, New York

Well/Boring ID: SB-2

Borehole Depth: 23 ft. bgs

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
				--					Augered without sampling.		
	9	SS	0.3	NA ref	NA	64.2			CINDERS, little black tar-like liquid, very viscous, little sheen. Spoon refusal at 17' bgs in coarse fill.	Fill	
	NA	Aug	NA	NA NA NA NA	NA	NA			Augered without sampling.		Borehole tremie-grouted to grade with cement/ bentonite slurry.
20 415	10	SS	0.6	2 1 2 2	3	125			Brown-black PEAT, moist.	Peat	
	11	SS	1.2	3 4 4 5	8	89.7			Dark brown Peaty SILT, little black staining. Red-brown fine Silty SAND.	Silty Sand	
25 410											
30 405											
35 400											

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File:sb-2.dat

Date Start/Finish: 7/19/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8.25-inch OD
Auger Size: 4.25-inch ID
Rig Type: BK-81
Sampling Method: 2 and 3-inch split-spoons (SS)

Northing: 4911.5908
Easting: 5081.3621
Casing Elevation:

Borehole Depth: 16 ft. bgs
Surface Elevation: 435.7 ft. AMSL

Geologist: Michael K. Cobb

Well/Boring ID: SB-3
Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	1.2	4 6 6 4	12	2.8	X		Fine to coarse SAND, little Silt, fine to medium Gravel, Brick fragments, loose, moist.	Fill	
	2	SS	1.3	4 4 5 5	9	1.5	X				
5 / 430	3	SS	0.6	8 12 9 6	21	1.4	X		Fine to coarse SAND and GRAVEL, little Silt , Brick fragments, Cobble lodged in spoon tip.		
	4	SS	0.4	6 6 5 4	11	4.2	X		Shattered BRICK.		
	5	SS	0.8	3 4 8 4	12	3.4	X				Borehole tremie-grouted to grade with cement/ bentonite slurry.
10 / 425	6	SS	2.0	3 2 3 2	5	1.8	X		Brown to black fine to coarse SAND, trace Cinders and Brick fragments, moist. In spoon tip, becomes Silty, little organics and gravel.		
	7	SS	2.0	2 2 1 2	3	2.1	X		Medium red-brown fine SAND, trace Silt and Organic material, wet.	Silt & Sand	
15 / 420	8	SS	2.0	1 H 1 1	1	1.0			Medium red-brown fine SAND, little Silt, Clay, and Organic material, wet.		

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
H = weight of hammer

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File: sb-3.dat

Date Start/Finish: 7/20/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8.25-inch OD
Auger Size: 4.25-inch ID
Rig Type: BK-81
Sampling Method: 2 and 3-inch split-spoons (SS)

Northing: 4938.0376
Easting: 5071.469
Casing Elevation:

Borehole Depth: 17 ft. bgs
Surface Elevation: 436.2 ft. AMSL

Geologist: Michael K. Cobb

Well/Boring ID: SB-4 / SB-4A

DRAFT

Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	0.9	4 ref -- --	NA	3.2			SB-4: Brown fine to coarse SAND and fine GRAVEL, little medium to coarse Gravel, little Silt, loose, dry to moist. Auger refusal. Offset 2' and auger to 2' bgs without sampling.	Fill	
	2	SS	1.2	6 11 10 15	21	1.2			Medium brown fine to medium SAND, some coarse Sand and fine Gravel, trace Brick, moist.		
5	3	SS	1.3	7 15 20 30	35	2.8					
430	NA	SS	1.3	16 38	NA	1.3			6-7.6' bgs, fine to coarse SAND and GRAVEL, trace broken Cobbles, moist (FILL). Spoon and auger refusal at 7.6' bgs. Offset 15 feet south east to SB-4A; auger to 7' bgs and resume sampling.		
	4	SS	1.5	1 2 3 2	5	1.8			SB-4A: Fine SAND, little Silt, trace fine Gravel and Brick, moist.		Borehole tremie-grouted to grade with cement/ bentonite slurry.
10	5	SS	2.0	3 2 3 3	5	4.6					
425	6	SS	2.0	3 3 2 3	5	3.4			Red-brown fine Silty SAND, trace Organic Material, moist.	Sand and Silt	
									Black organic rich SILT, moist.		
	7	SS	2.0	4 4 4 6	8	1.3			Medium red-brown Silty fine SAND, trace Organics, trace black staining, moist to wet.		
15	8		2.0	6 7	15	3.1			Medium brown SILT and very fine SAND, stiff, wet.		

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal
Sampling details 0-7' bgs from SB-4; 7-17' bgs from SB-4A.

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File:sb-4.dat

Client:
Niagara Mohawk Power Corporation

Site Location:
141 Cedar Street
Oneida, New York

Well/Boring ID: SB-4 / SB-4A **DRAFT**

Borehole Depth: 17 ft. bgs

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
420		SS SS		9 12		3.1			As above.	Sand	Borehole tremie-grouted to grade with cement/ bentonite slurry.
20											
415											
25											
410											
30											
405											
35											

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal
Sampling details 0-7' bgs from SB-4; 7-17' bgs from SB-4A.

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File:sb-4.dat

Date Start/Finish: 7/20/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8.25-inch OD
Auger Size: 4.25-inch ID
Rig Type: BK-81
Sampling Method: 2 and 3-inch split-spoons (SS)

Northing: 4943.3805
Easting: 5046.3315
Casing Elevation:

Borehole Depth: 10 ft. bgs
Surface Elevation: 435.95 ft. AMSL

Geologist: Michael K. Cobb

Well/Boring ID: SB-5
Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	2.0	10 8 8 6	16	4.3			Asphalt. Fine to coarse SAND and fine to medium GRAVEL, little coarse Gravel, trace Silt, Clay, Cinders, Brick, and Coal, trace black staining.	Fill	
	2	SS	0.5	3 5 3 2	8	3.3					
5 / 430	3	SS	0.5	1 1 1 3	2	4.3			Fine to coarse SAND, little Silt, trace Gravel and Brick, moist.		Borehole tremie-grouted to grade with cement/ bentonite slurry.
	4	SS	0.5	3 5 5 4	10	6.7			Coarse SAND and fine to medium GRAVEL, some Cement, Brick, and Metal fragments, wet.		
	5	SS	0.8	4 3 2 ref	5	NA			Same as above with black staining and faint odor.		
10 / 425									Spoon refusal at 9.8' bgs. Possible base of former gas holder.		
15 / 420											

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing

Project: 364.56 Template: j:\rockware\logplot2001\36456\bbl1well.ldf
Date: 2/28/01 Data File: sb-5.dat

Date Start/Finish: 8/8/00
Drilling Company: Nothnagle Drilling
Driller's Name: Kevin Busch and Troy Bennett
Drilling Method: Hollow Stem Auger
Bit Size: 8¼-inch OD
Auger Size: 4¼-inch ID
Rig Type: BK-81
Sampling Method: 2-inch split-spoons (SS)

Northing: 4905.297
Easting: 5062.486
Casing Elevation:

Borehole Depth: 20 ft. bgs
Surface Elevation: 435.8 ft. AMSL

Geologist: Jason C. Sents

Well/Boring ID: SB-6
Client: Niagara Mohawk Power Corporation

Location: 141 Cedar Street
Oneida, New York

DRAFT

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
0 / 435	1	SS	2.0	8, 10, 8, 9	18	2.4			Topsoil, grass and roots. CLAY, CRUSHED STONE, BRICK, BLACK ASH, and CINDERS, damp. CRUSHED CONCRETE, damp.	Fill	
	2	SS	1.5	7, 7, 5, 5	12	2.7			Black fine SAND, SILT, CINDERS, ASH, and CRUSHED BRICK, damp. CRUSHED RED BRICK, damp. Brown fine to medium SAND, SILT with crushed Sandstone Cobbles and red Brick, black staining, dry.		
5 / 430	3	SS	0.4	8, ref, --, --	NA	1.8			Dark brown to black fine to medium SAND and CLAY, with Cinders and Ash, wet. Broken Cobble at 4.3' bgs. Spoon refusal at 5' bgs.		
	4	SS	2.0	3, 4, 8, 5	12	3.2			Dark red-brown fine to medium SAND, SILT, CRUSHED BRICK, SLAG, WOOD, CINDERS, ASH and COAL, trace roofing shingle, damp.		Borehole tremie-grouted to grade with cement/ bentonite slurry.
	5	SS	1.0	4, 1, 2, 7	3	2.9			Black CINDERS, ASH, COAL, and CINDER BLOCK, trace roofing shingle, wet.		
10 / 425	6	SS	2.0	2, 4, 5, 3	9	4.1			Dark brown fine SAND and SILT, some black Ash, Cinders, and Coal, trace white/tan Cinder Block, soft, wet.		
	7	SS	2.0	2, 2, 3, 4	5	9.5			Brown CLAY, trace fine Sand, soft, plastic, wet. Brown fine SAND and CLAY, trace medium to coarse Sand, trace Gravel. Dark red WOOD (possibly cedar).	Peat/Clay	
15 / 420	8	SS	2.0	3, 4, 3, 4	7	7.2			Dark brown PEAT and WOOD, roots, cocoa-like odor, damp. Brown CLAY, stiff, wet. Fine to medium Sand seams at 14.4, 14.8, 15.6 and 15.9' bgs.		

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Remarks: ID/OD = inside/outside diameter ppm = parts per million
ags/bgs = above/below ground surface AMSL = above Mean Sea Level
PID = photoionization detector NA = not available
ref = spoon refusal

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56 Template: j:\rockware\logplot2001\36556\bbl1well.ldf
Date: 2/28/01 Data File: sb-6.txt

DRAFT

Client:
Niagara Mohawk Power Corporation

Site Location:
141 Cedar Street
Oneida, New York

Well/Boring ID: SB-6

Borehole Depth: 20 ft. bgs

Depth (feet) / Elevation (ft. AMSL)	Sample Run Number	Sample/Int/Type	Recovery (feet)	Blows / 6 Inches	N - Value	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Hydrostratigraphy	Well Construction
	9	SS	2.0	4 4 5 7	9	2.1	X		Brown fine to medium SAND, some Silt, trace Clay and coarse Sand, wet.	F-M Sand	Borehole tremie-grouted to grade with cement/ bentonite slurry.
	10	SS	2.0	4 4 5 6	9	2.0	X				
20 / 415											
25 / 410											
30 / 405											
35 / 400											

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Remarks: ID/OD = inside/outside diameter; ppm = parts per million; ags/bgs = above/below ground surface; AMSL = above Mean Sea Level; PID = photoionization detector; NA = not available; ref = spoon refusal

Water Level Data

Date	Depth	Elev.

Depth measured from top of casing.

Project: 364.56
Date: 2/28/01

Template: j:\rockware\logplot2001\36556\bbl1well.ldf
Data File: sb-6.txt

NIAGARA MOHAWK POWER CORPORATION
ONEIDA (141 CEDAR STREET) FORMER MGP SITE
SITE INVESTIGATION ACTIVITIES

OFFSITE BORING SUMMARY

Boring ID	Sample Description	Sample Interval	Headspace (ppm)
SB-7	0.0-0.7' - Tan brown fine SAND, little medium to coarse Sand, fine Gravel, loose, organics.	(0-4')	0.0
	0.7-1.2' - Medium to coarse SAND and fine GRAVEL, [FILL], brick fragments, loose, glass fragments.		
	1.2-4.0' - No recovery.		
	4.0-8.0' - No recovery.	(4-8')	NA
SB-8	0.0-1.8' - Light brown fine to medium SAND and roots.	(0-4')	0.0
	1.8-4.0' - No recovery.		
	4.0-5.2' - Light brown fine to coarse SAND, some Gravel and organics; black tar throughout sample.	(4-6')	206
	5.2-8.0' - Olive-brown to dark brown PEAT, little black staining.	(6-8')	25.2
SB-9	0.0-1.0' - Medium reddish-brown fine to medium SAND, little coarse Sand, fine Gravel.	(0-2')	0.9
	1.0-2.1' - Loose fine to coarse SAND, fine Gravel, black, gray, yellow, and red Fill, trace Slag and Brick fragments.	(2-4')	2.1
	2.1-3.5' - Medium brown fine SAND, some Silt, little medium to coarse Sand, fine Gravel, Brick, and Cinders [FILL], moist to wet.		
	3.5-4.0' - No recovery.		
	4.0-5.0' - Medium to light brown fine SAND and SILT, little Clay, trace coarse Sand, stiff, wet.	(4-6')	0.0
	5.0'-7.0' - Black Peaty SILT, grading to dark brown-black PEAT.		
	7.0-8.0' - No recovery.	(6-8)	1.0
SB-10	0.0-4.0' - Red-brown fine to coarse SAND, organics, and broken concrete [FILL], black staining.	(0-4')	2.5
	4.0-5.4' - Red-brown to tan fine to medium SAND, trace to little Silt and Gravel.	(4-7')	0.0
	5.4-8.0' - Olive-gray to dark brown PEAT, black staining.	(7-8')	0.0
SB-11	0.0-4.0' - Red-brown fine to coarse SAND, organics, and slag [FILL].	(0-4')	0.0
	4.0-5.0' - No recovery in sleeve; black tar on gravel found in shoe. Refusal at 5' bgs.	(4-5')	NA
SB-12	0.0-3.5' - Red-brown fine to medium SAND, organics, and little Gravel; trace oily sheen; black staining, and odor. Possible tar at 3-3.5' bgs. Refusal at 3.5' bgs.	(0-3')	0.0
		(3-3.5')	38.7
SB-13	0.0-4.0' - Brown fine to medium SAND, organics, slag, and brick [FILL]; yellow staining.	(0-3')	0.4
		(3-4')	0.0
	4.0-7.2' - Olive/yellow-brown to red FILL, fine to coarse Sand; black staining.	(4-6')	0.0
	7.2-8.0' - Dark brown to black PEAT.	(6-8')	0.0
SB-14	0.0-1.8' - Medium brown fine to medium SAND, trace coarse Sand and fine Gravel, loose [FILL].	(0-2')	0.8
	1.8-2.5' - Coarse SAND and fine GRAVEL, [FILL], brick fragments, slag, wet, yellowish brown, red brick.	(2-4')	0.0
	2.5-4.0' - No recovery.		
	4.0-5.8' - Medium brown fine SAND, some Silt, wet, soft, trace medium to coarse Sand, possible brick fragments.	(4-6')	4.3
	5.8-6.2' - Dark brown-black Peaty SILT, little black wood fragments, possible faint odor.	(6-8')	28.2
	6.2-7.5' - Dark brown-black PEAT, low density, moist.		
	7.5-8.0' - No recovery.		
SB-15	0.0-1.3' - Medium brown fine to medium SAND, trace coarse Sand, loose, moist.	(0-2')	0.0
	1.3-2.2' - Fine to coarse SAND, trace Gravel, red Brick, black-gray Fill, possible Slag, broken rock, trace organics, wet.	(2-4')	0.0
	2.2-4.0' - No recovery.		
	4.0-5.3' - Medium brown fine SAND, little Silt and medium Sand, trace coarse Sand and fine Gravel, possible brick fragments, wet.	(4-6')	5.5
	5.3-7.6' - Medium brown-black PEAT, low density, moist.	(6-8')	0.0
	7.6-8.0' - No recovery.		

Notes:

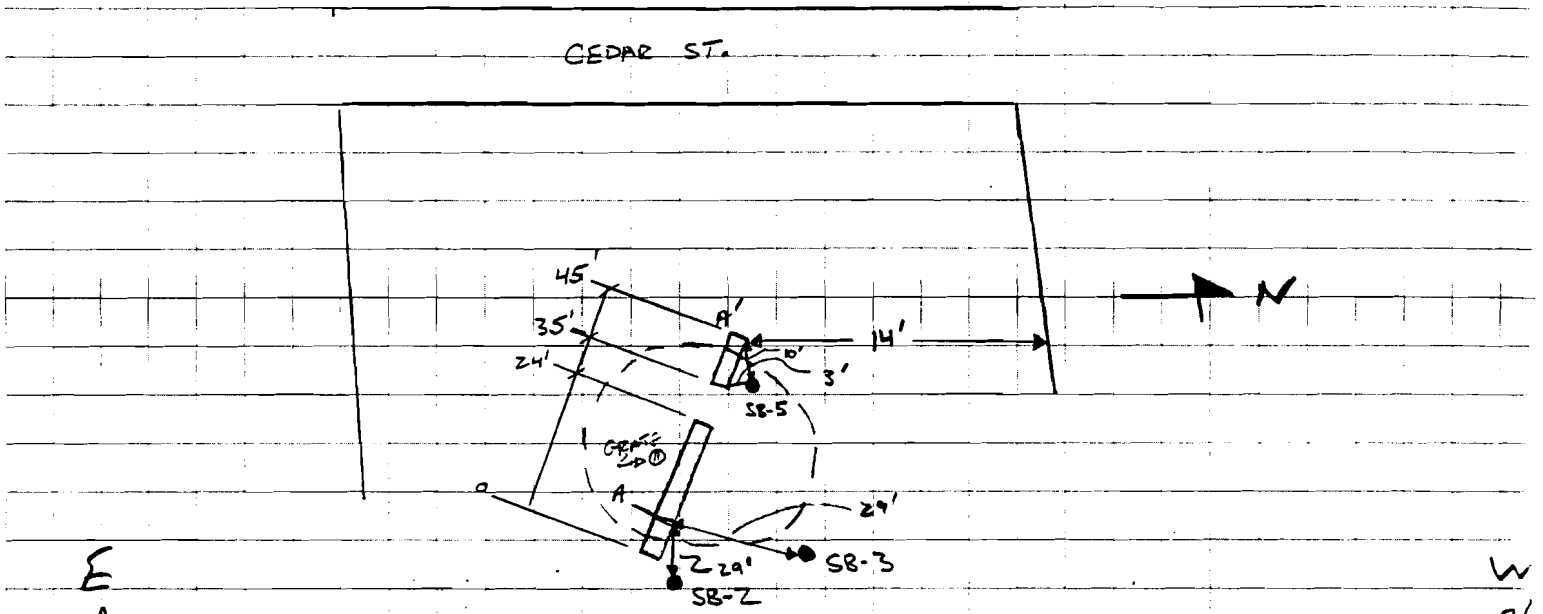
1. Headspace screening measurements of the relative concentration of volatile organic compounds in soil in ppm (parts per million) obtained with a MiniRae(TM) photoionization detector.
2. Soil borings completed with a direct-push rig.
3. Sample Interval - Indicates the depth interval (in feet below ground surface) penetrated by the direct push sampling device. The intervals indicated in the soil description represent actual soil recovery.

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

SUBJECT	PROJ. NO.	BY	DATE	SHEET
NIAGARA MOHAWK POWER CORPORATION - ONEIDA 141 CEDAR ST.	364.56	TMM	8/2/00	

CS. BY _____; DATE _____ CHECKED BY _____; DATE _____

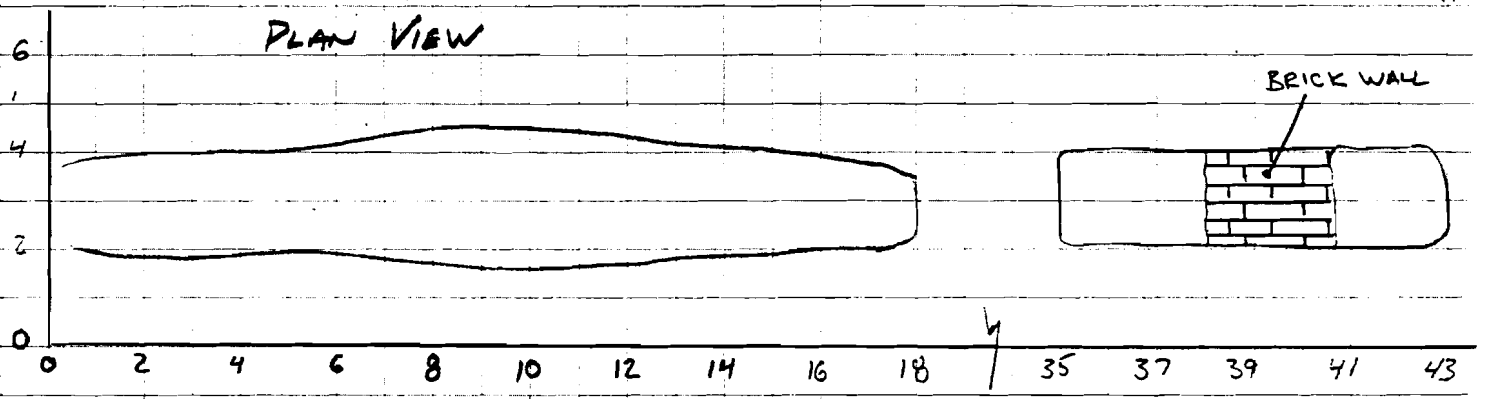
TP-1



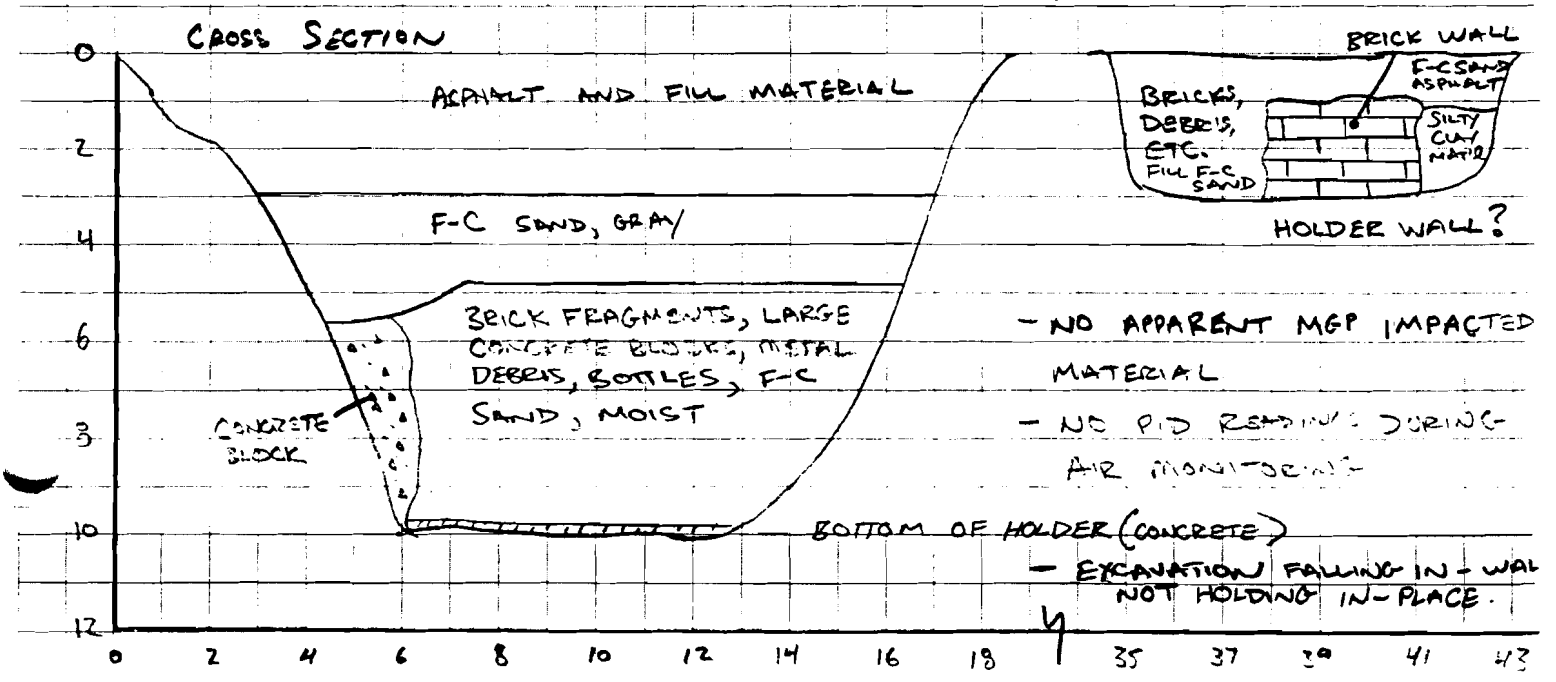
E
A

W
A'

PLAN VIEW



CROSS SECTION



- NO APPARENT MGP IMPACTED MATERIAL
- NO PID READINGS DURING AIR MONITORING
- EXCAVATION FALLING IN - WALL NOT HOLDING IN-PLACE.

BLASLAND BOUCK & LEE, INC.
engineers & scientists

SUBJECT	PROJ. NO.	BY	DATE	SHEET
Oneida Cedar St Test Pits.	36456	MKC	12/7/00	

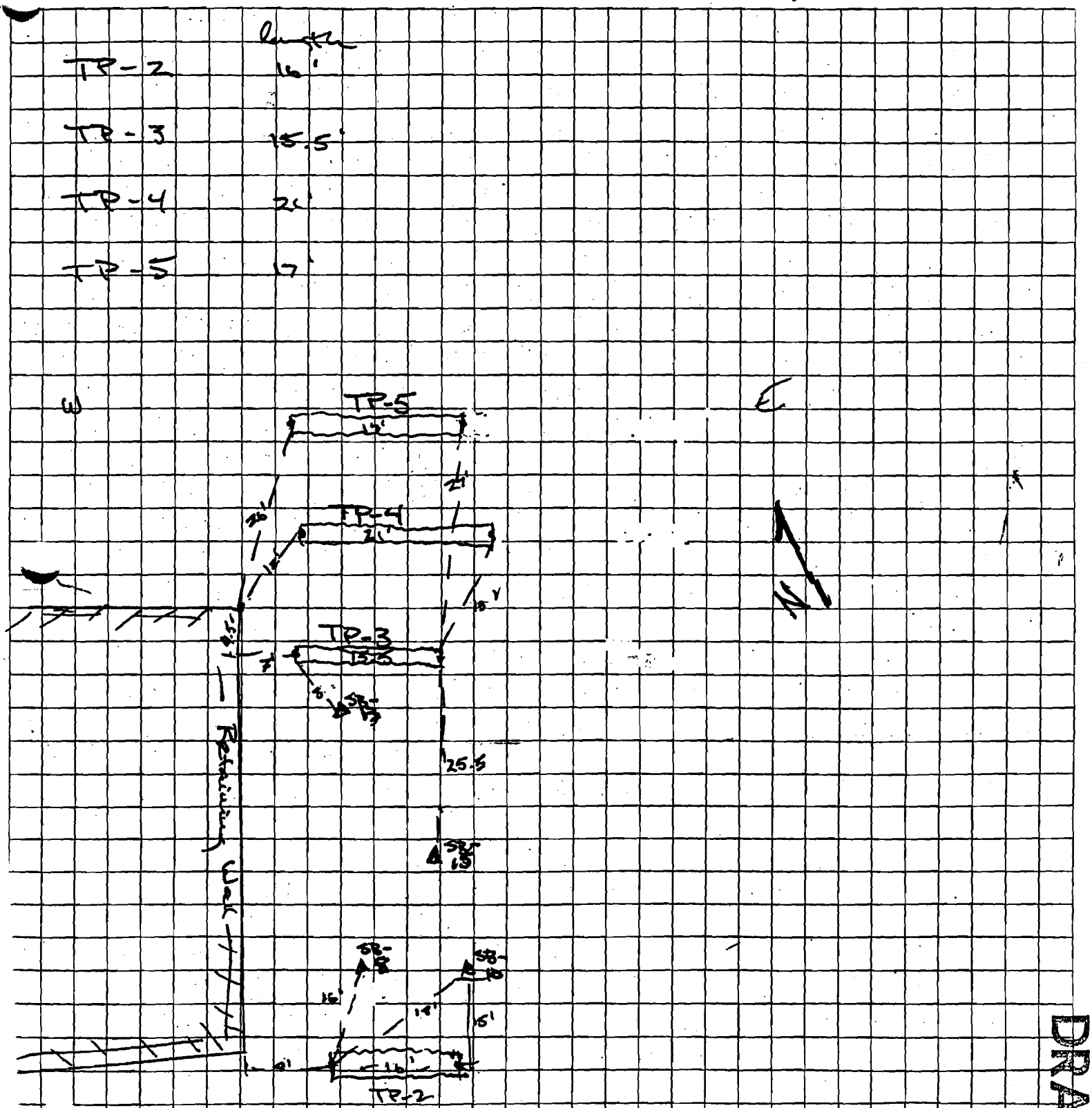
CALCS. BY _____; DATE _____ CHECKED BY _____; DATE _____

TP-2 16'

TP-3 15.5'

TP-4 21'

TP-5 17'



Not to scale.

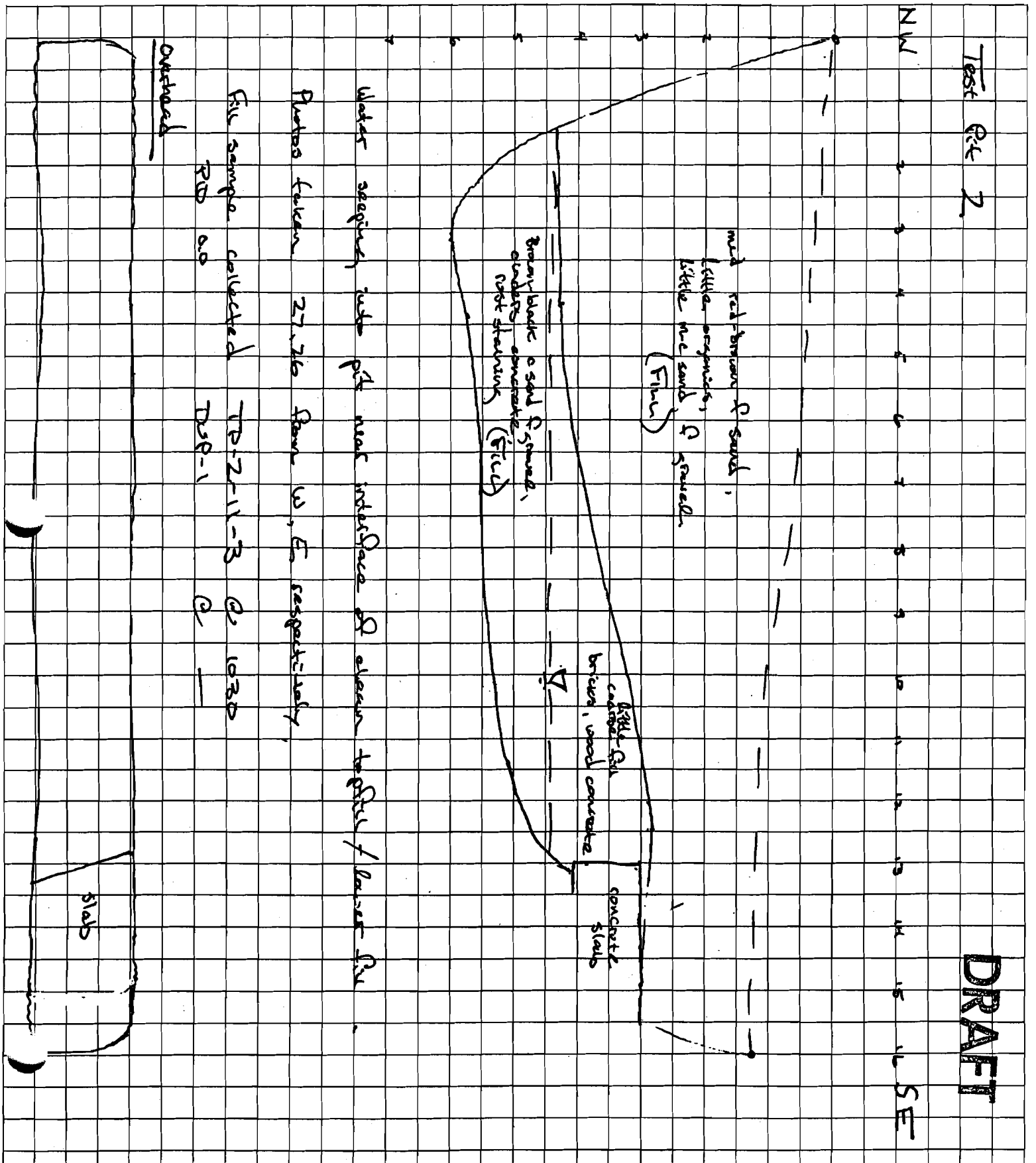
DRAFT

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

SUBJECT	PROJ. NO.	BY	DATE	SHEET
Oneida Cedar Street	36456	MKC	12/7/00	

CS. BY _____; DATE _____ CHECKED BY _____; DATE _____

Test Pit 7.



DRAFT

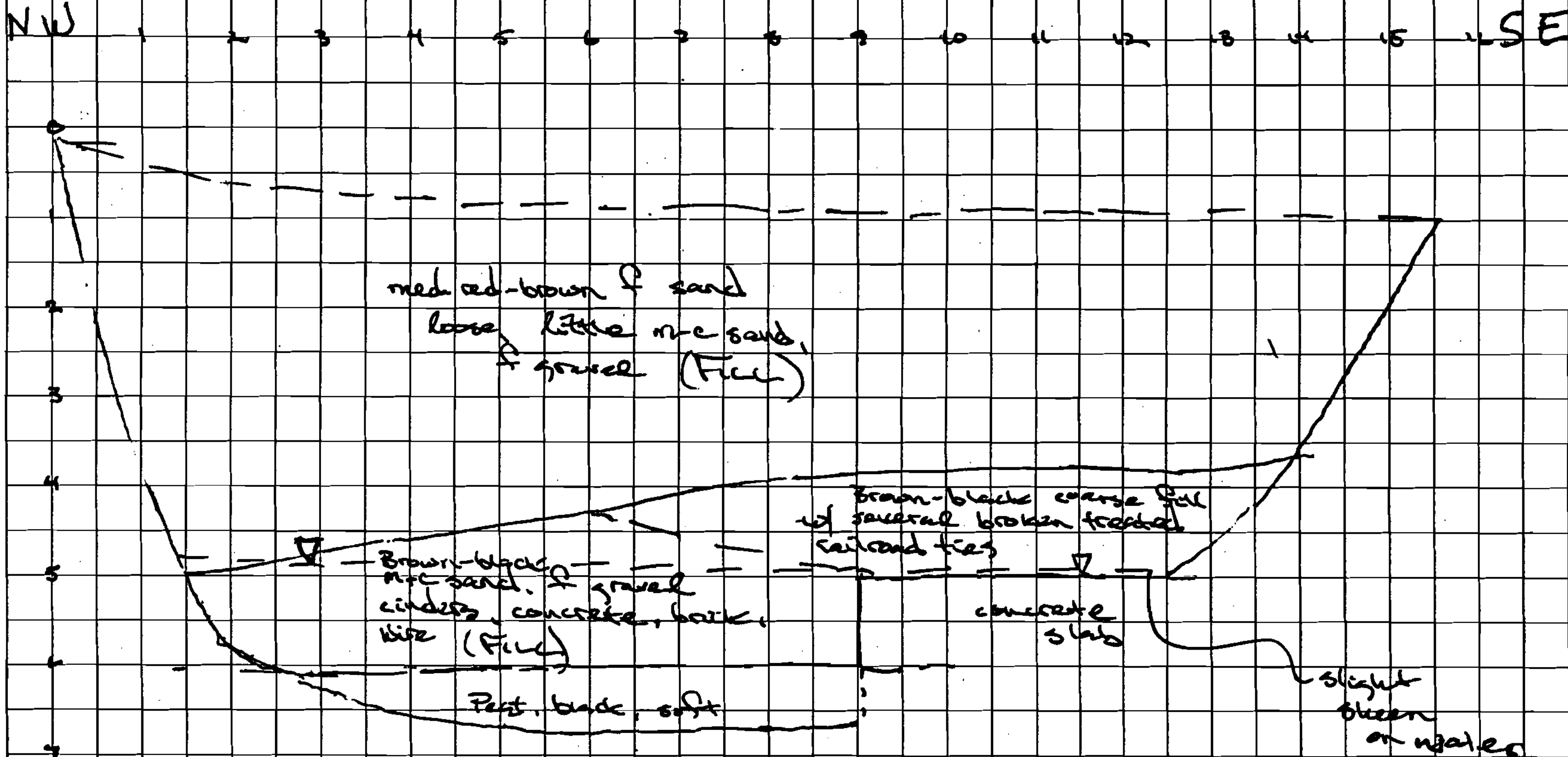
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

SUBJECT	PROJ. NO.	BY	DATE	SHEET
Oneida Cedar Street	36456	MKC	12/7/00	

CALCS. BY ____________; DATE ____________ CHECKED BY ____________; DATE ____________

DRAFT

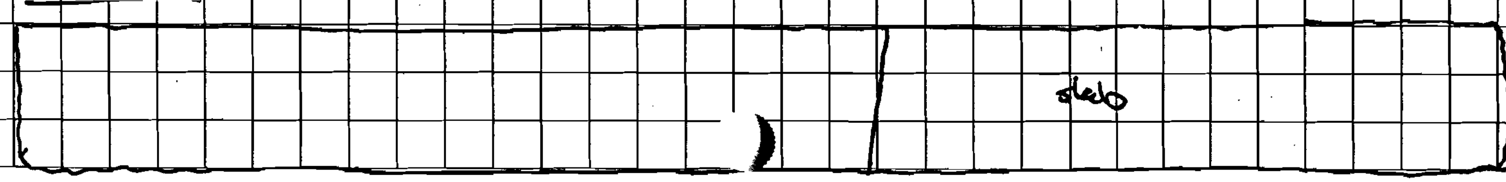
Test Pit 3



Water seeping into pit near topfill/lower fill contact, above slab.
Slight creosote odor upon splitting railroad ties.
Topfill f sand is very loose, collapses into pit.

Sample of peat collected TP-3-8-6 @ 1120
PID 11

overhead



BUASLAND, BOUCK & LEE, INC.
Engineers & scientists

SUBJECT	PROJ. NO.	BY	DATE	SHEET
Oneida Cedar Street	36456	MKC	12/7/00	

CS. BY _____; DATE _____ CHECKED BY _____; DATE _____

Test Pit 4

NW 2 4 6 8 10 12 14 16 18 20 22 SE

mud reddish & sand loose (Fill)

little concrete rubble max width 1'

rough bench cored stone masonry wall

dark brown peaty fill misc rubble (brick concrete, wood cast iron pipe.)

concrete

concrete wall

brown-dark silty peat

concrete wall

conduits & floor granules fill inside chamber (PID 0.0)

well broken to approx 4' bgs.

Photos 23, 22 taken Stone E, W respectively.

Samples: TP-4-3-3 @ 1150 (peaty fill, PID 0.0)

TP-4-10-6 @ 1200 (w/ ms/mod) (silty peat, PID 0.0)

Water flow to keep into western part of the chamber apparently perched in concrete chamber floor

Overhead

concrete cover

concrete wall

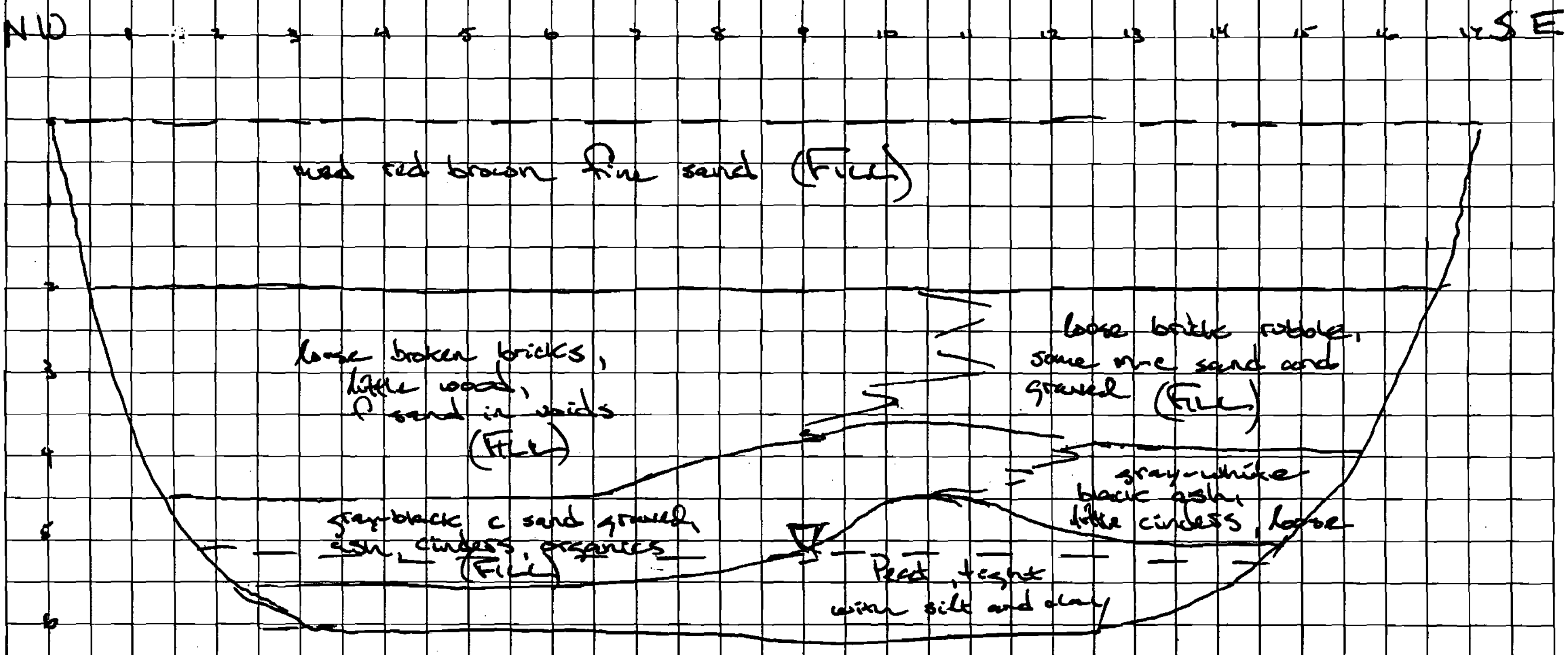
DRAFT

SUBJECT	PROJ. NO.	BY	DATE	SHEET
Oneida Cedar St.	30450	MKC	12/7/00	

CALCS. BY ________; DATE ________ CHECKED BY ________; DATE ________

DRAFT

Test Pit 5



7 Samples: TP-5-2-5 brown/black m-c sand / C gravel fill, cinders, brick, concrete
PID 0.0

TP-5-11-4 tight brown/black peat, silt and clay, peaty odor.
PID 4.1

TP-5-15-5 gray black cinders/ash loose, no odors.
PID 0.0 sample submitted 1250

Water seeping into pit at approx 5.5' bgs.
trace sheen on water.

Photos 21, 20 taken from W, E, respectively.

Attachment 4

Laboratory Analytical Results

VOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00
Date Extracted: NA

Matrix : Water
Method : NYSDEC ASP 95-1
Units : ug/l

Galson ID:	L62754-1	L62754-2	WG24857-1
Client ID:	PZ-1	PZ-TRIPBLANK-2	Method Blank
Chloromethane	<10	<10	<10
Bromomethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10
Chloroethane	<10	<10	<10
Methylene Chloride	<10	<10	<10
Acetone	<10	<10	<10
Carbon Disulfide	<10	<10	<10
1,1-Dichloroethene	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10
1,2-Dichloroethene (Total)	<10	<10	<10
Chloroform	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10
2-Butanone	<10	<10	<10
1,1,1-Trichloroethane	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Bromodichloromethane	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
cis-1,3-Dichloropropene	<10	<10	<10
Trichloroethene	<10	<10	<10
Dibromochloromethane	<10	<10	<10
1,1,2-Trichloroethane	<10	<10	<10
Benzene	<10	<10	<10
trans-1,3-Dichloropropene	<10	<10	<10
Bromoform	<10	<10	<10
4-Methyl-2-Pentanone	<10	<10	<10
2-Hexanone	<10	<10	<10
Tetrachloroethene	<10	<10	<10

Approved by : PJT
Date : 30-AUG-00
QC by :
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

WATER VOLATILE SURROGATE RECOVERY

Client : Blasland, Bouck & Lee

Login # : L62754

SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
METHOD BLANK	96	104	95	CD0816	0
PZ-1	92	92	96	CD0816	0
PZ-TRIPBLANK-2	98	94	90	CD0816	0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(62-127)
SMC2 (BFB) = Bromofluorobenzene	(73-120)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(68-121)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM II-CLP-1

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: L62754-1

Sample wt/vol: 1050 (g/mL) mL Lab File ID: ED82104

Level: (low/med) LOW Date Received: 08/15/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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
191-24-2	Benzo(g,h,i)perylene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK WG24913

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: WG24913-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: ED82103

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	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-phenylether	10	U
118-74-1	Hexachlorobenzene	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-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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
191-24-2	Benzo(g,h,i)perylene	10	U

1D

SAMPLE NO.

PZ-1

PESTICIDE ORGANICS ANALYSIS DATA SHEET

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: L62754-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: HP13A\0817C020

% Moisture: decanted: (Y/N) N Date Received: 08/15/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.1	U
72-55-9	4,4'-DDE	0.1	U
72-20-8	Endrin	0.1	U
332-13-659	Endosulfan II	0.1	U
72-54-8	4,4'-DDD	0.1	U
103-10-78	Endosulfan sulfate	0.1	U
50-29-3	4,4'-DDT	0.1	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.1	U
7421-36-3	Endrin aldehyde	0.1	U
5103-71-9	alpha-Chlordane	0.05	U
5103-7-42	gamma-Chlordane	0.05	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

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES Contract:

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

GC Column(1): DB-608 ID: .53 (mm) GC Column(2): DB-1701 ID: .53 (mm)

SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
PBLK WG24862	82	95	108	113			0
PZ-1	82	90	87	92			0

	ADVISORY QC LIMITS
TCX = TETRACHLORO-M-XYLENE	(30-150)
DCB = DECACHLOROBIPHENYL	(30-150)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00

Matrix : Water
Method : SW846 6010B/7470A; ICP/CVAA

Galson ID:		L62754-1	L62754-3	WG24971-1
Client ID:		PZ-1	PZ-1	Method Blank
	Units			
Beryllium, dissolved	mg/l	NR	<0.0050	NR
Zinc	mg/l	1.3	NR	<0.01
Cadmium, dissolved	mg/l	NR	<0.0050	NR
Calcium, dissolved	mg/l	NR	440	NR
Chromium, dissolved	mg/l	NR	<0.010	NR
Cobalt, dissolved	mg/l	NR	<0.010	NR
Copper, dissolved	mg/l	NR	<0.010	NR
Iron, dissolved	mg/l	NR	0.79	NR
Lead, dissolved	mg/l	NR	<0.0030	NR
Magnesium, dissolved	mg/l	NR	20	NR
Manganese, dissolved	mg/l	NR	1.8	NR
Nickel, dissolved	mg/l	NR	<0.020	NR
Potassium, dissolved	mg/l	NR	12	NR
Selenium, dissolved	mg/l	NR	0.019	NR
Silver, dissolved	mg/l	NR	<0.010	NR
Sodium, dissolved	mg/l	NR	5.3	NR
Thallium, dissolved	mg/l	NR	<0.010	NR
Vanadium, dissolved	mg/l	NR	<0.010	NR
Zinc, dissolved	mg/l	NR	1.1	NR

Approved by : JK
Date : 06-SEP-00
QC by : [signature]
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

INORGANIC ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00 Matrix : Water
Date Sampled : 15-AUG-00

Galson ID:			L62754-1
Client ID:			PZ-1
	Method	Units	
Cyanide, Total	CLP-M	mg/l	<0.01

Approved by : DM
Date : 24-AUG-00
QC by :
Date : 8/24/00
NYS DOH # : 11626
Footnotes:

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: BBL Inc

Project Name / Number: NMPC Oneida
Cedar Street 36456

Turn-Around Time
☒ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -446 - 9120
Fax # ( ) - -

Send Report to: CATHY GIERACI
BBL Inc

Send Invoice to: ACCTS PAYABLE
BBL Inc

P.O. # 36456

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: VOCs (TBEX) TCL	SVOCs (PAHs) TCL	TAL Metals, Total	TAL Metals, Dissolved	Cyanide, Total	Cyanide, Dissolved	Pesticides / PCB	Dismissed per Scott 8/16/00
PZ-1	8/15/00	1020		X	X				X	X	X	X	X	X	X	
PZ-TRIP BLANK-2	8/17/00	—		X	X				X							

Total Containers - (9)

REMARKS: Samples stored on ice and hand delivered
Samples taken for dissolved constituents were field filtered

Results only per Scott to Pam 8/16/00. ASP methodology

SAMPLER'S NAME: JASON C. SENTS **SIGNATURE:**

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: JASON SENTS	DATE: 8/15/00	NAME:	DATE:
SIGNATURE:	TIME: 1757	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE: 8/15
SIGNATURE:	TIME:		TIME: 1757
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE:
SIGNATURE:	TIME:		TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 14, 2000

FOR: Mr. Mike Fifield
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/18/00	15:45
Location Code:	BLASLAND	Received by:	SW	07/20/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NM PC ONEIDA CEDAR ST SB-1 0-4 Phoenix I.D. AC80361

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	4400	250	ug/Kg	07/24/00	R/B	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Arsenic	0.03	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Barium	0.49	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	07/25/00	EK	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Lead	0.101	0.015	mg/L	07/25/00	EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	EK	E1311/SW6010
Sulfur	0.20	0.01	%	08/11/00	OL	ASTMD129
Total Organic Halogens	ND	25	mg/kg	07/31/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/20/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/20/00	B/D	SW3550/3545
Percent Solid	84		%	07/21/00	CF	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/20/00	T/A	EPA 1311
Tot.Petroleum HC	240	40	mg/Kg	07/26/00	OL	E418.1
Total Cyanide	2.87	0.23	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/21/00	KCA	SW 8082

Client ID: NM PC ONEIDA CEDAR ST SB-1 0-4 Phoenix I.D. AC80361

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/21/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dichlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dimethylphenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrophenol	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dichlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2-Chloronaphthalene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2-Chlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2-Methylnaphthalene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
2-Nitroaniline	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
2-Nitrophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	66000	ug/Kg	07/22/00	DRC	SW 8270
3-Nitroaniline	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	66000	ug/Kg	07/22/00	DRC	SW 8270
4-Chloroaniline	ND	66000	ug/Kg	07/22/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
4-Nitroaniline	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
4-Nitrophenol	ND	160000	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthylene	53000	33000	ug/Kg	07/22/00	DRC	SW 8270
Anthracene	87000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzidine	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)anthracene	160000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)pyrene	110000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzo(b)fluoranthene	160000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzo(g,h,i)perylene	34000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzo(k)fluoranthene	76000	33000	ug/Kg	07/22/00	DRC	SW 8270
Benzoic acid	ND	160000	ug/Kg	07/22/00	DRC	SW 8270

Client ID: NM PC ONEIDA CEDAR ST SB-1 0-4 Phoenix I.D. AC80361

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	66000	ug/Kg	07/22/00	DRC	SW 8270
›zyl butyl phthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
s(2-chloroethoxy)methane	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Chrysene	130000	33000	ug/Kg	07/22/00	DRC	SW 8270
Di-n-butylphthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Di-n-octyl phthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Dibenzofuran	37000	33000	ug/Kg	07/22/00	DRC	SW 8270
Diethyl phthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Dimethyl phthalate	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Fluoranthene	330000	33000	ug/Kg	07/22/00	DRC	SW 8270
Fluorene	47000	33000	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobutadiene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Hexachloroethane	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	38000	33000	ug/Kg	07/22/00	DRC	SW 8270
Isophorone	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodi-n-propylamine	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Nitrosodimethylamine	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Naphthalene	180000	33000	ug/Kg	07/22/00	DRC	SW 8270
Nitrobenzene	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Pentachlorophenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Phenanthrene	290000	33000	ug/Kg	07/22/00	DRC	SW 8270
Phenol	ND	33000	ug/Kg	07/22/00	DRC	SW 8270
Pyrene	260000	33000	ug/Kg	07/22/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	Diluted Out		%	07/22/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	Diluted Out		%	07/22/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	Diluted Out		%	07/22/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	Diluted Out		%	07/22/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	Diluted Out		%	07/22/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	Diluted Out		%	07/22/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 14, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418 Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 14, 2000

FOR: Mr. Mike Fifield
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/19/00	10:40
Location Code:	BLASLAND	Received by:	SW	07/20/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NM PC ONEIDA CEDAR ST SB-2 0-6 Phoenix I.D. AC80362

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	ND	5.0	ug/Kg	07/24/00	R/B	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Barium	0.77	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	07/25/00	EK	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Lead	0.101	0.015	mg/L	07/25/00	EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	EK	E1311/SW6010
Sulfur	0.065	0.01	%	08/11/00	OL	ASTMD129
Total Organic Halogens	ND	25	mg/kg	07/31/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/20/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/20/00	B/D	SW3550/3545
Percent Solid	89		%	07/21/00	CF	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/20/00	T/A	EPA 1311
Tot.Petroleum HC	BDL	40	mg/Kg	07/26/00	OL	E418.1
Total Cyanide	BDL	0.22	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/21/00	KCA	SW 8082

Client ID: NM PC ONEIDA CEDAR ST SB-2 0-6 Phoenix I.D. AC80362

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/21/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2-Nitrophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	07/21/00	DRC	SW 8270
3-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chloroaniline	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Nitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthylene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Anthracene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzidine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)anthracene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzoic acid	ND	1600	ug/Kg	07/21/00	DRC	SW 8270

Client ID: NM PC ONEIDA CEDAR ST SB-2 0-6 Phoenix I.D. AC80362

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
[illegible]yl butyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
[illegible](2-chloroethoxy)methane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Chrysene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-octyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenzofuran	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Diethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dimethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Fluoranthene	360	330	ug/Kg	07/21/00	DRC	SW 8270
Fluorene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachloroethane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Isophorone	ND	330	ug/Kg	07/21/00	DRC	SW 8270
[illegible]itrosodi-n-propylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
[illegible]trosodimethylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Naphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Nitrobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pentachlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Phenanthrene	400	330	ug/Kg	07/21/00	DRC	SW 8270
Phenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pyrene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	49		%	07/21/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	58		%	07/21/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	77		%	07/21/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	71		%	07/21/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	73		%	07/21/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	86		%	07/21/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 14, 2000

PHOENIX
Environmental Laboratories, Inc.
567 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 14, 2000

FOR: Mr. Mike Fifield
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/19/00	10:50
Location Code:	BLASLAND	Received by:	SW	07/20/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NM PC ONEIDA CEDAR SB-2 6-10 Phoenix I.D. AC80363

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	ND	500	ug/Kg	07/24/00	R/B	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Barium	1.61	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Cadmium	0.019	0.005	mg/L	07/25/00	EK	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Lead	0.406	0.015	mg/L	07/25/00	EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	EK	E1311/SW6010
Sulfur	0.056	0.01	%	08/11/00	OL	ASTMD129
Total Organic Halogens	ND	25	mg/kg	07/31/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/20/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/20/00	B/D	SW3550/3545
Percent Solid	83		%	07/21/00	CF	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/20/00	T/A	EPA 1311
Tot.Petroleum HC	160	40	mg/Kg	07/26/00	OL	E418.1
Total Cyanide	51.8	2.40	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/21/00	KCA	SW 8082

Client ID: NM PC ONEIDA CEDAR SB-2 6-10 Phoenix I.D. AC80363

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/21/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dichlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dimethylphenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrophenol	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dichlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2-Chloronaphthalene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2-Chlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2-Methylnaphthalene	3400	3300	ug/Kg	07/22/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
2-Nitroaniline	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
2-Nitrophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	6600	ug/Kg	07/22/00	DRC	SW 8270
3-Nitroaniline	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	6600	ug/Kg	07/22/00	DRC	SW 8270
4-Chloroaniline	ND	6600	ug/Kg	07/22/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
4-Nitroaniline	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
4-Nitrophenol	ND	16000	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthylene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Anthracene	8500	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzidine	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)anthracene	12000	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)pyrene	7600	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzo(b)fluoranthene	9000	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzo(g,h,i)perylene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzo(k)fluoranthene	8400	3300	ug/Kg	07/22/00	DRC	SW 8270
Benzoic acid	ND	16000	ug/Kg	07/22/00	DRC	SW 8270

Client ID: NM PC ONEIDA CEDAR SB-2 6-10 Phoenix I.D. AC80363

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	6600	ug/Kg	07/22/00	DRC	SW 8270
ızyl butyl phthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
(2-chloroethoxy)methane	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Chrysene	9900	3300	ug/Kg	07/22/00	DRC	SW 8270
Di-n-butylphthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Di-n-octyl phthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Dibenzofuran	4500	3300	ug/Kg	07/22/00	DRC	SW 8270
Diethyl phthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Dimethyl phthalate	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Fluoranthene	23000	3300	ug/Kg	07/22/00	DRC	SW 8270
Fluorene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobutadiene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Hexachloroethane	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Isophorone	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodi-n-propylamine	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Nitrosodimethylamine	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Naphthalene	6900	3300	ug/Kg	07/22/00	DRC	SW 8270
Nitrobenzene	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Pentachlorophenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Phenanthrene	25000	3300	ug/Kg	07/22/00	DRC	SW 8270
Phenol	ND	3300	ug/Kg	07/22/00	DRC	SW 8270
Pyrene	17000	3300	ug/Kg	07/22/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	45		%	07/22/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	44		%	07/22/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	47		%	07/22/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	45		%	07/22/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	46		%	07/22/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	62		%	07/22/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 14, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418 Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 14, 2000

FOR: Mr. Mike Fifield
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/19/00	14:30
Location Code:	BLASLAND	Received by:	SW	07/20/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NM PC ONEIDA CEDAR ST SB-3 0-6 Phoenix I.D. AC80364

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	BDL	5.0	ug/Kg	07/25/00	RM	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Arsenic	0.02	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Barium	0.47	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	07/25/00	EK	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Lead	0.129	0.015	mg/L	07/25/00	EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	EK	E1311/SW6010
Sulfur	0.087	0.01	%	08/11/00	OL	ASTMD129
Total Organic Halogens	ND	25	mg/kg	07/31/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/20/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/20/00	B/D	SW3550/3545
Percent Solid	91		%	07/21/00	CF	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/20/00	T/A	EPA 1311
Tot.Petroleum HC	720	40	mg/Kg	07/26/00	OL	E418.1
Total Cyanide	0.296	0.22	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/21/00	KCA	SW 8082

Client ID: NM PC ONEIDA CEDAR ST SB-3 0-6 Phoenix I.D. AC80364

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/21/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2-Nitrophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	07/21/00	DRC	SW 8270
3-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chloroaniline	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Nitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthylene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Anthracene	430	330	ug/Kg	07/21/00	DRC	SW 8270
Benzidine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)anthracene	1500	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)pyrene	2000	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(b)fluoranthene	2400	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(g,h,i)perylene	380	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(k)fluoranthene	2400	330	ug/Kg	07/21/00	DRC	SW 8270
Benzoic acid	ND	1600	ug/Kg	07/21/00	DRC	SW 8270

Client ID: NM PC ONEIDA CEDAR ST SB-3 0-6 Phoenix I.D. AC80364

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Chrysene	1200	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-octyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenzofuran	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Diethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dimethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Fluoranthene	2200	330	ug/Kg	07/21/00	DRC	SW 8270
Fluorene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachloroethane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Isophorone	ND	330	ug/Kg	07/21/00	DRC	SW 8270
N-Nitrosodi-n-propylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Naphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Nitrobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pentachlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Phenanthrene	1600	330	ug/Kg	07/21/00	DRC	SW 8270
Phenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pyrene	1800	330	ug/Kg	07/21/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	64		%	07/21/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	59		%	07/21/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	84		%	07/21/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	78		%	07/21/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	81		%	07/21/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	99		%	07/21/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 14, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 14, 2000

FOR: Mr. Mike Fifield
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/19/00	15:00
Location Code:	BLASLAND	Received by:	SW	07/20/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NM PC ONEIDA CEDAR SB-3 6-12 Phoenix I.D. AC80365

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	BDL	5.0	ug/Kg	07/25/00	RM	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Barium	0.49	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Cadmium	0.008	0.005	mg/L	07/25/00	EK	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	EK	E1311/SW6010
TCLP Lead	5.46	0.015	mg/L	07/25/00	EK	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	EK	E1311/SW6010
Sulfur	0.082	0.01	%	08/11/00	OL	ASTMD129
Total Organic Halogens	ND	25	mg/kg	07/31/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/20/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/20/00	B/D	SW3550/3545
Percent Solid	73		%	07/21/00	CF	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/20/00	T/A	EPA 1311
Tot.Petroleum HC	BDL	40	mg/Kg	07/26/00	OL	E418.1
Total Cyanide	2.24	0.27	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/21/00	KCA	SW 8082

Client ID: NM PC ONEIDA CEDAR SB-3 6-12 Phoenix I.D. AC80365

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/21/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/21/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dichlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Chlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
2-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
2-Nitrophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	07/21/00	DRC	SW 8270
3-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chloroaniline	ND	660	ug/Kg	07/21/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	330	ug/Kg	07/21/00	DRC	SW 8270
4-Nitroaniline	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
4-Nitrophenol	ND	1600	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Acenaphthylene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Anthracene	370	330	ug/Kg	07/21/00	DRC	SW 8270
Benzidine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)anthracene	1700	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(a)pyrene	1700	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(b)fluoranthene	2800	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Benzo(k)fluoranthene	1800	330	ug/Kg	07/21/00	DRC	SW 8270
Benzoic acid	ND	1600	ug/Kg	07/21/00	DRC	SW 8270

Client ID: NM PC ONEIDA CEDAR SB-3 6-12 Phoenix I.D. AC80365

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	660	ug/Kg	07/21/00	DRC	SW 8270
zyl butyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Chrysene	1300	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Di-n-octyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dibenzofuran	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Diethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Dimethyl phthalate	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Fluoranthene	3100	330	ug/Kg	07/21/00	DRC	SW 8270
Fluorene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Hexachloroethane	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Isophorone	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Nitrosodi-n-propylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Nitrosodimethylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Naphthalene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Nitrobenzene	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pentachlorophenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Phenanthrene	1400	330	ug/Kg	07/21/00	DRC	SW 8270
Phenol	ND	330	ug/Kg	07/21/00	DRC	SW 8270
Pyrene	2600	330	ug/Kg	07/21/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	51		%	07/21/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	49		%	07/21/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	59		%	07/21/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	62		%	07/21/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	61		%	07/21/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	81		%	07/21/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 14, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418 Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QC Report

AC80366 August 14, 2000

Sample ID AC80366

Analysis: **AA Metals Analysis QC** *AC80366*

Analyte	QC Source: ERA 9986 NY 1706 Blank PPM	QC Check (% Rec.)	QC Spike (% Rec.)	QC Sample Replicate (% change)
AS Arsenic	<0.005	108	86	NC
Hg Mercury	<0.0005	108	103	NC
Pb Lead	<0.001	107	110	NC
Sb Antimony	<0.005	104	85	NC
Se Selenium	<0.005	99	110	NC
Tl Thallium	<0.005	99	85	NC

Analysis: **ICP Metals Analysis QC** *AC80366*

QC Source: ERA 9989 MIN QCI 702 ICP 0700 Analyte	Blank	QC Check Sample (% Rec.)	QC Spike Sample (% Rec.)	QC Sample Replicate (% change)
Ag Silver	<0.01	98	94	NC
Al Aluminum	<0.05	97	103	NC
As Arsenic	<0.05	100	116	NC
Ba Barium	<0.01	100	103	NC
Be Beryllium	<0.01	99	107	NC
Ca Calcium	<0.10	100	81	0.2
Cd Cadmium	<0.01	100	111	NC
Co Cobalt	<0.01	100	104	NC
Cr Chromium	<0.01	101	109	NC
Cu Copper	<0.01	99	100	11.5
Fe Iron	<0.05	100	104	14.0
K Potassium	<0.10	98	110	0.0
Mg Magnesium	<0.01	102	98	0.0
Mn Manganese	<0.01	101	104	0.0
Mo Molybdenum	<0.05	99	91	NC
Na Sodium	<0.10	100	82	0.5
Ni Nickel	<0.01	100	107	NC
P Phosphorus	<0.05	92	-	NC
Pb Lead	<0.01	100	96	NC
Se Selenium	<0.05	104	116	NC
Sn Tin	<0.25	103	97	NC
V Vanadium	<0.01	99	112	NC
Zn Zinc	<0.01	101	121	NC

Analysis: **PCB QC** *AC80366*

Analyte	Method Blank (ppb)	Matrix Spike (% Rec)	Matrix Spike Dup. (% Rec)	RPD
PCB-1260	ND	97%	94%	3%

Analysis: **Semivolatile (MS) Analysis QC** *AC80366*

Semivolatile Analyte	Matrix Spike (%Rec)	Spike Dup. (%Rec)	% Diff. (% D)
Phenol	69	68	1
2-Chlorophenol	68	72	5
1,4-Dichlorobenzene	34	36	6
N-Nitroso-di-n-prop.	52	55	7
1,2,4- Trichlorobenzene	42	45	8
4-Chloro-3-methylphenol	79	70	12
Acenaphthene	60	64	7
2,4-Dinitrotoluene	65	68	3
Pentachlorophenol	44	36	19
Pyrene	38	43	13

No target analytes were detected to the stated detection limits in the applicable method blanks with the following exceptions:

NONE

Analysis: **Total Cyanide Analysis QC** *AC80366*

QC BLANK:<0.010 UNITS:MG/L
QC CHECK SAMPLE % RECOVERY:100 QC SOURCE:ULTRA#79754
QC SAMPLE SPIKE % RECOVERY:90.0 SPIKED SAMPLE:AC80384
QC SAMPLE REPLICATE % CHANGE:N/C REPLICATED SAMPLE:AC80384

Analysis: **Volatile (GC) Analysis QC** *AC80366*

Analyte	Matrix Spike (%Rec)	Matrix Spike Dup (%Rec)	Relative %Diff (%D)
Benzene	108%	111%	3%
Chlorobenzene	94%	96%	2%
1,1-Dichloroethylene	108%	111%	17%
Toluene	84%	84%	0%
Trichloroethylene	94%	90%	4%

No analytes were detected in the applicable method blanks above the stated detection limits with the following exceptions:

(NONE)

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller
Laboratory Director

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

6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

Fedex # 8186 0068 5541

CHAIN OF CUSTODY RECORD

PROJ. NO.: 36456

PROJECT NAME: Niagara Mohawk Oneida Cedar St.

SAMPLERS: (Signature) [signature]

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	Tot Pet Hydrocarbons	Tot Re Zinc	Tot. Organic Halides	PCBs	SVOCs	Tot. Cyanide	Reactive Sulfide	TCLP Metals	REMARKS
	7/18/00	1545	X		SB-1 (0-4)	2	X	X	X	X	X	X	X	X	80361
	7/19/00	1040	X		SB-2 (0-6)	2	X	X	X	X	X	X	X	X	80362
	7/19/00	1050	X		SB-2 (6-10)	2	X	X	X	X	X	X	X	X	80363
	7/19/00	1430	X		SB-3 (0-6)	2	X	X	X	X	X	X	X	X	80364
	7/19/00	1500	X		SB-3 (6-12)	2	X	X	X	X	X	X	X	X	80365
															80366 (VL)

Remarks: Samples stored and shipped on ice. Standard Turn-Around. Results to Cathy Geraci, BBL, Inc.

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
[signature]	7/19/00	6:40 PM					
	[illegible]	11:00	[signature]				

Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks:

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 02, 2000

FOR: Ms. Cathy Garaci
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/20/00	10:40
Location Code:	BLASLAND	Received by:	SW	07/21/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NMPC CEDAR ST SB-4A (7-13) Phoenix I.D. AC80620

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
Benzene	ND	5.0	ug/Kg	07/21/00	R/B	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Arsenic	0.04	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Barium	0.49	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Cadmium	BDL	0.005	mg/L	07/25/00	TH	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Lead	0.096	0.015	mg/L	07/25/00	TH	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	TH	E1311/SW6010
Sulfur	0.02	0.01	%	08/01/00	OL	ASTMD129
Total Organic Halogens	ND	25.0	mg/kg	08/01/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/21/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/21/00	PL	SW3550/3545
Percent Solid	86		%	07/21/00	A/D	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/21/00	PL	EPA 1311
Tot.Petroleum HC	BDL	23	mg/Kg	07/28/00	EB	E418.1
Total Cyanide	BDL	0.21	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1232	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/24/00	KCA	SW 8082

Client ID: NMPC CEDAR ST SB-4A (7-13) Phoenix I.D. AC80620

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/24/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	07/24/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,4-Dinitrophenol	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,6-Dichlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2-Chlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	07/24/00	DRC	SW 8270
2-Nitroaniline	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
2-Nitrophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	07/24/00	DRC	SW 8270
3-Nitroaniline	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	07/24/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	660	ug/Kg	07/24/00	DRC	SW 8270
4-Chloroaniline	ND	660	ug/Kg	07/24/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	07/24/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	330	ug/Kg	07/24/00	DRC	SW 8270
4-Nitroaniline	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
4-Nitrophenol	ND	1600	ug/Kg	07/24/00	DRC	SW 8270
Acenaphthene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Acenaphthylene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Anthracene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzidine	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzo(a)anthracene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzo(a)pyrene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzo(b)fluoranthene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzo(k)fluoranthene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Benzoic acid	ND	1600	ug/Kg	07/24/00	DRC	SW 8270

Client ID: NMPC CEDAR ST SB-4A (7-13) Phoenix I.D. AC80620

Parameter	Result	RL	Units	Date	by	Reference
[illegible]yl alcohol	ND	660	ug/Kg	07/24/00	DRC	SW 8270
[illegible]yl butyl phthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Chrysene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Di-n-octyl phthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Dibenzofuran	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Diethyl phthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Dimethyl phthalate	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Fluoranthene	330	330	ug/Kg	07/24/00	DRC	SW 8270
Fluorene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Hexachloroethane	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
[illegible]horone	ND	330	ug/Kg	07/24/00	DRC	SW 8270
[illegible]trosodi-n-propylamine	ND	330	ug/Kg	07/24/00	DRC	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	07/24/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Naphthalene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Nitrobenzene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Pentachlorophenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Phenanthrene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Phenol	ND	330	ug/Kg	07/24/00	DRC	SW 8270
Pyrene	ND	330	ug/Kg	07/24/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	52		%	07/24/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	57		%	07/24/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	73		%	07/24/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	70		%	07/24/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	71		%	07/24/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	85		%	07/24/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 02, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

August 02, 2000

FOR: Ms. Cathy Garaci
Blasland & Bouck Engineers, PC
6723 Towpath Road Box 66
Syracuse NY 13214-0066

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	MC	07/20/00	11:30
Location Code:	BLASLAND	Received by:	SW	07/21/00	11:00
Project Code:		Analyzed by:	see below		
P.O.#:	36456				

Laboratory Data

Client ID: NMPC CEDAR ST SB-5 (0-8) Phoenix I.D. AC80621

Parameter	Result	RL	Units	Date	by	Reference
TCLP Mercury	BDL	0.001	mg/L	07/24/00	RS	E1311/E245.1
zene	ND	5.0	ug/Kg	07/21/00	R/B	SW8021
TCLP Silver	BDL	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Arsenic	BDL	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Barium	1.64	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Cadmium	0.006	0.005	mg/L	07/25/00	TH	E1311/SW6010
TCLP Chromium	BDL	0.01	mg/L	07/25/00	TH	E1311/SW6010
TCLP Lead	0.147	0.015	mg/L	07/25/00	TH	E1311/SW6010
TCLP Selenium	BDL	0.05	mg/L	07/25/00	TH	E1311/SW6010
Sulfur	0.08	0.01	%	08/01/00	OL	ASTMD129
Total Organic Halogens	ND	25.0	mg/kg	08/01/00	OL	SW9020
Sonication Ext. For PCB	Completed			07/21/00	PL	SW846-3550
Soil Ext. for Semi- Vol	Completed			07/21/00	PL	SW3550/3545
Percent Solid	87		%	07/21/00	A/D	E160.3
TCLP Digestion Mercury	Completed			07/24/00	JA	E1311/7470
TCLP Extraction Metals	Completed			07/21/00	PL	EPA 1311
Tot.Petroleum HC	540	46	mg/Kg	07/28/00	EB	E418.1
Total Cyanide	1.12	0.22	mg/Kg	07/25/00	PJ	SW9010
Polychlorinated Biphenyls						
PCB-1016	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1221	ND	400	ug/Kg	07/24/00	KCA	SW 8082
-1232	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1242	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1248	ND	400	ug/Kg	07/24/00	KCA	SW 8082

Client ID: NMPC CEDAR ST SB-5 (0-8) Phoenix I.D. AC80621

Parameter	Result	RL	Units	Date	by	Reference
PCB-1254	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1260	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1262	ND	400	ug/Kg	07/24/00	KCA	SW 8082
PCB-1268	ND	400	ug/Kg	07/24/00	KCA	SW 8082
Semivolatiles						
1,2,4-Trichlorobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
1,2-Dichlorobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
1,2-Diphenylhydrazine	ND	330	ug/Kg	07/22/00	DRC	SW 8270
1,3-Dichlorobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
1,4-Dichlorobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,4,5-Trichlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,4,6-Trichlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dichlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dimethylphenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrophenol	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
2,4-Dinitrotoluene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dichlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2,6-Dinitrotoluene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2-Chloronaphthalene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2-Chlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2-Methylnaphthalene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2-Methylphenol (o-cresol)	ND	330	ug/Kg	07/22/00	DRC	SW 8270
2-Nitroaniline	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
2-Nitrophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
3,3'-Dichlorobenzidine	ND	660	ug/Kg	07/22/00	DRC	SW 8270
3-Nitroaniline	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
4,6-Dinitro-2-methylphenol	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
4-Bromophenyl phenyl ether	ND	330	ug/Kg	07/22/00	DRC	SW 8270
4-Chloro-3-methylphenol	ND	660	ug/Kg	07/22/00	DRC	SW 8270
4-Chloroaniline	ND	660	ug/Kg	07/22/00	DRC	SW 8270
4-Chlorophenyl phenyl ether	ND	330	ug/Kg	07/22/00	DRC	SW 8270
4-Methylphenol (p-cresol)	ND	330	ug/Kg	07/22/00	DRC	SW 8270
4-Nitroaniline	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
4-Nitrophenol	ND	1600	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Acenaphthylene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Anthracene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Benzidine	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)anthracene	1100	330	ug/Kg	07/22/00	DRC	SW 8270
Benzo(a)pyrene	1200	330	ug/Kg	07/22/00	DRC	SW 8270
Benzo(b)fluoranthene	1500	330	ug/Kg	07/22/00	DRC	SW 8270
Benzo(g,h,i)perylene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Benzo(k)fluoranthene	2400	330	ug/Kg	07/22/00	DRC	SW 8270
Benzoic acid	ND	1600	ug/Kg	07/22/00	DRC	SW 8270

Client ID: NMPC CEDAR ST SB-5 (0-8) Phoenix I.D. AC80621

Parameter	Result	RL	Units	Date	by	Reference
Benzyl alcohol	ND	660	ug/Kg	07/22/00	DRC	SW 8270
Benzyl butyl phthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroethoxy)methane	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroethyl)ether	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-chloroisopropyl)ether	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Bis(2-ethylhexyl)phthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Chrysene	650	330	ug/Kg	07/22/00	DRC	SW 8270
Di-n-butylphthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Di-n-octyl phthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Dibenz(a,h)anthracene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Dibenzofuran	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Diethyl phthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Dimethyl phthalate	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Fluoranthene	1200	330	ug/Kg	07/22/00	DRC	SW 8270
Fluorene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorobutadiene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Hexachlorocyclopentadiene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Hexachloroethane	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Indeno(1,2,3-c,d)pyrene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Isophorone	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Nitrosodi-n-propylamine	ND	330	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodimethylamine	ND	330	ug/Kg	07/22/00	DRC	SW 8270
N-Nitrosodiphenylamine	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Naphthalene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Nitrobenzene	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Pentachlorophenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Phenanthrene	630	330	ug/Kg	07/22/00	DRC	SW 8270
Phenol	ND	330	ug/Kg	07/22/00	DRC	SW 8270
Pyrene	990	330	ug/Kg	07/22/00	DRC	SW 8270
% 2,4,6-Tribromophenol (Surrog Rec)	33		%	07/22/00	DRC	SW 8270
% 2-Fluorobiphenyl (Surrogate Rec)	29		%	07/22/00	DRC	SW 8270
% 2-Fluorophenol (Surrogate Rec)	38		%	07/22/00	DRC	SW 8270
% Nitrobenzene-d5 (Surrogate Rec)	36		%	07/22/00	DRC	SW 8270
% Phenol-d5 (Surrogate Rec)	37		%	07/22/00	DRC	SW 8270
% Terphenyl-d14 (Surrogate Rec)	41		%	07/22/00	DRC	SW 8270

Comments: ND=Not detected BDL = Below Detection Limit RL=Reporting Limit

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller, Laboratory Director
August 02, 2000

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

QC Report

AC80622 August 02, 2000

Sample ID AC80622

Analysis: **AA Metals Analysis QC** *AC80622*

QC Source: ERA 9986 NY 1706 Analyte	Blank PPM	QC Check (% Rec.)	QC Spike (% Rec.)	QC Sample Replicate (% change)
AS Arsenic	<0.005	108	86	NC
Hg Mercury	<0.0005	108	103	NC
Pb Lead	<0.001	107	110	NC
Sb Antimony	<0.005	104	85	NC
Se Selenium	<0.005	99	110	NC
Tl Thallium	<0.005	99	85	NC

Analysis: **ICP Metals Analysis QC** *AC80622*

QC Source: ERA 9989 MIN QCI 702 ICP 0700 Analyte	Blank	QC Check Sample (% Rec.)	QC Spike Sample (% Rec.)	QC Sample Replicate (% change)
Ag Silver	<0.01	98	94	NC
Al Aluminum	<0.05	97	103	NC
As Arsenic	<0.05	100	116	NC
Ba Barium	<0.01	100	103	NC
Be Beryllium	<0.01	99	107	NC
Ca Calcium	<0.10	100	81	0.2
Cd Cadmium	<0.01	100	111	NC
Co Cobalt	<0.01	100	104	NC
Cr Chromium	<0.01	101	109	NC
Cu Copper	<0.01	99	100	11.5
Fe Iron	<0.05	100	104	14.0
K Potassium	<0.10	98	110	0.0
Mg Magnesium	<0.01	102	98	0.0
Mn Manganese	<0.01	101	104	0.0
Mo Molybdenum	<0.05	99	91	NC
Na Sodium	<0.10	100	82	0.5
Ni Nickel	<0.01	100	107	NC
P Phosphorus	<0.05	92	-	NC
Pb Lead	<0.01	100	96	NC
Se Selenium	<0.05	104	116	NC
Sn Tin	<0.25	103	97	NC
V Vanadium	<0.01	99	112	NC
Zn Zinc	<0.01	101	121	NC

Analysis: **PCB QC** *AC80622*

Analyte	Method Blank (ppb)	Matrix Spike (% Rec)	Matrix Spike Dup. (% Rec)	RPD
PCB-1260	ND	97%	94%	3%

Analysis: **Semivolatile (MS) Analysis QC** *AC80622*

Semivolatile Analyte	Matrix Spike (%Rec)	Spike Dup. (%Rec)	% Diff. (% D)
Phenol	69	68	1
2-Chlorophenol	68	72	5
1,4-Dichlorobenzene	34	36	6
N-Nitroso-di-n-prop.	52	55	7
1,2,4- Trichlorobenzene	42	45	8
4-Chloro-3-methylphenol	79	70	12
Acenaphthene	60	64	7
2,4-Dinitrotoluene	65	68	3
Pentachlorophenol	44	36	19
Pyrene	38	43	13

No target analytes were detected to the stated detection limits in the applicable method blanks with the following exceptions:

NONE

Analysis: **Total Cyanide Analysis QC** *AC80622*

QC BLANK:<0.010 UNITS:MG/L
QC CHECK SAMPLE % RECOVERY:100 QC SOURCE:ULTRA#79754
QC SAMPLE SPIKE % RECOVERY:76.0 SPIKED SAMPLE:AC80379
QC SAMPLE REPLICATE % CHANGE:N/C REPLICATED SAMPLE:AC80379

Analysis: **Total Petroleum HC/IR Q** *AC80622*

QC BLANK: <20.0 UNITS: mg/KG
QC CHECK SAMPLE % RECOVERY:104 QC SOURCE: IN HOUSE
SP SAMPLE SPIKE % RECOVERY: 94.7 SPIKE SAMPLE: AC80620
QC SAMPLE REPLICATE % CHANGE: N/C REPLICATED SAMPLE: AC80620

Analysis: **Volatile (GC) Analysis QC** *AC80622*

Analyte	Matrix Spike (%Rec)	Matrix Spike Dup (%Rec)	Relative %Diff (%D)
Benzene	108%	111%	3%
Chlorobenzene	94%	96%	2%
1,1-Dichloroethylene	108%	111%	17%
Toluene	84%	84%	0%
Trichloroethylene	94%	90%	4%

No analytes were detected in the applicable method blanks above the stated detection limits with the following exceptions:

(NONE)

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

Phyllis Shiller
Laboratory Director

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

Fedex AB # 8166 0668 4328

6723 Towpath Road, P.O. Box 66
Syracuse, New York 13214-0066
TEL: (315) 446-9120

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
36456	NMPC Cedar St., Oneida NY

SAMPLERS: (Signature) Michael Cobb

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	Number of Containers	Tot Pet. Hydrocarbons	Tot Benzene	Tot Organic Halides	PCBs	SVOCs	Tot. Cyanide	Percent Solids	TCLP Metals	REMARKS
	7/20/00	1040	X		SB-4A (7-13)	2	X	X	X	X	X	X	X	X	80620
	7/20/00	1130	X		SB-5 (0-8)	2	X	X	X	X	X	X	X	X	80621
															80622QC
															Samples stored and shipped on ice.
															Standard Turn-Around.
															Results to Cathy Geraci,
															BBL Inc.

Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
[signature]	7/20/00	1930					
Relinquished by: (Signature)	DATE	TIME	Received by: (Signature)	Relinquished by: (Signature)	DATE	TIME	Relinquished by: (Signature)
	7/21/00	11:00	Shannon Wilhelm				
Relinquished by: (Signature)	DATE	TIME	Received for Laboratory by: (Signature)	DATE	TIME	Remarks: Rec'd cold	

10/23/95
5951188L.CDR

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

INORGANIC ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 20-JUL-00 Matrix : Soil
Date Sampled : 20-JUL-00

Galson ID:			L62040-1
Client ID:			SB-5 (8-10)
	Method	Units	
Corrosivity/pH	SW846 9045	SU	7.4
Reactive Cyanide	SW846 Ch.	mg/kg	<100
Ignitability	SW846 1030		NEG
Reactive Sulfide	SW846 Ch.	mg/kg	<100

Approved by : DM
Date : 09-AUG-00
QC by : [signature]
Date : 8/10/00
NYS DOH # : 11626
Footnotes:

* The bulk pH was performed using SW846 method 9045. A sample is corrosive if p is less than or equal to 2, or greater than or equal to 12.5 Standard Units (SU). Under these conditions, the sample is not corrosive.
* The sample does not exceed the USEPA action levels of 250mg HCN/kg waste and/or 500 mg H2S/kg waste as stated in SW846; therefore it is not reactive.
* The sample does not ignite or support combustion. Under these conditions the sample is non-ignitable.

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 20-JUL-00
Date Sampled : 20-JUL-00

Matrix : Leachate
Method : SW846 6010B/ 7470A; ICP/ CVAA

Galson ID:		L62040-1	WG24230-1	WG24362-1
Client ID:		SB-5 (8-10)	Method Blank	Method Blank
	Units			
Mercury TCLP	mg/l	<0.0003	NR	<0.0003
Arsenic TCLP	mg/l	<0.01	<0.01	NR
Barium TCLP	mg/l	1.3	<1	NR
Cadmium TCLP	mg/l	0.037	<0.005	NR
Chromium TCLP	mg/l	<0.01	<0.01	NR
Lead TCLP	mg/l	0.78	<0.02	NR
Selenium TCLP	mg/l	<0.02	<0.02	NR
Silver TCLP	mg/l	<0.01	<0.01	NR

Approved by : LK
Date : 01-AUG-00
QC by : [signature]
Date : 8/10/00
NYS DOH # : 11626
Footnotes:

LEACHATE SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES Contract:

Lab Code: Case No.: 1 SAS No.: SDG No.: L62040

SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
SBLK WG24409	63	37	97	93	88	142 *	97	81	1
SBLK WG24409TPBLANK	57	36	95	92	80	130	96	78	0
SB-5 (8-10)	60	40	94	91	73	146 *	97	78	1

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(23-120)	
S2 (PHL)	= Phenol-d6	(30-146)	
S3 (NBZ)	= Nitrobenzene-d5	(42-132)	
S4 (FBP)	= 2-Fluorobiphenyl	(32-127)	
S5 (TBP)	= 2,4,6-Tribromophenol	(31-134)	
S6 (TPH)	= Terphenyl-d14	(43-132)	
S7 (2CP)	= 2-Chlorophenol-d4	(38-135)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(39-132)	(advisory)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

SEMIVOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 20-JUL-00
Date Sampled : 20-JUL-00
Date Extracted: 31-JUL-00

Matrix : Leachate
Method : SW846 1311 8270-TCLP
Units : ug/l

Galson ID:	L62040-1	WG24409-1	WG24409-2
Client ID:	SB-5 (8-10)	Method Blank	TCLP Blank
Pyridine	<100	<100	<100
1,4-Dichlorobenzene	<100	<100	<100
2-Methylphenol	<100	<100	<100
3 & 4-Methylphenol	<200	<200	<200
Hexachloroethane	<100	<100	<100
Nitrobenzene	<100	<100	<100
Hexachlorobutadiene	<100	<100	<100
2,4,6-Trichlorophenol	<100	<100	<100
2,4,5-Trichlorophenol	<100	<100	<100
2,4-Dinitrotoluene	<100	<100	<100
Hexachlorobenzene	<100	<100	<100
Pentachlorophenol	<250	<250	<250
Analysis Date	08/03/00	08/03/00	08/03/00
Dilution Factor	1	1	1

Approved by : Oommen Kappil
Date : 10-AUG-00
QC by :
Date : 8/10/00
NYS DOH # : 11626
Footnotes:
TCLP extraction performed 7/24/00.

LEACHATE VOLATILE SURROGATE RECOVERY

Client : Blasland, Bouck & Lee Login # : L62040

SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
METHOD BLANK	94	97	102	CD0728	0
SB-5 (8-10)	90	96	104	CD0728	0
TCLP BLANK	95	97	106	CD0728	0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(74-123)
SMC2 (BFB) = Bromofluorobenzene	(72-118)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(58-134)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

VOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 20-JUL-00
Date Sampled : 20-JUL-00
Date Extracted: NA

Matrix : Leachate
Method : SW846 1311 8260
Units : ug/l

Galson ID:	*L62040-1	WG24361-1	WG24361-2
Client ID:	SB-5 (8-10)	Method Blank	TCLP Blank
Benzene	<50	<50	<50
2-Butanone	110	<100	100
Carbon Tetrachloride	<50	<50	<50
Chlorobenzene	<50	<50	<50
Chloroform	<50	<50	<50
1,2-Dichloroethane	<50	<50	<50
1,1-Dichloroethene	<50	<50	<50
Tetrachloroethene	<50	<50	<50
Trichloroethene	<50	<50	<50
Vinyl Chloride	<50	<50	<50
Analysis Date	07/28/00	07/28/00	07/28/00
Dilution Factor	10	10	10

Approved by : PJT
Date : 10-AUG-00
QC by : [signature]
Date : 8/10/00
NYS DOH # : 11626
Footnotes:
TCLP extraction performed 07/24/00.
* : 2-Butanone was also detected in the TCLP blank, and should not be considere as originally present in the sample.

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: BBL, Inc.

Project Name / Number: 36456
NMPC Oneida Cedar St

Turn-Around Time
☒ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) 446 9120
Fax # ( ) - -

Page 1 of _____

Send Report to: Cathy Geraci
BBL, Inc.

Send Invoice to: Bills Payable
BBL

P.O. # 36456

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCLP VOCs	TCLP Pesticides	TCLP Herbicides	Corrosivity/Ignitability/Reactivity	TCLP Metals	TCLP Mercury	TCLP SVOCs
SB-5 (8-10)	7/20/00	1140		X		X			X	X	X	X	X	X	X

REMARKS: Samples stored on ice. Hand delivered.

Total Containers - 3

SAMPLER'S NAME: Michael Cobb SIGNATURE: _____

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Michael Cobb SIGNATURE: _____	DATE: 7/20/00 TIME: 1925	NAME: Sharon Snyder SIGNATURE: Sharon Snyder	DATE: 7/20/00 TIME: 1:20 pm
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp 4.7 °C TS TB TM

Airbill # Hand delivered

Columbia Analytical Services inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Galson Laboratories
Project Reference: L62040
Lab Submission # : R2003092
Reported : 08/09/00

Report Contains a total of 8 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael E. Peng

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:
Submission #: R2003092

Lab ID	Client ID
396317	SB-5 (8-10)

All samples were received in good condition.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

Columbia Analytical Services Inc.

Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

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.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)

- Also used to qualify Organics QC data outside limits.

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145	NJ ID # in Rochester:	73004
CT ID # in Rochester:	PH0556	RI ID # in Rochester:	158
MA ID # in Rochester:	M-NY032	NH ID # in Rochester:	294198-A
OH EPA # in Rochester:	VAP	AIHA # in Rochester:	7889

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Galson Laboratories
Project Reference: L62040
Client Sample ID : SB-5 (8-10)

Date Sampled : 07/20/00 11:40 **Order #:** 396317 **Sample Matrix:** SOIL/SEDIMEN
Date Received: 07/26/00 **Submission #:** R2003092 **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/07/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	79	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	96	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Galson Laboratories
Project Reference: L62040
Client Sample ID : SB-5 (8-10)

Date Sampled : 07/20/00 11:40 **Order #:** 396317 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003092 **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	111	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 398260 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	125	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	98	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 398563 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/04/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	110	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: GALSON LABS

Project Name / Number: L62040

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: 8/10/00
Ph # ( ) - -
Fax # ( ) - -

Send Report to: Mike B

Send Invoice to: Pam W

P.O. # 10624

Page 1 of

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCLP Pest./Herb
SB-5 (8-10) (L2040-1)	7/20/00	11:40		X		X		396317	1
TCLP Blank	〃								1
								R2-3092	

REMARKS: TO Columbia -

Total Containers - 2

* Results + surrogate recoveries only.
* TCLP rotation performed by Galson Laboratories on - 7/24/00
* Hold Time = 7/31/00

SAMPLER'S NAME: SIGNATURE:

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: M. KRAUSE	DATE: 7/25/00	NAME:	DATE:
SIGNATURE:	TIME: 4:30 PM	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE: TIME:
SIGNATURE:	TIME:		
NAME:	DATE:	Received For Laboratory By: CAS	DATE: 7-26-00
SIGNATURE:	TIME:		TIME: 10:05

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☒ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp 8 °C TS TB TM

Airbill #

8W1-U

VOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00
Date Sampled : 19-JUL-00
Date Extracted: NA

Matrix : Leachate
Method : SW846 1311 8260
Units : ug/l

Galson ID:	L62002-1	L62002-2	WG24361-1
Client ID:	SB-2 (0-2)	SB-3 (10-12)	Method Blank
Benzene	<50	<50	<50
2-Butanone	<100	<100	<100
Carbon Tetrachloride	<50	<50	<50
Chlorobenzene	<50	<50	<50
Chloroform	<50	<50	<50
1,2-Dichloroethane	<50	<50	<50
1,1-Dichloroethene	<50	<50	<50
Tetrachloroethene	<50	<50	<50
Trichloroethene	<50	<50	<50
Vinyl Chloride	<50	<50	<50
alysis Date	07/28/00	07/28/00	07/28/00
lution Factor	10	10	10

Approved by : PJT
Date : 09-AUG-00
QC by : [signature]
Date : 8/9/00
NYS DOH # : 11626
Footnotes:
TCLP extraction performed 07/24/00.

LEACHATE VOLATILE SURROGATE RECOVERY

Client : Blasland, Bouck & Lee

Login # : L62002

SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
METHOD BLANK	94	97	102	CD0728	0
SB-2 (0-2)	93	87	104	CD0728	0
SB-3 (10-12)	93	96	104	CD0728	0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(74-123)
SMC2 (BFB) = Bromofluorobenzene	(72-118)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(58-134)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

FORM II-CLP-1

SEMIVOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00
Date Sampled : 19-JUL-00
Date Extracted: 31-JUL-00

Matrix : Leachate
Method : SW846 1311 8270-TCLP
Units : ug/l

Galson ID:	L62002-1	L62002-2	WG24409-1
Client ID:	SB-2 (0-2)	SB-3 (10-12)	Method Blank
Pyridine	<100	<100	<100
1,4-Dichlorobenzene	<100	<100	<100
2-Methylphenol	<100	<100	<100
3 & 4-Methylphenol	<200	<200	<200
Hexachloroethane	<100	<100	<100
Nitrobenzene	<100	<100	<100
Hexachlorobutadiene	<100	<100	<100
2,4,6-Trichlorophenol	<100	<100	<100
2,4,5-Trichlorophenol	<100	<100	<100
2,4-Dinitrotoluene	<100	<100	<100
Hexachlorobenzene	<100	<100	<100
ntachlorophenol	<250	<250	<250
Analysis Date	08/03/00	08/03/00	08/03/00
Dilution Factor	1	1	1

Approved by : Oommen Kappil
Date : 09-AUG-00
QC by :
Date : 8/10/00
NYS DOH # : 11626
Footnotes:
TCLP extraction performed 7/24/00.

SEMIVOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00
Date Sampled : 19-JUL-00
Date Extracted: 31-JUL-00

Matrix : Leachate
Method : SW846 1311 8270-TCLP
Units : ug/l

Galson ID: WG24409-2
Client ID: TCLP Blank

Pyridine	<100
1,4-Dichlorobenzene	<100
2-Methylphenol	<100
3 & 4-Methylphenol	<200
Hexachloroethane	<100
Nitrobenzene	<100
Hexachlorobutadiene	<100
2,4,6-Trichlorophenol	<100
2,4,5-Trichlorophenol	<100
2,4-Dinitrotoluene	<100
Hexachlorobenzene	<100
Pentachlorophenol	<250
Analysis Date	08/03/00
Dilution Factor	1

Approved by : Oommen Kappil
Date : 09-AUG-00
QC by :
Date : 8/10/00
NYS DOH # : 11626
Footnotes:
TCLP extraction performed 7/24/00.

LEACHATE SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES Contract:

Lab Code: Case No.: 1 SAS No.: SDG No.: L62002

SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (NBZ)#	S4 (FBP)#	S5 (TBP)#	S6 (TPH)#	S7 (2CP)#	S8 (DCB)#	TOT OUT
SBLK WG24409	63	37	97	93	88	142 *	97	81	1
SBLK WG24409TPBLANK	57	36	95	92	80	130	96	78	0
SB-2 (0-2)	58	42	92	95	71	144 *	97	83	1
SB-3 (10-12)	62	41	92	91	75	133 *	97	76	1

		QC LIMITS	
S1 (2FP)	= 2-Fluorophenol	(23-120)	
S2 (PHL)	= Phenol-d6	(30-146)	
S3 (NBZ)	= Nitrobenzene-d5	(42-132)	
S4 (FBP)	= 2-Fluorobiphenyl	(32-127)	
S5 (TBP)	= 2,4,6-Tribromophenol	(31-134)	
S6 (TPH)	= Terphenyl-d14	(43-132)	
S7 (2CP)	= 2-Chlorophenol-d4	(38-135)	(advisory)
S8 (DCB)	= 1,2-Dichlorobenzene-d4	(39-132)	(advisory)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00
Date Sampled : 19-JUL-00

Matrix : Leachate
Method : SW846 6010B/ 7470A; ICP/ CVAA

Galson ID:		L62002-1	L62002-2	WG24230-1
Client ID:		SB-2 (0-2)	SB-3 (10-12)	Method Blank
	Units			
Mercury TCLP	mg/l	<0.0003	<0.0003	NR
Arsenic TCLP	mg/l	<0.01	0.016	<0.01
Barium TCLP	mg/l	1.8	<1	<1
Cadmium TCLP	mg/l	0.0087	0.0061	<0.005
Chromium TCLP	mg/l	<0.01	<0.01	<0.01
Lead TCLP	mg/l	0.14	0.074	<0.02
Selenium TCLP	mg/l	<0.02	<0.02	<0.02
Silver TCLP	mg/l	<0.01	<0.01	<0.01

Approved by : LK
Date : 01-AUG-00
QC by :
Date :
NYS DOH # : 11626
Footnotes:

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00
Date Sampled : 19-JUL-00

Matrix : Leachate
Method : SW846 6010B/ 7470A; ICP/ CVAA

Galson ID: WG24362-1
Client ID: Method Blank

	Units	
Mercury TCLP	mg/l	<0.0003
Arsenic TCLP	mg/l	NR
Barium TCLP	mg/l	NR
Cadmium TCLP	mg/l	NR
Chromium TCLP	mg/l	NR
Lead TCLP	mg/l	NR
Selenium TCLP	mg/l	NR
Silver TCLP	mg/l	NR

Approved by : LK
Date : 01-AUG-00
QC by :
Date : 8/1/00
NYS DOH # : 11626
Footnotes:

INORGANIC ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 19-JUL-00 Matrix : Soil
Date Sampled : 19-JUL-00

Galson ID:			L62002-1	L62002-2
Client ID:			SB-2 (0-2)	SB-3 (10-12)
	Method	Units		
Corrosivity/pH	SW846 9045	SU	10.3	8.0
Reactive Cyanide	SW846 Ch.	mg/kg	<100	<100
Ignitability	SW846 1030		NEG	NEG
Reactive Sulfide	SW846 Ch.	mg/kg	<100	<100

Approved by : DM
Date : 09-AUG-00
QC by : [signature]
Date : 8/9/00
NYS DOH # : 11626
Footnotes:

* The bulk pH was performed using SW846 method 9045. A sample is corrosive if p is less than or equal to 2, or greater than or equal to 12.5 Standard Units (SU). Under these conditions, the samples are not corrosive.
* The samples do not exceed the USEPA action levels of 250mg HCN/kg waste and/or 500 mg H2S/kg waste as stated in SW846; therefore they are not reactive.
* The samples do not ignite or support combustion. Under these conditions the samples are non-ignitable.

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: BBL, Inc

Project Name / Number: NMPC Oneida Cedar St / 36456

Turn-Around Time
☒ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -446- 9120
Fax # ( ) - -

Page ___ of ___

Send Report to: Cathy Geraci
BBL, Inc

Send Invoice to: Bills Payable
BBL, Inc

P.O. # 36456

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCLP VOCs	TCLP Pesticides	TCLP Herbicides	Corrosivity / Ignitability / Reactivity	TCLP Metals	TCLP Mercury	TCLP SVOCs
SB-2 (0-2)	7/19/00	1300		X		X			X	X	X	X	X	X	X
SB-3 (10-12)	7/19/00	1450		X		X			X	X	X	X	X	X	X

Total Containers: -

REMARKS: Samples stored on ice. (
Please hold samples until instructed by BBL to run.
* Samples off-hold per Scott Parlin (BBL) to MCB 7/20/00.

SAMPLER'S NAME: Michael Cobb **SIGNATURE:** _____

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Michael Cobb	DATE: 7/19/00	NAME: Lisa Tabaczyk	DATE: 7/19/00
SIGNATURE: _____	TIME: 1900	SIGNATURE: _____	TIME: 19:00
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE:
SIGNATURE:	TIME:		TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE:
SIGNATURE:	TIME:		TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp 11 C / CT °C TS TB TM (16)
ice present

Airbill #

Columbia Analytical Services, Inc.
1 Mustard ST.
Suite 250
Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Galson Laboratories
Project Reference: L62002
Lab Submission # : R2003091
Reported : 08/09/00

Report Contains a total of 13 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:
Submission #: R2003091

Lab ID	Client ID
396314	SB-2 (0-2)
396315	SB-3 (10-12)
396316	TCLP BLANK

All samples were received in good condition.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

Columbia Analytical Services Inc.

Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

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.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)

- Also used to qualify Organics QC data outside limits.

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145	NJ ID # in Rochester:	73004
CT ID # in Rochester:	PH0556	RI ID # in Rochester:	158
MA ID # in Rochester:	M-NY032	NH ID # in Rochester:	294198-A
OH EPA # in Rochester:	VAP	AIHA # in Rochester:	7889

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : SB-2 (0-2)

Date Sampled : 07/19/00 13:00 **Order #:** 396314 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/07/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	122	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	100	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : SB-2 (0-2)

Date Sampled : 07/19/00 13:00 **Order #:** 396314 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	109	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : SB-3 (10-12)

Date Sampled : 07/19/00 14:50 **Order #:** 396315 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/07/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	129	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	102	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : SB-3 (10-12)

Date Sampled : 07/19/00 14:50 **Order #:** 396315 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	111	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : TCLP BLANK

Date Sampled : 07/24/00 **Order #:** 396316 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/07/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	130	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	102	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure. Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Galson Laboratories
Project Reference: L62002
Client Sample ID : TCLP BLANK

Date Sampled : 07/24/00 **Order #:** 396316 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 07/26/00 **Submission #:** R2003091 **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	116	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8081A TCLP
Reported: 08/09/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 398260 **Sample Matrix:** SOIL/SEDIMENT
Date Received: **Submission #:** **Analytical Run** 53569

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/27/00			
DATE ANALYZED : 08/05/00			
ANALYTICAL DILUTION: 10.00			
GAMMA-BHC (LINDANE)	0.50	5.0 U	UG/L
CHLORDANE	2.0	20 U	UG/L
ENDRIN	0.50	5.0 U	UG/L
HEPTACHLOR	0.50	5.0 U	UG/L
HEPTACHLOR EPOXIDE	0.50	5.0 U	UG/L
METHOXYCHLOR	2.0	20 U	UG/L
TOXAPHENE	10	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(24 - 154 %)	125	%
TETRACHLORO-META-XYLENE (TCMX)	(30 - 150 %)	98	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8151A
Reported: 08/09/00

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 398563 **Sample Matrix:** SOIL/SEDIMEN
Date Received: **Submission #:** **Analytical Run** 53627

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 07/28/00			
DATE ANALYZED : 08/04/00			
ANALYTICAL DILUTION: 100.00			
2,4-D	0.50	50 U	UG/L
2,4,5-TP (SILVEX)	0.50	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DCAA	(18 - 152 %)	110	%

Data Reported following TCLP Toxicity Characteristics Leaching Procedure.
Federal Register, Part 261, Vol. 55, NO 126, June 29, 1990.

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: GALSON LABS

Project Name / Number: L62002.

Turn-Around Time
☒ - Standard Service
☐ - * Rush Service
Date requested by: 8/8/00
Ph # ( ) - -
Fax # ( ) - -

Page 1 of

Send Report to: Mike B

Send Invoice to: Pam W

P.O. # 10624

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCLP Pest / Herb
SB-2 (0-2) (L62002-1)	7/19/00	1300		X		X		396314	1
SB-3 (10-12) (L62002-2)	↓	1450		X		X		15	1
TCLP Blank								16	1
								A2-3091	

REMARKS: TO Columbia

Total Containers - 3

* Results + surrogate recoveries only.
* TCLP rotation performed by Galson Laboratories on 7/24/00
* Hold time = 7/31/00

SAMPLER'S NAME: SIGNATURE:

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: M. Krause	DATE: 7/25/00	NAME:	DATE:
SIGNATURE: M. Krause	TIME: 430 PM	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE:
SIGNATURE:	TIME:		TIME:
NAME:	DATE:	Received For Laboratory By: CAS (Signature)	DATE: 7-26-00
SIGNATURE:	TIME:		TIME: 10:05

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☒ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp 8 °C TS TB TM

Airbill #

C-112

Columbia Analytical Services Inc.
Cooler Receipt And Preservation Check Form

Project/Client Gilson Submission Number R2-3091

Cooler received on 7-26-00 by: YE COURIER: CAS UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?					YES (NO)
2.	Were custody papers properly filled out (ink, signed, etc.)?					(YES) NO
3.	Did all bottles arrive in good condition (unbroken)?					(YES) NO
4.	Did any VOA ~~vials have~~ significant air bubbles?					YES NO (N/A)
5.	Were Ice or (Ice packs) present?					(YES) NO
6.	Where did the bottles originate?					(CAS/ROC,) CLIENT
7.	Temperature of cooler(s) upon receipt:	8°				
	Is the temperature within 0° - 6° C?:	Yes ☐	Yes ☐	Yes ☐	Yes ☐	Yes ☐
	If No, Explain Below	No ☒	No ☐	No ☐	No ☐	No ☐

Date/Time Temperatures Taken: 7-26-00 @ 10:30

Thermometer ID: IR-Gun Temp Blank Sample Bottle Cooler Temp. (IR. Gun)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 7/26/00 by: BC

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
5-9*	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

*If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments:

0-0113

VOLATILE ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00
Date Extracted: NA

Matrix : Water
Method : NYSDEC ASP 95-1
Units : ug/l

Galson ID:	L62754-1	L62754-2	WG24857-1
Client ID:	PZ-1	PZ-TRIPBLANK-2	Method Blank
Chloromethane	<10	<10	<10
Bromomethane	<10	<10	<10
Vinyl Chloride	<10	<10	<10
Chloroethane	<10	<10	<10
Methylene Chloride	<10	<10	<10
Acetone	<10	<10	<10
Carbon Disulfide	<10	<10	<10
1,1-Dichloroethene	<10	<10	<10
1,1-Dichloroethane	<10	<10	<10
1,2-Dichloroethene (Total)	<10	<10	<10
Chloroform	<10	<10	<10
1,2-Dichloroethane	<10	<10	<10
2-Butanone	<10	<10	<10
1,1,1-Trichloroethane	<10	<10	<10
Carbon Tetrachloride	<10	<10	<10
Bromodichloromethane	<10	<10	<10
1,2-Dichloropropane	<10	<10	<10
cis-1,3-Dichloropropene	<10	<10	<10
Trichloroethene	<10	<10	<10
Dibromochloromethane	<10	<10	<10
1,1,2-Trichloroethane	<10	<10	<10
Benzene	<10	<10	<10
trans-1,3-Dichloropropene	<10	<10	<10
Bromoform	<10	<10	<10
4-Methyl-2-Pentanone	<10	<10	<10
2-Hexanone	<10	<10	<10
Tetrachloroethene	<10	<10	<10

Approved by : PJT
Date : 30-AUG-00
QC by :
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

Galson Laboratories

VOLATILE ANALYTICAL REPORT

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00
Date Extracted: NA

Matrix : Water
Method : NYSDEC ASP 95-1
Units : ug/l

Galson ID:	L62754-1	L62754-2	WG24857-1
Client ID:	PZ-1	PZ-TRIPBLANK-2	Method Blank
1,1,2,2-Tetrachloroethane	<10	<10	<10
Toluene	<10	<10	<10
Chlorobenzene	<10	<10	<10
Ethylbenzene	<10	<10	<10
Styrene	<10	<10	<10
Xylene (total)	<10	<10	<10
Analysis Date	08/16/00	08/16/00	08/16/00
Dilution Factor	1	1	1

Approved by : PJT
Date : 30-AUG-00
QC by :
Date :
NYS DOH # : 11626
Footnotes:

WATER VOLATILE SURROGATE RECOVERY

Client : Blasland, Bouck & Lee Login # : L62754

SAMPLE NO.	SMC1 (TOL) #	SMC2 (BFB) #	SMC3 (DCE) #	OTHER	TOT OUT
METHOD BLANK	96	104	95	CD0816	0
PZ-1	92	92	96	CD0816	0
PZ-TRIPBLANK-2	98	94	90	CD0816	0

	QC LIMITS
SMC1 (TOL) = Toluene-d8	(62-127)
SMC2 (BFB) = Bromofluorobenzene	(73-120)
SMC3 (DCE) = 1,2-Dichloroethane-d4	(68-121)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: L62754-1

Sample wt/vol: 1050 (g/mL) mL Lab File ID: ED82104

Level: (low/med) LOW Date Received: 08/15/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	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
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	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	24	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	24	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	24	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: L62754-1

Sample wt/vol: 1050 (g/mL) mL Lab File ID: ED82104

Level: (low/med) LOW Date Received: 08/15/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	24	U
100-02-7	4-Nitrophenol	24	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
100-01-6	4-Nitroaniline	24	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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
191-24-2	Benzo(g,h,i)perylene	10	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK WG24913

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: WG24913-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: ED82103

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	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
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	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
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	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
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SBLK WG24913

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: WG24913-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: ED82103

Level: (low/med) LOW Date Received: 00/00/00

% Moisture: decanted: (Y/N) N Date Extracted:08/18/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	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-phenylether	10	U
118-74-1	Hexachlorobenzene	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-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	10	U
117-84-0	Di-n-octylphthalate	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
191-24-2	Benzo(g,h,i)perylene	10	U

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES Contract:

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

SAMPLE NO.	S1 (2FP) #	S2 (PHL) #	S3 (NBZ) #	S4 (FBP) #	S5 (TBP) #	S6 (TPH) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
SBLK WG24913	84	92	90	88	98	110	98	81	0
PZ-1	80	94	91	84	104	83	98	82	0

	QC LIMITS	
S1 (2FP) = 2-Fluorophenol	(21-110)	
S2 (PHL) = Phenol-d6	(10-110)	
S3 (NBZ) = Nitrobenzene-d5	(35-114)	
S4 (FBP) = 2-Fluorobiphenyl	(43-116)	
S5 (TBP) = 2,4,6-Tribromophenol	(10-123)	
S6 (TPH) = Terphenyl-d14	(33-141)	
S7 (2CP) = 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: PZ-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: L62754-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: HP13A\0817C020

% Moisture: decanted: (Y/N) N Date Received: 08/15/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.1	U
72-55-9	4,4'-DDE	0.1	U
72-20-8	Endrin	0.1	U
332-13-659	Endosulfan II	0.1	U
72-54-8	4,4'-DDD	0.1	U
103-10-78	Endosulfan sulfate	0.1	U
50-29-3	4,4'-DDT	0.1	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.1	U
7421-36-3	Endrin aldehyde	0.1	U
5103-71-9	alpha-Chlordane	0.05	U
5103-7-42	gamma-Chlordane	0.05	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

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PBLK WG24862

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

Matrix: (soil/water) WATER Lab Sample ID: WG24862-1

Sample wt/vol: 1000 (g/mL) mL Lab File ID: HP13A\0817C015

% Moisture: decanted: (Y/N) N Date Received: 00/00/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:08/17/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 08/17/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.1	U
72-55-9	4,4'-DDE	0.1	U
72-20-8	Endrin	0.1	U
332-13-659	Endosulfan II	0.1	U
72-54-8	4,4'-DDD	0.1	U
103-10-78	Endosulfan sulfate	0.1	U
50-29-3	4,4'-DDT	0.1	U
72-43-5	Methoxychlor	0.5	U
53494-70-5	Endrin ketone	0.1	U
7421-36-3	Endrin aldehyde	0.1	U
5103-71-9	alpha-Chlordane	0.05	U
5103-7-42	gamma-Chlordane	0.05	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

WATER PESTICIDE SURROGATE RECOVERY

Lab Name: GALSON LABORATORIES Contract:

Lab Code: Case No.: 1 SAS No.: SDG No.: L62754

GC Column(1): DB-608 ID: .53 (mm) GC Column(2): DB-1701 ID: .53 (mm)

SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
PBLK WG24862	82	95	108	113			0
PZ-1	82	90	87	92			0

	ADVISORY QC LIMITS
TCX = TETRACHLORO-M-XYLENE	(30-150)
DCB = DECACHLOROBIPHENYL	(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00

Matrix : Water
Method : SW846 6010B/7470A; ICP/CVAA

Galson ID:		L62754-1	L62754-3	WG24971-1
Client ID:		PZ-1	PZ-1	Method Blank
	Units			
Mercury	mg/l	<0.0002	NR	NR
Mercury, dissolved	mg/l	NR	<0.00020	NR
Aluminum	mg/l	0.21	NR	<0.1
Antimony	mg/l	<0.01	NR	<0.01
Arsenic	mg/l	<0.01	NR	<0.01
Barium	mg/l	0.036	NR	<0.005
Beryllium	mg/l	<0.005	NR	<0.005
Cadmium	mg/l	<0.005	NR	<0.005
Calcium	mg/l	450	NR	<0.2
Chromium	mg/l	<0.01	NR	<0.01
Cobalt	mg/l	<0.01	NR	<0.01
Copper	mg/l	<0.01	NR	<0.01
Iron	mg/l	1.4	NR	<0.1
Inorganic Lead	mg/l	0.0093	NR	<0.003
Magnesium	mg/l	21	NR	<0.1
Manganese	mg/l	2.0	NR	0.0054
Nickel	mg/l	<0.02	NR	<0.02
Potassium	mg/l	10	NR	<1
Aluminum, dissolved	mg/l	NR	<0.10	NR
Selenium	mg/l	<0.005	NR	<0.005
Antimony, dissolved	mg/l	NR	<0.010	NR
Silver	mg/l	<0.01	NR	<0.01
Arsenic, dissolved	mg/l	NR	<0.010	NR
Sodium	mg/l	5.6	NR	<2
Thallium	mg/l	<0.01	NR	<0.01
Barium, dissolved	mg/l	NR	0.032	NR
Vanadium	mg/l	<0.01	NR	<0.01

Approved by : JK
Date : 06-SEP-00
QC by :
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00

Matrix : Water
Method : SW846 6010B/7470A; ICP/CVAA

Galson ID:		L62754-1	L62754-3	WG24971-1
Client ID:		PZ-1	PZ-1	Method Blank
	Units			
Beryllium, dissolved	mg/l	NR	<0.0050	NR
Zinc	mg/l	1.3	NR	<0.01
Cadmium, dissolved	mg/l	NR	<0.0050	NR
Calcium, dissolved	mg/l	NR	440	NR
Chromium, dissolved	mg/l	NR	<0.010	NR
Cobalt, dissolved	mg/l	NR	<0.010	NR
Copper, dissolved	mg/l	NR	<0.010	NR
Iron, dissolved	mg/l	NR	0.79	NR
Lead, dissolved	mg/l	NR	<0.0030	NR
Magnesium, dissolved	mg/l	NR	20	NR
Manganese, dissolved	mg/l	NR	1.8	NR
Nickel, dissolved	mg/l	NR	<0.020	NR
Potassium, dissolved	mg/l	NR	12	NR
Selenium, dissolved	mg/l	NR	0.019	NR
Silver, dissolved	mg/l	NR	<0.010	NR
Sodium, dissolved	mg/l	NR	5.3	NR
Thallium, dissolved	mg/l	NR	<0.010	NR
Vanadium, dissolved	mg/l	NR	<0.010	NR
Zinc, dissolved	mg/l	NR	1.1	NR

Approved by : JK
Date : 06-SEP-00
QC by : [signature]
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

METALS ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00
Date Sampled : 15-AUG-00

Matrix : Water
Method : SW846 6010B/7470A; ICP/CVAA

Galson ID: WG25084-1
Client ID: Method Blank

	Units	
Mercury	mg/l	<0.0002
Mercury, dissolved	mg/l	NR
Aluminum	mg/l	NR
Antimony	mg/l	NR
Arsenic	mg/l	NR
Barium	mg/l	NR
Beryllium	mg/l	NR
Cadmium	mg/l	NR
Calcium	mg/l	NR
Chromium	mg/l	NR
Cobalt	mg/l	NR
Copper	mg/l	NR
Iron	mg/l	NR
Inorganic Lead	mg/l	NR
Magnesium	mg/l	NR
Manganese	mg/l	NR
Nickel	mg/l	NR
Potassium	mg/l	NR
Aluminum, dissolved	mg/l	NR
Selenium	mg/l	NR
Antimony, dissolved	mg/l	NR
Silver	mg/l	NR
Arsenic, dissolved	mg/l	NR
Sodium	mg/l	NR
Thallium	mg/l	NR
Barium, dissolved	mg/l	NR
Vanadium	mg/l	NR

Approved by : JK
Date : 06-SEP-00
QC by :
Date : 9/6/00
NYS DOH # : 11626
Footnotes:

INORGANIC ANALYTICAL REPORT

Galson Laboratories

Client : Blasland, Bouck & Lee
Account # : 10624
Site : NMPC ONEIDA CEDAR ST

Date Received : 15-AUG-00 Matrix : Water
Date Sampled : 15-AUG-00

Galson ID:			L62754-1
Client ID:			PZ-1
	Method	Units	
Cyanide, Total	CLP-M	mg/l	<0.01

Approved by : DM
Date : 24-AUG-00
QC by :
Date :
NYS DOH # : 11626
Footnotes:

Galson Laboratories

6601 Kirkville Road East
E. Syracuse, New York 13057
315 437-7252 • 888-577-5227

Company Name: BBL Inc

Project Name / Number: NMPC Oneida
Cedar Street 36456

Turn-Around Time
☒ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -446 - 9120
Fax # ( ) - -

Page 1 of 1

Send Report to: CATHY GIERACT
BBL Inc

Send Invoice to: ACCTS PAYABLE
BBL Inc

P.O. # 36456

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: VOCs (TCL)	SVOCs (TCL)	TAL Metals, Total	TAL Metals, Dissolved	Cyanide, Total	Cyanide, Dissolved	Pesticides / PCB	Dismissed per Scott 8/16/00.
PZ-1	8/15/00	1020		X	X				X	X	X	X	X	X	X	
PZ-TRIP BLANK-2	8/15/00	—		X	X				X							

REMARKS: Samples stored on ice and hand delivered
Samples taken for dissolved constituents were field filtered

Results only per Scott to Pam 8/16/00. ASP methodology

Total Containers - (9)

SAMPLER'S NAME: JASON C. SEARS **SIGNATURE:**

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: JASON SEARS	DATE: 8/15/00	NAME:	DATE:
SIGNATURE:	TIME: 1757	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE: 8/15 TIME: 1757
SIGNATURE:	TIME:		
NAME:	DATE:	Received For Laboratory: (Signature)	DATE:
SIGNATURE:	TIME:		TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.

Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

BLASLAND, BOUCK & LEE, INC.

LABORATORY DATA REVIEW REPORT

Project: NMPC - Cedar Street

Analytical Laboratory: Galson Laboratories

Laboratory Report Identification Number: L62005

Date of Laboratory Report: August 21, 2000

Date of Review: November 2, 2000

Reviewer: Linda Waters

Number of Samples: 7

Sample Matrix: soil

Date of Collection: 7/18/00 - 7/20/00

Sample Analysis: Volatiles

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	(yes)	no	not applicable
	- %Recovery, surrogate	yes	(no)	not applicable
	- %Recovery, control sample	yes	no	(not applicable)

7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	yes	(no)	not applicable

Notes: Methylene chloride was detected in three method blanks. Data for methylene chloride have been qualified as undetected in samples SB-2(10-12), SB-2(10-12)RE, DUP-1, DUP-1RE and SB-4A(13-15) based on the blank content.

Recovery for one or more surrogates were outside control limits in samples DUP-1, DUP-1RE and SB-2(10-12)RE. All positive data for samples DUP-1RE and SB-2(10-12)RE and all data for sample DUP-1 have been qualified as estimated based on the recoveries.

The response for one or more internal standards was below established limits in samples DUP-1, DUP-1RE, SB-2(10-12) and SB-2(10-12)RE. Data for all compounds quantitated under the non-compliant standards have been qualified as estimated based on the deviations.

Data for samples DUP-1, SB-2(10-12) and their associated method blank were incorrectly calculated. The samples results and surrogate recoveries were manually recalculated and corrected.

Other than for the deviations noted in this review, all data quality parameters were within method-specified limits and the data is acceptable for use as reported by the laboratory.

Report Number: L62005

Sample Analysis: Semivolatiles

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	yes	(no)	not applicable
	- %Recovery, blank spike	yes	(no)	not applicable
	- %Recovery, surrogate	(yes)	no	not applicable
	- %Recovery, control sample	yes	no	(not applicable)
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	yes	(no)	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes:

A rinse blank was submitted and received for semivolatile analysis. No data for for this sample was, however, included in the data package.

Although no target compounds were detected, several non-target compounds were detected in the method blank. When common to the blank and samples, their presence in the samples have been rejected.

The non-target compound benzo(e)pyrene was was present but not reported in the

majority of the samples. The non-target sample data sheets have been corrected to reflect the presence.

The response for one or more internal standards was below established limits in samples DUP-1, DUP-1DL, SB-2(19-23), SB-1(4-6) and SB-1(4-6)DL. Data for all compounds quantitated under the non-compliant standards have been qualified as estimated based on the deviations.

Recovery for pentachlorophenol was below control limits in the matrix spike and recovery for 4-nitrophenol was above control limits in the matrix spike blank. Since the deviations were minor and since neither of the compounds were detected in the samples, no data have been qualified based on the recoveries.

Other than for the deviations noted in this review, the data quality parameters were within method specifications and the data is acceptable for use as reported by the laboratory.

Report Number: L62005

Sample Analysis: Pesticides/PCB

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	(yes)	no	not applicable
	- %Recovery, surrogate	yes	(no)	not applicable
	- %Recovery, control sample	yes	no	(not applicable)
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes:

Surrogate recoveries were outside control limits in several samples due to interfering peaks. No data have been qualified based on biased recoveries due to matrix interference.

Data for several compounds were rejected due to matrix interference. In all cases the interference made the determination of presence of absence of the rejected compound impossible.

Other than for the deviations noted in this review, the data quality parameters were within method specifications and the data is acceptable for use as reported by the laboratory.

Report Number: L62005

Sample Analysis: Metals

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- r2, initial calibration	(yes)	no	not applicable
	- %R, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	yes	(no)	not applicable
	- %Recovery, control sample	(yes)	no	not applicable
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	yes	(no)	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes

Recoveries were below control limits for antimony and manganese and recoveries were above control limits for lead in the soil matrix spike. All data for antimony and manganese and all positive data for lead have been qualified as estimated based on the recoveries.

The field duplicate results are unacceptable for lead. All data for this compound have been qualified as estimated based on the duplicate results.

No target analytes were detected above the CRDL in the preparation and calibration blanks; however, beryllium was detected below the CRDL. Based on

the similarity between the samples and blanks, beryllium data for samples DUP1, SB-1(4-6), SB-2(10-12), SB-3(12-14) and SB4(13-15) should be considered highly suspect.

Other than for the deviations noted in this review, all quality control parameters were within method specifications and the data is acceptable for use as reported by the laboratory.

Reviewed and Approved:

Quality Assurance Manager

Project Manager

vjw2347

SAMPLE COMPLIANCE REPORT

NMPC - Cedar Street

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliancy[1]				Noncompliance
					VOA	BNA	Pest	TAL	
L62005	7/18/00	1995	SB-1(4-6)	soil	yes	no	yes	yes	BN - ms[2], msb[2], int std Pest - id TAL - ms, f.dup
L58771	7/19/00	1995	SB-2(10-12)	soil	no	no	yes	yes	VOA - blank[3] BN - ms[2], msb[2] TAL - ms, f.dup
L58771	7/19/00	1995	SB-2(19-23)	soil	yes	no	yes	yes	BN - ms[2], msb[2] Pest - id TAL - ms, f.dup
L58771	7/19/00	1995	SB-3(12-14)	soil	yes	no	yes	yes	BN - ms[2], msb[2] TAL - ms, f.dup
L58771	7/19/00	1995	DUP-1	soil	no	no	yes	yes	VOA - blank[3], surr, int std BN - ms[2], msb[2], int std TAL - ms, f.dup
L58771	7/20/00	1995	SB-4A(13-15)	soil	no	no	yes	yes	VOA - blank[3] BN - ms[2], msb[2] TAL - ms, f.dup
L58771	--	1995	RINSE BLANK	water	yes	--	yes	yes	TAL - ms

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
2 The noncompliance resulted in no qualification of data.
3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-1

Sample wt/vol: 4 (g/mL) g Lab File ID: CD072018

Level: (low/med) MED Date Received: 07/19/00

%Moisture: not dec. 12 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	1400	U
74-83-9	Bromomethane	1400	U
75-01-4	Vinyl Chloride	1400	U
75-00-3	Chloroethane	1400	U
75-09-2	**Methylene Chloride**	**460**	**J**
67-64-1	Acetone	1400	U
75-15-0	Carbon Disulfide	1400	U
75-35-4	1,1-Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
540-59-0	1,2-Dichloroethene (Total)	1400	U
67-66-3	Chloroform	1400	U
107-06-2	1,2-Dichloroethane	1400	U
78-93-3	2-Butanone	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
56-23-5	Carbon Tetrachloride	1400	U
75-27-4	Bromodichloromethane	1400	U
78-87-5	1,2-Dichloropropane	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
79-01-6	Trichloroethene	1400	U
124-48-1	Dibromochloromethane	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
71-43-2	**Benzene**	**380**	**J**
10061-02-6	trans-1,3-Dichloropropene	1400	U
75-25-2	Bromoform	1400	U
108-10-1	4-Methyl-2-Pentanone	1400	U
591-78-6	2-Hexanone	1400	U
127-18-4	Tetrachloroethene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-88-3	**Toluene**	**2800**	
108-90-7	Chlorobenzene	1400	U
100-41-4	**Ethylbenzene**	**480**	**J**
100-42-5	**Styrene**	**950**	**J**
1330-20-7	**Xylene (total)**	**15000**	

1E

SAMPLE NO.

SB-1 (4-6)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-1

Sample wt/vol: 4 (g/mL) g Lab File ID: CD072018

Level: (low/med) MED Date Received: 07/19/00

%Moisture: not dec. 12 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~000091-20-3~~	~~Naphthalene~~	~~21.56~~	~~1400~~	~~J~~
2.		C3-Substituted benzene	27.90	3500	J
3.		C3-Substituted Benzene	28.11	4600	J
4.		C3-Substituted Benzene	28.70	1500	J
5.		C3-Substituted Benzene	29.12	9000	J
6.	000271-89-6	Benzofuran	29.93	1700	J
7.		C3-Substituted Benzene	30.25	2600	J
8.		Unknown Aromatic	30.81	3100	J
9.		Unknown Aromatic	31.44	15000	J
10.		C4-Substituted Benzene	32.95	1700	J
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-2

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072005

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 25 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	**Methylene Chloride**	**13**	B
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (Total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U UJ
591-78-6	2-Hexanone	13	U UJ
127-18-4	Tetrachloroethene	13	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	13	U UJ
108-88-3	**Toluene**	**18**	J
108-90-7	Chlorobenzene	13	U UJ
100-41-4	Ethylbenzene	13	U UJ
100-42-5	Styrene	13	U UJ
1330-20-7	Xylene (total)	13	U UJ

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB-2 (10-12)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-2

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072005

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 25 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12) RE

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-2RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072417

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 25 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	**Methylene Chloride**	13 ~~5~~	~~J~~B U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (Total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	**Benzene**	**2**	~~J~~ J
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	~~U~~ UJ
591-78-6	2-Hexanone	13	~~U~~ UJ
127-18-4	Tetrachloroethene	13	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	13	~~U~~ UJ
108-88-3	**Toluene**	**6**	~~J~~ J
108-90-7	Chlorobenzene	13	~~U~~ UJ
100-41-4	Ethylbenzene	13	~~U~~ UJ
100-42-5	Styrene	13	~~U~~ UJ
1330-20-7	Xylene (total)	13	~~U~~ UJ

FORM I CLP VOA

1E

SAMPLE NO.

SB-2 (10-12) RE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-2 RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072417

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 25 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (19-23)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-3

Sample wt/vol: 4 (g/mL) g Lab File ID: CD072105

Level: (low/med) MED Date Received: 07/19/00

%Moisture: not dec. 49 Date Analyzed: 07/21/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 2

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 50 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	4900	U
74-83-9	Bromomethane	4900	U
75-01-4	Vinyl Chloride	4900	U
75-00-3	Chloroethane	4900	U
75-09-2	**Methylene Chloride**	**660**	**J**
67-64-1	Acetone	4900	U
75-15-0	Carbon Disulfide	4900	U
75-35-4	1,1-Dichloroethene	4900	U
75-34-3	1,1-Dichloroethane	4900	U
540-59-0	1,2-Dichloroethene (Total)	4900	U
67-66-3	Chloroform	4900	U
107-06-2	1,2-Dichloroethane	4900	U
78-93-3	2-Butanone	4900	U
71-55-6	1,1,1-Trichloroethane	4900	U
56-23-5	Carbon Tetrachloride	4900	U
75-27-4	Bromodichloromethane	4900	U
78-87-5	1,2-Dichloropropane	4900	U
10061-01-5	cis-1,3-Dichloropropene	4900	U
79-01-6	Trichloroethene	4900	U
124-48-1	Dibromochloromethane	4900	U
79-00-5	1,1,2-Trichloroethane	4900	U
71-43-2	**Benzene**	**27000**	
10061-02-6	trans-1,3-Dichloropropene	4900	U
75-25-2	Bromoform	4900	U
108-10-1	4-Methyl-2-Pentanone	4900	U
591-78-6	2-Hexanone	4900	U
127-18-4	Tetrachloroethene	4900	U
79-34-5	1,1,2,2-Tetrachloroethane	4900	U
108-88-3	**Toluene**	**28000**	
108-90-7	Chlorobenzene	4900	U
100-41-4	**Ethylbenzene**	**18000**	
100-42-5	**Styrene**	**10000**	
1330-20-7	**Xylene (total)**	**97000**	

1E

SAMPLE NO.

SB-2 (19-23)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-3

Sample wt/vol: 4 (g/mL) g Lab File ID: CD072105

Level: (low/med) MED Date Received: 07/19/00

%Moisture: not dec. 49 Date Analyzed: 07/21/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 2

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 50 (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C3-Substituted benzene	27.92	14000	J
2.		C3-Substituted benzene	28.11	16000	J
3.		C3-Substituted benzene	29.12	36000	J
4.	000271-89-6	Benzofuran	29.93	28000	J
5.		Unknown aromatic	31.45	140000	J
6.		Unknown aromatic	33.28	17000	J
7.		Unknown aromatic	34.68	14000	J
8.		Unknown aromatic	35.04	13000	J
9.	000091-20-3	Naphthalene	36.61	350000	J
10.	000270-82-6	Benzo[c]thiophene	37.05	14000	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-4A (13-15)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62041-1

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072414

Level: (low/med) LOW Date Received: 07/20/00

%Moisture: not dec. 17 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	**Methylene Chloride**	12 3	JB U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-4A (13-15)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62041-1

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072414

Level: (low/med) LOW Date Received: 07/20/00

%Moisture: not dec. 17 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-5

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072006

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 26 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U UJ
74-83-9	Bromomethane	14	U UJ
75-01-4	Vinyl Chloride	14	U UJ
75-00-3	Chloroethane	14	U UJ
75-09-2	**Methylene Chloride**	17 ~~18~~	**B** UJ
67-64-1	Acetone	14	U UJ
75-15-0	Carbon Disulfide	14	U UJ
75-35-4	1,1-Dichloroethene	14	U UJ
75-34-3	1,1-Dichloroethane	14	U UJ
540-59-0	1,2-Dichloroethene (Total)	14	U UJ
67-66-3	Chloroform	14	U UJ
107-06-2	1,2-Dichloroethane	14	U UJ
78-93-3	2-Butanone	14	U UJ
71-55-6	1,1,1-Trichloroethane	14	U UJ
56-23-5	Carbon Tetrachloride	14	U UJ
75-27-4	Bromodichloromethane	14	U UJ
78-87-5	1,2-Dichloropropane	14	U UJ
10061-01-5	cis-1,3-Dichloropropene	14	U UJ
79-01-6	Trichloroethene	14	U UJ
124-48-1	Dibromochloromethane	14	U UJ
79-00-5	1,1,2-Trichloroethane	14	U UJ
71-43-2	Benzene	14	U UJ
10061-02-6	trans-1,3-Dichloropropene	14	U UJ
75-25-2	Bromoform	14	U UJ
108-10-1	4-Methyl-2-Pentanone	14	U UJ
591-78-6	2-Hexanone	14	U UJ
127-18-4	Tetrachloroethene	14	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	14	U UJ
108-88-3	Toluene	14	U UJ
108-90-7	Chlorobenzene	14	U UJ
100-41-4	Ethylbenzene	14	U UJ
100-42-5	Styrene	14	U UJ
1330-20-7	Xylene (total)	14	U UJ

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-5

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072006

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 26 Date Analyzed: 07/20/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
4.					
5.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 RE

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-5RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072418

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 26 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	**Methylene Chloride**	14 ~~6~~	~~JB~~ U
67-64-1	Acetone	14	U
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	**Benzene**	**2**	~~J~~ J
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	~~U~~ UJ
591-78-6	2-Hexanone	14	~~U~~ UJ
127-18-4	Tetrachloroethene	14	~~U~~ UJ
79-34-5	1,1,2,2-Tetrachloroethane	14	~~U~~ UJ
108-88-3	**Toluene**	**3**	~~J~~ J
108-90-7	Chlorobenzene	14	~~U~~ UJ
100-41-4	Ethylbenzene	14	~~U~~ UJ
100-42-5	Styrene	14	~~U~~ UJ
1330-20-7	Xylene (total)	14	~~U~~ UJ

1E

SAMPLE NO.

DUP-1 RE

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Soil Lab Sample ID: L62005-5 RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD072418

Level: (low/med) LOW Date Received: 07/19/00

%Moisture: not dec. 26 Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RINSE BLANK

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Water Lab Sample ID: L62041-5

Sample wt/vol: 5 (g/mL) mL Lab File ID: CD072404

Level: (low/med) LOW Date Received: 07/20/00

%Moisture: not dec. Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	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
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

SAMPLE NO.

RINSE BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) Water Lab Sample ID: L62041-5

Sample wt/vol: 5 (g/mL) mL Lab File ID: CD072404

Level: (low/med) LOW Date Received: 07/20/00

%Moisture: not dec. Date Analyzed: 07/24/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
4.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73139

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q
108-95-2	Phenol	380		U
111-44-4	bis(2-Chloroethyl)ether	380		U
95-57-8	2-Chlorophenol	380		U
541-73-1	1,3-Dichlorobenzene	380		U
106-46-7	1,4-Dichlorobenzene	380		U
95-50-1	1,2-Dichlorobenzene	380		U
95-48-7	2-Methylphenol	380		U
108-60-1	2,2'-oxybis(1-Chloropropane)	380		U
106-44-5	4-Methylphenol	380		U
621-64-7	N-Nitroso-di-n-propylamine	380		U
67-72-1	Hexachloroethane	380		U
98-95-3	Nitrobenzene	380		U CS
78-59-1	Isophorone	380		U CS
88-75-5	2-Nitrophenol	380		U CS
105-67-9	2,4-Dimethylphenol	380		U CS
111-91-1	bis(2-Chloroethoxy)methane	380		U CS
120-83-2	2,4-Dichlorophenol	380		U CS
120-82-1	1,2,4-Trichlorobenzene	380		U CS
91-20-3	**Naphthalene**	~~23000~~	24000	E J D
106-47-8	4-Chloroaniline	380		U CS
87-68-3	Hexachlorobutadiene	380		U CS
59-50-7	4-Chloro-3-methylphenol	380		U CS
91-57-6	**2-Methylnaphthalene**	~~6200~~	12000	E J D
77-47-4	Hexachlorocyclopentadiene	380		U CS
88-06-2	2,4,6-Trichlorophenol	380		U CS
95-95-4	2,4,5-Trichlorophenol	940		U CS
91-58-7	2-Chloronaphthalene	380		U CS
88-74-4	2-Nitroaniline	940		U CS
131-11-3	Dimethylphthalate	380		U CS
208-96-8	**Acenaphthylene**	~~18000~~	24000	E J D
606-20-2	2,6-Dinitrotoluene	380		U CS
99-09-2	3-Nitroaniline	940		U CS
83-32-9	**Acenaphthene**	~~4700~~	5700	E J D

FORM I SV-I

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73139

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	940	U UJ
100-02-7	4-Nitrophenol	940	U UJ
132-64-9	**Dibenzofuran**	~~11000~~ 15000	~~E~~ J D
121-14-2	2,4-Dinitrotoluene	380	U UJ
84-66-2	Diethylphthalate	380	U UJ
86-73-7	**Fluorene**	~~27000~~ 26000	~~E~~ J D
7005-72-3	4-Chlorophenyl-phenylether	380	U UJ
100-01-6	4-Nitroaniline	940	U UJ
534-52-1	4,6-Dinitro-2-methylphenol	940	U UJ
86-30-6	N-Nitrosodiphenylamine	380	U UJ
101-55-3	4-Bromophenyl-phenylether	380	U UJ
118-74-1	Hexachlorobenzene	380	U UJ
87-86-5	Pentachlorophenol	940	U UJ
85-01-8	**Phenanthrene**	**120000**	**E** J
120-12-7	**Anthracene**	**62000**	**E** J
86-74-8	**Carbazole**	**5400**	**E** J
84-74-2	Di-n-butylphthalate	380	U UJ
206-44-0	**Fluoranthene**	**180000**	**E** J
129-00-0	**Pyrene**	**73000**	**E**
85-68-7	Butylbenzylphthalate	380	U
56-55-3	**Benzo(a)anthracene**	**66000**	**E**
91-94-1	3,3'-Dichlorobenzidine	380	U
218-01-9	**Chrysene**	**20000**	**E**
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	**Benzo(b)fluoranthene**	**44000**	**E**
207-08-9	**Benzo(k)fluoranthene**	**9200**	**E**
50-32-8	**Benzo(a)pyrene**	**36000**	**E**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**24000**	**E**
53-70-3	**Dibenzo(a,h)anthracene**	**31000**	**E**
191-24-2	**Benzo(g,h,i)perylene**	**26000**	**E**

1F

SAMPLE NO.

SB-1 (4-6)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73139

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~Unknown~~	~~1.42~~	~~1700~~	~~JB~~
~~2.~~	~~010574-37-5~~	~~2-Pentene, 2,3-dimethyl-~~	~~1.91~~	~~48000~~	~~JBA~~
~~3.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~2.49~~	~~5300~~	~~JA~~
4.	000100-42-5	Styrene	3.42	650	J
5.		Unknown	5.13	1000	J
6.	000095-13-6	Indene	6.52	3000	J
7.		Substituted Naphthalene	11.32	1100	J
8.		Substituted Naphthalene	11.47	1700	J
9.		Substituted Naphthalene	11.52	650	J
10.		Substituted Naphthalene	11.68	930	J
11.		Substituted Naphthalene	12.64	1000	J
12.		Substituted Naphthalene	12.78	770	J
13.		Substituted Naphthalene	12.97	990	J
14.		Unknown PNA	13.52	1300	J
15.		Unknown PNA	15.24	400	J
16.		Unknown PNA	17.73	5800	J
17.		Unknown PNA	18.15	1700	J
18.		Unknown PNA	18.26	3600	J
19.		Unknown	19.24	710	J
20.		Unknown	19.29	430	J
21.		Unknown	19.98	760	J
22.		Unknown	20.37	8100	J
23.		benzo(e)pyrene	22.85	8100	J E
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80414

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	38000	U
111-44-4	bis(2-Chloroethyl)ether	38000	U
95-57-8	2-Chlorophenol	38000	U
541-73-1	1,3-Dichlorobenzene	38000	U
106-46-7	1,4-Dichlorobenzene	38000	U
95-50-1	1,2-Dichlorobenzene	38000	U
95-48-7	2-Methylphenol	38000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	38000	U
106-44-5	4-Methylphenol	38000	U
621-64-7	N-Nitroso-di-n-propylamine	38000	U
67-72-1	Hexachloroethane	38000	U
98-95-3	Nitrobenzene	38000	U
78-59-1	Isophorone	38000	U
88-75-5	2-Nitrophenol	38000	U
105-67-9	2,4-Dimethylphenol	38000	U
111-91-1	bis(2-Chloroethoxy)methane	38000	U
120-83-2	2,4-Dichlorophenol	38000	U
120-82-1	1,2,4-Trichlorobenzene	38000	U
91-20-3	**Naphthalene**	**24000**	**JD**
106-47-8	4-Chloroaniline	38000	U
87-68-3	Hexachlorobutadiene	38000	U
59-50-7	4-Chloro-3-methylphenol	38000	U
91-57-6	**2-Methylnaphthalene**	**12000**	**JD**
77-47-4	Hexachlorocyclopentadiene	38000	U
88-06-2	2,4,6-Trichlorophenol	38000	U
95-95-4	2,4,5-Trichlorophenol	94000	U
91-58-7	2-Chloronaphthalene	38000	U
88-74-4	2-Nitroaniline	94000	U
131-11-3	Dimethylphthalate	38000	U
208-96-8	**Acenaphthylene**	**24000**	**JD**
606-20-2	2,6-Dinitrotoluene	38000	U
99-09-2	3-Nitroaniline	94000	U
83-32-9	**Acenaphthene**	**5700**	**JD**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80414

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	94000	U
100-02-7	4-Nitrophenol	94000	U
132-64-9	Dibenzofuran	15000	JD
121-14-2	2,4-Dinitrotoluene	38000	U
84-66-2	Diethylphthalate	38000	U
86-73-7	Fluorene	26000	JD
7005-72-3	4-Chlorophenyl-phenylether	38000	U
100-01-6	4-Nitroaniline	94000	U
534-52-1	4,6-Dinitro-2-methylphenol	94000	U
86-30-6	N-Nitrosodiphenylamine	38000	U
101-55-3	4-Bromophenyl-phenylether	38000	U
118-74-1	Hexachlorobenzene	38000	U
87-86-5	Pentachlorophenol	94000	U
85-01-8	Phenanthrene	95000	D
120-12-7	Anthracene	39000	D
86-74-8	Carbazole	5000	JD
84-74-2	Di-n-butylphthalate	38000	U
206-44-0	Fluoranthene	200000	D
129-00-0	Pyrene	210000	D
85-68-7	Butylbenzylphthalate	38000	U
56-55-3	Benzo(a)anthracene	120000	D
91-94-1	3,3'-Dichlorobenzidine	38000	U
218-01-9	Chrysene	80000	D
117-81-7	bis(2-Ethylhexyl)phthalate	38000	U
117-84-0	Di-n-octylphthalate	38000	U UJ
205-99-2	Benzo(b)fluoranthene	98000	D J
207-08-9	Benzo(k)fluoranthene	37000	JD J
50-32-8	Benzo(a)pyrene	76000	D J
193-39-5	Indeno(1,2,3-cd)pyrene	22000	JD J
53-70-3	Dibenzo(a,h)anthracene	6400	JD J
191-24-2	Benzo(g,h,i)perylene	22000	JD J

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-1 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80414

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 12 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~1.45~~	~~53000~~	~~JBA~~
2.		Substituted Naphthalene	12.05	18000	J
3.		Unknown PAH	12.71	21000	J
4.		Unknown PAH	13.57	18000	J
5.		Unknown PAH	13.61	22000	J
6.		Unknown PAH	13.77	23000	J
7.		Unknown	14.57	31000	J
8.		Unknown PAH	14.91	30000	J
9.		Unknown PAH	14.96	36000	J
10.		Unknown PAH	15.06	77000	J
11.		Unknown PAH	15.10	24000	J
12.		Unknown PAH	15.14	30000	J
13.		Substituted Naphthalene	15.51	22000	J
14.		Unknown PAH	15.97	63000	J
15.		Unknown PAH	16.09	47000	J
16.		Unknown PAH	16.36	42000	J
17.		Unknown PAH	16.87	18000	J
18.		Unknown PAH	17.27	26000	J
19.		Unknown PAH	18.22	21000	J
20.		Unknown PAH	18.44	20000	J
21.		Unknown PAH	20.49	18000	J
22.		Unknown PAH	20.88	36000	J
23.		benzo(e) pyrene	21.13	34000	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED73129

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	**Naphthalene**	**680**	
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	**2-Methylnaphthalene**	**260**	**J**
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	**Acenaphthylene**	**440**	
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	**Acenaphthene**	**330**	**J**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED73129

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q	
51-28-5	2,4-Dinitrophenol	1100		U	
100-02-7	4-Nitrophenol	1100		U	
132-64-9	Dibenzofuran	610			
121-14-2	2,4-Dinitrotoluene	440		U	
84-66-2	Diethylphthalate	440		U	
86-73-7	Fluorene	490			
7005-72-3	4-Chlorophenyl-phenylether	440		U	
100-01-6	4-Nitroaniline	1100		U	
534-52-1	4,6-Dinitro-2-methylphenol	1100		U	
86-30-6	N-Nitrosodiphenylamine	440		U	
101-55-3	4-Bromophenyl-phenylether	440		U	
118-74-1	Hexachlorobenzene	440		U	
87-86-5	Pentachlorophenol	1100		U	
85-01-8	Phenanthrene	~~4600~~	6000	~~E~~	D
120-12-7	Anthracene	1100			
86-74-8	Carbazole	470			
84-74-2	Di-n-butylphthalate	440		U	
206-44-0	Fluoranthene	~~4100~~	5400	~~E~~	D
129-00-0	Pyrene	2800			
85-68-7	Butylbenzylphthalate	440		U	
56-55-3	Benzo(a)anthracene	1600			
91-94-1	3,3'-Dichlorobenzidine	440		U	
218-01-9	Chrysene	1400			
117-81-7	bis(2-Ethylhexyl)phthalate	440		U	
117-84-0	Di-n-octylphthalate	440		U	
205-99-2	Benzo(b)fluoranthene	1600			
207-08-9	Benzo(k)fluoranthene	250		J	
50-32-8	Benzo(a)pyrene	1000			
193-39-5	Indeno(1,2,3-cd)pyrene	560			
53-70-3	Dibenzo(a,h)anthracene	170		J	
191-24-2	Benzo(g,h,i)perylene	680			

1F

SAMPLE NO.

SB-2 (10-12)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED73129

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.08	2500	J
2.		Unknown	1.43	3300	JB
3.	000141-79-7	3-Penten-2-one, 4-methyl-	1.95	81000	JBA
4.		Unknown	2.25	1100	J
5.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	2.52	8400	JA
6.		Unknown	4.89	3500	J
7.		Unknown	5.76	1300	J
8.		Unknown	6.81	1400	J
9.		benzo(e) pyrene	22.52	750	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2DL

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED80416

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	880	U
111-44-4	bis(2-Chloroethyl)ether	880	U
95-57-8	2-Chlorophenol	880	U
541-73-1	1,3-Dichlorobenzene	880	U
106-46-7	1,4-Dichlorobenzene	880	U
95-50-1	1,2-Dichlorobenzene	880	U
95-48-7	2-Methylphenol	880	U
108-60-1	2,2'-oxybis(1-Chloropropane)	880	U
106-44-5	4-Methylphenol	880	U
621-64-7	N-Nitroso-di-n-propylamine	880	U
67-72-1	Hexachloroethane	880	U
98-95-3	Nitrobenzene	880	U
78-59-1	Isophorone	880	U
88-75-5	2-Nitrophenol	880	U
105-67-9	2,4-Dimethylphenol	880	U
111-91-1	bis(2-Chloroethoxy)methane	880	U
120-83-2	2,4-Dichlorophenol	880	U
120-82-1	1,2,4-Trichlorobenzene	880	U
91-20-3	**Naphthalene**	**610**	**JD**
106-47-8	4-Chloroaniline	880	U
87-68-3	Hexachlorobutadiene	880	U
59-50-7	4-Chloro-3-methylphenol	880	U
91-57-6	**2-Methylnaphthalene**	**330**	**JD**
77-47-4	Hexachlorocyclopentadiene	880	U
88-06-2	2,4,6-Trichlorophenol	880	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	880	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	880	U
208-96-8	**Acenaphthylene**	**350**	**JD**
606-20-2	2,6-Dinitrotoluene	880	U
99-09-2	3-Nitroaniline	2200	U
83-32-9	**Acenaphthene**	**250**	**JD**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2DL

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED80416

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	500	JD
121-14-2	2,4-Dinitrotoluene	880	U
84-66-2	Diethylphthalate	880	U
86-73-7	Fluorene	430	JD
7005-72-3	4-Chlorophenyl-phenylether	880	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine	880	U
101-55-3	4-Bromophenyl-phenylether	880	U
118-74-1	Hexachlorobenzene	880	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	6000	D
120-12-7	Anthracene	1100	D
86-74-8	Carbazole	480	JD
84-74-2	Di-n-butylphthalate	880	U
206-44-0	Fluoranthene	5400	D
129-00-0	Pyrene	6200	D
85-68-7	Butylbenzylphthalate	880	U
56-55-3	Benzo(a)anthracene	2700	D
91-94-1	3,3'-Dichlorobenzidine	880	U
218-01-9	Chrysene	2300	D
117-81-7	bis(2-Ethylhexyl)phthalate	880	U
117-84-0	Di-n-octylphthalate	880	U
205-99-2	Benzo(b)fluoranthene	4300	D
207-08-9	Benzo(k)fluoranthene	1100	D
50-32-8	Benzo(a)pyrene	2500	D
193-39-5	Indeno(1,2,3-cd)pyrene	1400	D
53-70-3	Dibenzo(a,h)anthracene	300	JD
191-24-2	Benzo(g,h,i)perylene	1800	D

1F

SAMPLE NO.

SB-2 (10-12) DI

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2 DL

Sample wt/vol: 30.3 (g/mL) g Lab File ID: ED80416

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 25 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	0.84	7100	J
2.		Unknown	1.14	4100	J
3.	000141-79-7	3-Penten-2-one, 4-methyl-	1.54	98000	JBA
4.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	1.98	9900	JBA
5.		Unknown	4.20	3900	J
6.		Unknown	5.14	1400	J
7.		Unknown	6.20	1600	J
8.		Unknown	13.29	1400	J
9.	000084-65-1	9,10-Anthracenedione	15.54	1500	J
10.		benzo(e) pyrene	21.21	1800	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (19-23)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73131

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	650	U
111-44-4	bis(2-Chloroethyl)ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	**2-Methylphenol**	**600**	**J**
108-60-1	2,2'-oxybis(1-Chloropropane)	650	U
106-44-5	**4-Methylphenol**	**1500**	
621-64-7	N-Nitroso-di-n-propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	**2,4-Dimethylphenol**	**20000**	**E** J
111-91-1	bis(2-Chloroethoxy)methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	**Naphthalene**	~~400000~~ 610000	**E** D
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	**4-Chloro-3-methylphenol**	**260**	**J**
91-57-6	**2-Methylnaphthalene**	~~80000~~ 110000	**E** D
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	1600	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	650	U
208-96-8	**Acenaphthylene**	~~150000~~ 120000	**E** D
606-20-2	2,6-Dinitrotoluene	650	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	**Acenaphthene**	**24000**	**E** J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (19-23)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73131

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q
51-28-5	2,4-Dinitrophenol	1600		U
100-02-7	4-Nitrophenol	1600		U
132-64-9	**Dibenzofuran**	**79000**		**E**
121-14-2	2,4-Dinitrotoluene	650		U
84-66-2	Diethylphthalate	650		U
86-73-7	**Fluorene**	**110000**		**E**
7005-72-3	4-Chlorophenyl-phenylether	650		U
100-01-6	4-Nitroaniline	1600		U
534-52-1	4,6-Dinitro-2-methylphenol	1600		U
86-30-6	N-Nitrosodiphenylamine	650		U
101-55-3	4-Bromophenyl-phenylether	650		U
118-74-1	Hexachlorobenzene	650		U
87-86-5	Pentachlorophenol	1600		U
85-01-8	**Phenanthrene**	~~210000~~	230000	**E**
120-12-7	**Anthracene**	76000		**E**
86-74-8	**Carbazole**	26000		**E**
84-74-2	Di-n-butylphthalate	650		U
206-44-0	**Fluoranthene**	~~98000~~	120000	**E**
129-00-0	**Pyrene**	~~84000~~	95000	**E**
85-68-7	Butylbenzylphthalate	650		U
56-55-3	**Benzo(a)anthracene**	~~43000~~	55000	**E**
91-94-1	3,3'-Dichlorobenzidine	650		U
218-01-9	**Chrysene**	~~22000~~	40000	**E**
117-81-7	**bis(2-Ethylhexyl)phthalate**	920		
117-84-0	Di-n-octylphthalate	650		U
205-99-2	**Benzo(b)fluoranthene**	~~24000~~	42000	**E**
207-08-9	**Benzo(k)fluoranthene**	5000		
50-32-8	**Benzo(a)pyrene**	~~19000~~	40000	**E**
193-39-5	**Indeno(1,2,3-cd)pyrene**	8700		**E**
53-70-3	**Dibenzo(a,h)anthracene**	4900		
191-24-2	**Benzo(g,h,i)perylene**	9200		**E**

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-2 (19-23)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73131

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.43	1300	J
2.	000141-79-7	3-Penten-2-one, 4-methyl-	1.94	34000	J
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	2.51	3600	J
4.	000108-38-3	Benzene, 1,3-dimethyl-	2.96	3700	J
5.	000106-42-3	p-Xylene	3.44	2600	J
6.	000620-14-4	Benzene, 1-ethyl-3-methyl-	5.03	1300	J
7.	000526-73-8	Benzene, 1,2,3-trimethyl-	5.21	1700	J
8.	000095-36-3	1,2,4-Trimethylbenzene	6.16	1300	J
9.	000095-13-6	Indene	6.61	20000	J
10.	017059-52-8	Benzofuran, 7-methyl-	7.39	680	J
11.	017059-52-8	Benzofuran, 7-methyl-	7.52	1900	J
12.	000767-59-9	1H-Indene, 1-methyl-	8.21	1400	J
13.		Unknown	9.02	390	J
14.		Substituted Naphthalene	10.36	8800	J
15.		Substituted Naphthalene	11.03	760	J
16.		Substituted Naphthalene	11.34	840	J
17.		Substituted Naphthalene	11.52	1400	J
18.		Unknown	12.97	450	J
19.	007320-53-8	Dibenzofuran, 4-methyl-	13.53	660	J
20.		Unknown PAH	18.51	540	J
21.	000243-17-4	11H-Benzo[b]fluorene	18.65	670	J
22.		Unknown PAH	22.30	450	J
23.		Benzo(e)pyrene	22.55	7700	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-2 (19-23) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80412

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	130000	U
111-44-4	bis(2-Chloroethyl)ether	130000	U
95-57-8	2-Chlorophenol	130000	U
541-73-1	1,3-Dichlorobenzene	130000	U
106-46-7	1,4-Dichlorobenzene	130000	U
95-50-1	1,2-Dichlorobenzene	130000	U
95-48-7	2-Methylphenol	130000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	130000	U
106-44-5	4-Methylphenol	130000	U
621-64-7	N-Nitroso-di-n-propylamine	130000	U
67-72-1	Hexachloroethane	130000	U
98-95-3	Nitrobenzene	130000	U
78-59-1	Isophorone	130000	U
88-75-5	2-Nitrophenol	130000	U
105-67-9	2,4-Dimethylphenol	18000	JD
111-91-1	bis(2-Chloroethoxy)methane	130000	U
120-83-2	2,4-Dichlorophenol	130000	U
120-82-1	1,2,4-Trichlorobenzene	130000	U
91-20-3	**Naphthalene**	**610000**	**D**
106-47-8	4-Chloroaniline	130000	U
87-68-3	Hexachlorobutadiene	130000	U
59-50-7	4-Chloro-3-methylphenol	130000	U
91-57-6	**2-Methylnaphthalene**	**110000**	**JD**
77-47-4	Hexachlorocyclopentadiene	130000	U
88-06-2	2,4,6-Trichlorophenol	130000	U
95-95-4	2,4,5-Trichlorophenol	320000	U
91-58-7	2-Chloronaphthalene	130000	U
88-74-4	2-Nitroaniline	320000	U
131-11-3	Dimethylphthalate	130000	U
208-96-8	**Acenaphthylene**	**120000**	**JD**
606-20-2	2,6-Dinitrotoluene	130000	U
99-09-2	3-Nitroaniline	320000	U
83-32-9	**Acenaphthene**	**19000**	**JD**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (19-23) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80412

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	320000	U
100-02-7	4-Nitrophenol	320000	U
132-64-9	**Dibenzofuran**	**65000**	**JD**
121-14-2	2,4-Dinitrotoluene	130000	U
84-66-2	Diethylphthalate	130000	U
86-73-7	**Fluorene**	**82000**	**JD**
7005-72-3	4-Chlorophenyl-phenylether	130000	U
100-01-6	4-Nitroaniline	320000	U
534-52-1	4,6-Dinitro-2-methylphenol	320000	U
86-30-6	N-Nitrosodiphenylamine	130000	U
101-55-3	4-Bromophenyl-phenylether	130000	U
118-74-1	Hexachlorobenzene	130000	U
87-86-5	Pentachlorophenol	320000	U
85-01-8	Phenanthrene	230000	D
120-12-7	Anthracene	81000	JD
86-74-8	**Carbazole**	**30000**	**JD**
84-74-2	Di-n-butylphthalate	130000	U
206-44-0	**Fluoranthene**	**120000**	**JD**
129-00-0	**Pyrene**	**95000**	**JD**
85-68-7	Butylbenzylphthalate	130000	U
56-55-3	**Benzo(a)anthracene**	**55000**	**JD**
91-94-1	3,3'-Dichlorobenzidine	130000	U
218-01-9	**Chrysene**	**40000**	**JD**
117-81-7	bis(2-Ethylhexyl)phthalate	130000	U
117-84-0	Di-n-octylphthalate	130000	U
205-99-2	**Benzo(b)fluoranthene**	**42000**	**JD**
207-08-9	**Benzo(k)fluoranthene**	**17000**	**JD**
50-32-8	**Benzo(a)pyrene**	**40000**	**JD**
193-39-5	Indeno(1,2,3-cd)pyrene	130000	U
53-70-3	Dibenzo(a,h)anthracene	130000	U
191-24-2	Benzo(g,h,i)perylene	130000	U

FORM I SV-I

1F

SAMPLE NO.

SB-2 (19-23) DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80412

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 49 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~1.45~~	~~120000~~	~~JBA~~
2.	000271-89-6	Benzofuran	4.99	30000	J
3.	000673-32-5	Benzene, 1-propynyl-	5.85	63000	J
4.		Substituted Naphthalene	9.45	79000	J
5.		Substituted Naphthalene	10.48	28000	J
6.		Substituted Naphthalene	10.62	31000	J
7.		Unknown PNA	15.04	48000	J
8.		benzo(e)pyrene	21.10	17000	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. SB-3 (12-14)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED73128

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-3 (12-14)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED73128

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	**Phenanthrene**	**62**	**J**
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	**Fluoranthene**	**290**	**J**
129-00-0	**Pyrene**	**400**	
85-68-7	Butylbenzylphthalate	400	U
56-55-3	**Benzo(a)anthracene**	**250**	**J**
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	**Chrysene**	**200**	**J**
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	**Benzo(b)fluoranthene**	**320**	**J**
207-08-9	**Benzo(k)fluoranthene**	**140**	**J**
50-32-8	**Benzo(a)pyrene**	**280**	**J**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**130**	**J**
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	**Benzo(g,h,i)perylene**	**140**	**J**

1F

SAMPLE NO.

SB-3 (12-14)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED73128

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.08	720	J
2.		Unknown	1.42	2800	JB
3.	010574-37-5	2-Pentene, 2,3-dimethyl-	1.94	71000	JBA
4.		Unknown	2.25	1800	J
5.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	2.51	7100	JA
6.		Unknown	4.85	1600	J
7.		Unknown	5.76	1600	J
8.		Unknown	6.81	1500	J
9.		Unknown Alkane	14.11	840	J
10.		benzo(e) pyrene	22.38	160	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-4A (13-15)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62041-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73125

Level: (low/med) LOW Date Received: 07/20/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-4A (13-15)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62041-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73125

Level: (low/med) LOW Date Received: 07/20/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	**Phenanthrene**	**64**	**J**
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	**Fluoranthene**	**46**	**J**
129-00-0	**Pyrene**	**49**	**J**
85-68-7	Butylbenzylphthalate	400	U
56-55-3	Benzo(a)anthracene	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F

SAMPLE NO.

SB-4A (13-15)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62041-1

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73125

Level: (low/med) LOW Date Received: 07/20/00

% Moisture: 17 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 07/31/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~Unknown~~	~~1.43~~	~~2800~~	~~JB~~
~~2.~~	~~010574-37-5~~	~~2-Pentene, 2,3-dimethyl~~	~~1.94~~	~~68000~~	~~JBA~~
~~3.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~2.50~~	~~7600~~	~~JA~~
4.		Unknown	4.86	1800	J
5.		Unknown	5.74	750	J
6.		Unknown Hydrocarbon	6.59	690	J
7.		Unknown Hydrocarbon	14.11	680	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73130

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	**Naphthalene**	**1600**	
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	**2-Methylnaphthalene**	**620**	
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	**Acenaphthylene**	**810**	
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	**Acenaphthene**	**770**	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73130

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	**Dibenzofuran**	**1800**	
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	**Fluorene**	**1200**	
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U UJ
86-30-6	N-Nitrosodiphenylamine	450	U UJ
101-55-3	4-Bromophenyl-phenylether	450	U UJ
118-74-1	Hexachlorobenzene	450	U UJ
87-86-5	Pentachlorophenol	1100	U UJ
85-01-8	**Phenanthrene**	**16000**	**E** J
120-12-7	**Anthracene**	**3300**	J
86-74-8	**Carbazole**	**1400**	J
84-74-2	Di-n-butylphthalate	450	U UJ
206-44-0	**Fluoranthene**	**12000**	**E** J
129-00-0	**Pyrene**	**10000**	**E** J
85-68-7	Butylbenzylphthalate	450	U UJ
56-55-3	**Benzo(a)anthracene**	**5800**	**E** J
91-94-1	3,3'-Dichlorobenzidine	450	U UJ
218-01-9	**Chrysene**	**4500**	**E** J
117-81-7	bis(2-Ethylhexyl)phthalate	450	U UJ
117-84-0	Di-n-octylphthalate	450	U UJ
205-99-2	**Benzo(b)fluoranthene**	**6600**	**E** J
207-08-9	**Benzo(k)fluoranthene**	**1000**	J
50-32-8	**Benzo(a)pyrene**	**3600**	**E** J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2300**	J
53-70-3	**Dibenzo(a,h)anthracene**	**820**	J
191-24-2	**Benzo(g,h,i)perylene**	**2600**	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED73130

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/01/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	1.08	1800	J
~~2.~~		~~Unknown~~	~~1.43~~	~~2200~~	~~JB~~
~~3.~~	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~1.96~~	~~63000~~	~~JBA~~
~~4.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~2.52~~	~~5200~~	~~JA~~
5.		Unknown	4.90	2300	J
6.		Unknown	5.77	900	J
7.		Unknown	6.82	650	J
8.		Substituted Naphthalene	11.39	1000	J
9.		Unknown PNA	14.55	91	J
10.		Unknown PNA	15.95	100	J
11.		benzo(e)pyrene	22.57	2700	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80413

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	4500	U
111-44-4	bis(2-Chloroethyl)ether	4500	U
95-57-8	2-Chlorophenol	4500	U
541-73-1	1,3-Dichlorobenzene	4500	U
106-46-7	1,4-Dichlorobenzene	4500	U
95-50-1	1,2-Dichlorobenzene	4500	U
95-48-7	2-Methylphenol	4500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4500	U
106-44-5	4-Methylphenol	4500	U
621-64-7	N-Nitroso-di-n-propylamine	4500	U
67-72-1	Hexachloroethane	4500	U
98-95-3	Nitrobenzene	4500	U
78-59-1	Isophorone	4500	U
88-75-5	2-Nitrophenol	4500	U
105-67-9	2,4-Dimethylphenol	4500	U
111-91-1	bis(2-Chloroethoxy)methane	4500	U
120-83-2	2,4-Dichlorophenol	4500	U
120-82-1	1,2,4-Trichlorobenzene	4500	U
91-20-3	**Naphthalene**	**1400**	**JD**
106-47-8	4-Chloroaniline	4500	U
87-68-3	Hexachlorobutadiene	4500	U
59-50-7	4-Chloro-3-methylphenol	4500	U
91-57-6	**2-Methylnaphthalene**	**740**	**JD**
77-47-4	Hexachlorocyclopentadiene	4500	U
88-06-2	2,4,6-Trichlorophenol	4500	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	4500	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	4500	U
208-96-8	**Acenaphthylene**	**610**	**JD**
606-20-2	2,6-Dinitrotoluene	4500	U
99-09-2	3-Nitroaniline	11000	U
83-32-9	**Acenaphthene**	**630**	**JD**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80413

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted:07/24/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	**Dibenzofuran**	**1600**	**JD**
121-14-2	2,4-Dinitrotoluene	4500	U
84-66-2	Diethylphthalate	4500	U
86-73-7	**Fluorene**	**950**	**JD**
7005-72-3	4-Chlorophenyl-phenylether	4500	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine	4500	U
101-55-3	4-Bromophenyl-phenylether	4500	U
118-74-1	Hexachlorobenzene	4500	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	Phenanthrene	16000	D
120-12-7	**Anthracene**	**3000**	**JD**
86-74-8	**Carbazole**	**1200**	**JD**
84-74-2	Di-n-butylphthalate	4500	U
206-44-0	**Fluoranthene**	**15000**	**D**
129-00-0	**Pyrene**	**17000**	**D**
85-68-7	Butylbenzylphthalate	4500	U
56-55-3	**Benzo(a)anthracene**	**7100**	**D**
91-94-1	3,3'-Dichlorobenzidine	4500	U
218-01-9	**Chrysene**	**5900**	**D**
117-81-7	bis(2-Ethylhexyl)phthalate	4500	U
117-84-0	Di-n-octylphthalate	4500	~~U~~ UJ
205-99-2	**Benzo(b)fluoranthene**	**7900**	**D J**
207-08-9	**Benzo(k)fluoranthene**	**1800**	**~~JD~~ J**
50-32-8	**Benzo(a)pyrene**	**4200**	**~~JD~~ J**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2000**	**~~JD~~ J**
53-70-3	Dibenzo(a,h)anthracene	4500	~~U~~ UJ
191-24-2	**Benzo(g,h,i)perylene**	**2200**	**~~JD~~ J**

1F

SAMPLE NO.

DUP-1 DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED80413

Level: (low/med) LOW Date Received: 07/19/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 07/24/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/04/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	0.82	7000	J
2.		Unknown	1.12	5500	J
3.		Unknown	1.47	110000	JB
4.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	1.92	10000	JBA
5.		Unknown	4.13	4100	J
6.		Unknown	5.09	1600	J
7.		Substituted Naphthalene	9.45	910	J
8.		Substituted Naphthalene	10.48	1300	J
9.		Substituted Naphthalene	10.62	1000	J
10.		Unknown PAH	13.62	1700	J
11.	000132-65-0	Dibenzothiophene	13.72	1100	J
12.		Unknown PAH	14.90	1200	J
13.		Unknown PAH	14.95	1500	J
14.	000084-65-1	9,10-Anthracenedione	15.52	2900	J
15.		Unknown PAH	16.06	980	J
16.		Unknown	21.00	9000	J
17.		benzo(e) pyrene	21.15	2900	J
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-1 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1

Sample wt/vol: 30.3 (g/mL) g Lab File ID: HP13A\0806C027

% Moisture: 12 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	19	U
319-85-7	beta-BHC	19	U
319-86-8	delta-BHC	19	U
58-89-9	gamma-BHC (Lindane)	130	
76-44-8	Heptachlor	66	P
309-00-2	Aldrin	19	U
1024-57-3	Heptachlor epoxide	240	P
959-98-8	Endosulfan I	19	U
60-57-1	Dieldrin	38	U
72-55-9	4,4'-DDE	430	P
72-20-8	Endrin	38	U
332-13-659	Endosulfan II	38	U
72-54-8	4,4'-DDD	170	P
103-10-78	Endosulfan sulfate	38	U
50-29-3	4,4'-DDT	38	U
72-43-5	Methoxychlor	190	U
53494-70-5	Endrin ketone	38	U
7421-36-3	Endrin aldehyde	38	U
5103-71-9	alpha-Chlordane	19	U
5103-7-42	gamma-Chlordane	19	U
8001-35-2	Toxaphene	1900	U
12674-11-2	Aroclor-1016	380	U
11104-28-2	Aroclor-1221	750	U
11141-16-5	Aroclor-1232	380	U
53469-21-9	Aroclor-1242	380	U
12672-29-6	Aroclor-1248	380	U
11097-69-1	Aroclor-1254	380	U
11096-82-5	Aroclor-1260	380	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-1 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-1DL

Sample wt/vol: 30.3 (g/mL) g Lab File ID: HP13A\0806C029

% Moisture: 12 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	160	UD
319-85-7	beta-BHC	160	UD
319-86-8	delta-BHC	160	UD
58-89-9	gamma-BHC (Lindane)	150	JD
76-44-8	Heptachlor	160	UD
309-00-2	Aldrin	160	UD
1024-57-3	~~Heptachlor epoxide~~	~~230~~	~~PD~~ VC
959-98-8	Endosulfan I	160	UD
60-57-1	Dieldrin	330	UD
72-55-9	~~4,4'-DDE~~	~~440~~	~~PD~~ VC
72-20-8	Endrin	330	UD
332-13-659	Endosulfan II	330	UD
72-54-8	4,4'-DDD	330	UD
103-10-78	Endosulfan sulfate	330	UD
50-29-3	4,4'-DDT	330	UD
72-43-5	Methoxychlor	1600	UD
53494-70-5	Endrin ketone	330	UD
7421-36-3	Endrin aldehyde	330	UD
5103-71-9	alpha-Chlordane	160	UD
5103-7-42	gamma-Chlordane	160	UD
8001-35-2	Toxaphene	16000	UD
12674-11-2	Aroclor-1016	3300	UD
11104-28-2	Aroclor-1221	6600	UD
11141-16-5	Aroclor-1232	3300	UD
53469-21-9	Aroclor-1242	3300	UD
12672-29-6	Aroclor-1248	3300	UD
11097-69-1	Aroclor-1254	3300	UD
11096-82-5	Aroclor-1260	3300	UD

FORM I PEST

* Sample diluted due to matrix interference.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (10-12)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0806c031

% Moisture: 25 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-2 (10-12) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-2DL

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0806c033

% Moisture: 25 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	16	UD
319-85-7	beta-BHC	16	UD
319-86-8	delta-BHC	16	UD
58-89-9	gamma-BHC (Lindane)	16	UD
76-44-8	Heptachlor	16	UD
309-00-2	Aldrin	16	UD
1024-57-3	Heptachlor epoxide	16	UD
959-98-8	Endosulfan I	16	UD
60-57-1	Dieldrin	33	UD
72-55-9	4,4'-DDE	33	UD
72-20-8	Endrin	33	UD
332-13-659	Endosulfan II	33	UD
72-54-8	4,4'-DDD	33	UD
103-10-78	Endosulfan sulfate	33	UD
50-29-3	4,4'-DDT	33	UD
72-43-5	Methoxychlor	160	UD
53494-70-5	Endrin ketone	33	UD
7421-36-3	Endrin aldehyde	33	UD
5103-71-9	alpha-Chlordane	16	UD
5103-7-42	gamma-Chlordane	16	UD
8001-35-2	Toxaphene	1600	UD
12674-11-2	Aroclor-1016	330	UD
11104-28-2	Aroclor-1221	660	UD
11141-16-5	Aroclor-1232	330	UD
53469-21-9	Aroclor-1242	330	UD
12672-29-6	Aroclor-1248	330	UD
11097-69-1	Aroclor-1254	330	UD
11096-82-5	Aroclor-1260	330	UD

FORM I PEST

* Sample diluted due to matrix interference.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-2 (19-23)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0806C035

% Moisture: 49 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	8.7	P
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	44	P
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	23	P
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	21	P
72-55-9	4,4'-DDE	99	P
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	22	P
50-29-3	4,4'-DDT	68	
72-43-5	Methoxychlor	530	EP
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	26	P
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-2 (19-23) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-3DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0806C040

% Moisture: 49 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	17	UD
319-85-7	beta-BHC	17	UD
319-86-8	delta-BHC	17	UD
58-89-9	gamma-BHC (Lindane)	17	UD
76-44-8	Heptachlor	35	~~PD~~ UJ
309-00-2	Aldrin	17	UD
1024-57-3	Heptachlor epoxide	61	~~D~~
959-98-8	Endosulfan I	17	UD
60-57-1	Dieldrin	33	UD
72-55-9	4,4'-DDE	100	~~PD~~ UJ
72-20-8	Endrin	33	UD
332-13-659	Endosulfan II	33	UD
72-54-8	4,4'-DDD	33	UD
103-10-78	Endosulfan sulfate	33	UD
50-29-3	4,4'-DDT	33	UD
~~72-43-5~~	~~Methoxychlor~~	~~630~~	~~PD~~ R
53494-70-5	Endrin ketone	33	UD
7421-36-3	Endrin aldehyde	33	UD
5103-71-9	alpha-Chlordane	17	UD
5103-7-42	gamma-Chlordane	17	UD
8001-35-2	Toxaphene	1700	UD
12674-11-2	Aroclor-1016	330	UD
11104-28-2	Aroclor-1221	660	UD
11141-16-5	Aroclor-1232	330	UD
53469-21-9	Aroclor-1242	330	UD
12672-29-6	Aroclor-1248	330	UD
11097-69-1	Aroclor-1254	330	UD
11096-82-5	Aroclor-1260	330	UD

FORM I PEST

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PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-3 (12-14)

ab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-4

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0806C042

% Moisture: 17 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-4A (13-15)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62041-1

Sample wt/vol: 30.3 (g/mL) g Lab File ID: HP13A\0806C048

% Moisture: 17 decanted: (Y/N) N Date Received: 07/20/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0806C044

% Moisture: 26 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	~~alpha-BHC~~	~~8.1~~	~~P~~
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	~~Heptachlor~~	~~9.6~~	~~P~~
309-00-2	Aldrin	1.7	U
1024-57-3	~~Heptachlor epoxide~~	~~12~~	~~P~~
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: DUP-1 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) SOIL Lab Sample ID: L62005-5DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0806C046

% Moisture: 26 decanted: (Y/N) N Date Received: 07/19/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/24/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	17	UD
319-85-7	beta-BHC	17	UD
319-86-8	delta-BHC	17	UD
58-89-9	gamma-BHC (Lindane)	17	UD
76-44-8	Heptachlor	17	UD
309-00-2	Aldrin	17	UD
1024-57-3	Heptachlor epoxide	17	UD
959-98-8	Endosulfan I	17	UD
60-57-1	Dieldrin	33	UD
72-55-9	4,4'-DDE	33	UD
72-20-8	Endrin	33	UD
332-13-659	Endosulfan II	33	UD
72-54-8	4,4'-DDD	33	UD
103-10-78	Endosulfan sulfate	33	UD
50-29-3	4,4'-DDT	33	UD
72-43-5	Methoxychlor	170	UD
53494-70-5	Endrin ketone	33	UD
7421-36-3	Endrin aldehyde	33	UD
5103-71-9	alpha-Chlordane	17	UD
5103-7-42	gamma-Chlordane	17	UD
8001-35-2	Toxaphene	1700	UD
12674-11-2	Aroclor-1016	330	UD
11104-28-2	Aroclor-1221	660	UD
11141-16-5	Aroclor-1232	330	UD
53469-21-9	Aroclor-1242	330	UD
12672-29-6	Aroclor-1248	330	UD
11097-69-1	Aroclor-1254	330	UD
11096-82-5	Aroclor-1260	330	UD

FORM I PEST

* Sample diluted due to matrix interference.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

RINSE BLANK

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L62005

Matrix: (soil/water) WATER Lab Sample ID: L62041-5

Sample wt/vol: 1050 (g/mL) mL Lab File ID: HP13A\0806C026

% Moisture: decanted: (Y/N) N Date Received: 07/20/00

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted:07/25/00

Concentrated Extract Volume: 10000(uL) Date Analyzed: 08/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
319-84-6	alpha-BHC	0.05	U
319-85-7	beta-BHC	0.05	U
319-86-8	delta-BHC	0.05	U
58-89-9	gamma-BHC (Lindane)	0.05	U
76-44-8	Heptachlor	0.05	U
309-00-2	Aldrin	0.05	U
1024-57-3	Heptachlor epoxide	0.05	U
959-98-8	Endosulfan I	0.05	U
60-57-1	Dieldrin	0.1	U
72-55-9	4,4'-DDE	0.1	U
72-20-8	Endrin	0.1	U
332-13-659	Endosulfan II	0.1	U
72-54-8	4,4'-DDD	0.1	U
103-10-78	Endosulfan sulfate	0.1	U
50-29-3	4,4'-DDT	0.1	U
72-43-5	Methoxychlor	0.48	U
53494-70-5	Endrin ketone	0.1	U
7421-36-3	Endrin aldehyde	0.1	U
5103-71-9	alpha-Chlordane	0.05	U
5103-7-42	gamma-Chlordane	0.05	U
8001-35-2	Toxaphene	4.8	U
12674-11-2	Aroclor-1016	0.95	U
11104-28-2	Aroclor-1221	1.9	U
11141-16-5	Aroclor-1232	0.95	U
53469-21-9	Aroclor-1242	0.95	U
12672-29-6	Aroclor-1248	0.95	U
11097-69-1	Aroclor-1254	0.95	U
11096-82-5	Aroclor-1260	0.95	U

FORM I PEST

NYSDEC ASP

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-1(4-6)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62005-1

Level (low/med): LOW Date Received: 07/19/00

% Solids: 88.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5110			P
7440-36-0	Antimony	1.1	U	N WS	P
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	20.5	B		P
7440-41-7	Beryllium	0.52	B	W	P
7440-43-9	Cadmium	0.45	U		P
7440-70-2	Calcium	761	B	*	P
7440-47-3	Chromium	7.5			P
7440-48-4	Cobalt	4.4	B		P
7440-50-8	Copper	27.5			P
7439-89-6	Iron	12800			P
7439-92-1	Lead	4.7		N J	P
7439-95-4	Magnesium	2090		*	P
7439-96-5	Manganese	216		*N J	P
7439-97-6	Mercury	0.057	U		AV
7440-02-0	Nickel	11.0			P
7440-09-7	Potassium	892	B		P
7782-49-2	Selenium	1.1	B		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	94.2	U		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	9.7	B		P
7440-66-6	Zinc	21.1			P
57-12-5	Cyanide	0.55	U		C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-2(10-12)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62005-2

Level (low/med): LOW Date Received: 07/19/00

% Solids: 75.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4790			P
7440-36-0	Antimony	47.3		N J	P
7440-38-2	Arsenic	19.5			P
7440-39-3	Barium	688			P
7440-41-7	Beryllium	0.54	~~B~~ U		P
7440-43-9	Cadmium	4.9			P
7440-70-2	Calcium	12700		*	P
7440-47-3	Chromium	17.7			P
7440-48-4	Cobalt	11.5	B		P
7440-50-8	Copper	2490			P
7439-89-6	Iron	62000			P
7439-92-1	Lead	1700		N J	P
7439-95-4	Magnesium	10300		*	P
7439-96-5	Manganese	3410		*N J	P
7439-97-6	Mercury	0.58			AV
7440-02-0	Nickel	88.3			P
7440-09-7	Potassium	470	B		P
7782-49-2	Selenium	6.1			P
7440-22-4	Silver	0.53	U		P
7440-23-5	Sodium	409	B		P
7440-28-0	Thallium	7.5			P
7440-62-2	Vanadium	33.5			P
7440-66-6	Zinc	3430			P
57-12-5	Cyanide	0.63	U		C

Color Before: brown Clarity Before: Texture: course

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-2(19-23)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62005-3

Level (low/med): LOW Date Received: 07/19/00

% Solids: 51.1

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8460			P
7440-36-0	Antimony	2.5	B	N J	P
7440-38-2	Arsenic	34.7			P
7440-39-3	Barium	91.8			P
7440-41-7	Beryllium	0.39	U		P
7440-43-9	Cadmium	0.79	B		P
7440-70-2	Calcium	82700		*	P
7440-47-3	Chromium	14.7			P
7440-48-4	Cobalt	8.9	B		P
7440-50-8	Copper	53.4			P
7439-89-6	Iron	27900			P
7439-92-1	Lead	67.2		N J	P
7439-95-4	Magnesium	24700		*	P
7439-96-5	Manganese	1150		*N J	P
7439-97-6	Mercury	0.26			AV
7440-02-0	Nickel	18.6			P
7440-09-7	Potassium	1050	B		P
7782-49-2	Selenium	3.7			P
7440-22-4	Silver	0.78	U		P
7440-23-5	Sodium	170	B		P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	12.2	B		P
7440-66-6	Zinc	78.0			P
57-12-5	Cyanide	14.9			C

Color Before: black Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-3(12-14)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62005-4

Level (low/med): LOW Date Received: 07/19/00

% Solids: 83.3

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5320			P
7440-36-0	Antimony	1.2	U	N UJ	P
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	24.5	B		P
7440-41-7	Beryllium	0.29	B	U	P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	28600		*	P
7440-47-3	Chromium	7.5			P
7440-48-4	Cobalt	5.0	B		P
7440-50-8	Copper	23.3			P
7439-89-6	Iron	11000			P
7439-92-1	Lead	10.3		N J	P
7439-95-4	Magnesium	11300		*	P
7439-96-5	Manganese	219		*N J	P
7439-97-6	Mercury	0.068	B		AV
7440-02-0	Nickel	10			P
7440-09-7	Potassium	1060	B		P
7782-49-2	Selenium	2.2			P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	99.9	U		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	9.7	B		P
7440-66-6	Zinc	23.9			P
57-12-5	Cyanide	22.4			C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-4A(13-15)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62041-1

Level (low/med): LOW Date Received: 07/20/00

% Solids: 83.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5090			P
7440-36-0	Antimony	1.2	U	N UJ	P
7440-38-2	Arsenic	2.0	B		P
7440-39-3	Barium	27.1	B		P
7440-41-7	Beryllium	0.30	B U		P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	30100		*	P
7440-47-3	Chromium	7.9			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	15.8			P
7439-89-6	Iron	11200			P
7439-92-1	Lead	6.3		N J	P
7439-95-4	Magnesium	10600		*	P
7439-96-5	Manganese	287		*N J	P
7439-97-6	Mercury	0.060	U		AV
7440-02-0	Nickel	9.1	B		P
7440-09-7	Potassium	898	B		P
7782-49-2	Selenium	0.96	U		P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	100	U		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	9.2	B		P
7440-66-6	Zinc	20.0			P
57-12-5	Cyanide	0.51	U		C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP-1

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Soil Lab Sample ID: L62005-5

Level (low/med): LOW Date Received: 07/19/00

% Solids: 73.6

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4470			P
7440-36-0	Antimony	70.5		N J	P
7440-38-2	Arsenic	47.3			P
7440-39-3	Barium	469			P
7440-41-7	Beryllium	0.54	B	U	P
7440-43-9	Cadmium	2.6			P
7440-70-2	Calcium	17300		*	P
7440-47-3	Chromium	19.0			P
7440-48-4	Cobalt	10.3	B		P
7440-50-8	Copper	1020			P
7439-89-6	Iron	79000			P
7439-92-1	Lead	14600		N J	P
7439-95-4	Magnesium	3480		*	P
7439-96-5	Manganese	3220		*N J	P
7439-97-6	Mercury	0.55			AV
7440-02-0	Nickel	37.4			P
7440-09-7	Potassium	596	B		P
7782-49-2	Selenium	1.1	U		P
7440-22-4	Silver	0.54	U		P
7440-23-5	Sodium	226	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	24.9			P
7440-66-6	Zinc	1450			P
57-12-5	Cyanide	114			C

Color Before: brown Clarity Before: Texture: course

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

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NYSDEC ASP

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INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

RINSEBLANK

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62005

Matrix (soil/water): Water Lab Sample ID: L62041-5

Level (low/med): LOW Date Received: 07/20/00

% Solids:

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	87.0	B	NJ	P
7440-36-0	Antimony	5.0	U	UJ	P
7440-38-2	Arsenic	4.0	U	N	P
7440-39-3	Barium	1.1	B		P
7440-41-7	Beryllium	1.3	B		P
7440-43-9	Cadmium	2.0	U	N	P
7440-70-2	Calcium	23.0	B		P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	78.0	B	NJ	P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	32.6	B		P
7439-96-5	Manganese	2.0	U	UJ	P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	843	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	416	U		P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U	N	P
7440-66-6	Zinc	2.0	U	N	P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless Clarity Before: clear Texture:

Color After: colorless Clarity After: clear Artifacts:

Comments:

BLASLAND, BOUCK & LEE, INC.

LABORATORY DATA REVIEW REPORT

Project: NMPC - Cedar Street

Analytical Laboratory: Galson Laboratories

Laboratory Report Identification Number: L62574

Date of Laboratory Report: September 12, 2000

Date of Review: November 4, 2000

Reviewer: Linda Waters

Number of Samples: 14

Sample Matrix: soil

Date of Collection: 8/8/00 - 8/11/00

Sample Analysis: Volatiles

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	(yes)	no	not applicable
	- %Recovery, surrogate	(yes)	no	not applicable
	- %Recovery, control sample	yes	no	(not applicable)

7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes: Methylene chloride was detected in three method blanks. Data for methylene chloride have been qualified as undetected in samples SB-6(16-18), SB-6(18-20), DUP-2, SB-13(4-6) and SB-15(4-6) based on the blank content.

The %D for chloromethane and vinyl chloride were outside acceptable limits in one continuing calibration standard. Data for chloromethane and vinyl chloride have been qualified as estimated in the associated sample SB-8(6.5-8) based on the %D.

The response for one or more internal standards was below established limits in samples SB-14(5-7) and SB-14(5-7)RE. Data for all compounds quantitated under the non-compliant standards have been qualified as estimated based on the deviations.

Other than for the deviations noted in this review, all data quality parameters were within method-specified limits and the data is acceptable for use as reported by the laboratory.

Report Number: L62574

Sample Analysis: Semivolatiles

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	yes	(no)	not applicable
	- %Recovery, surrogate	yes	(no)	not applicable
	- %Recovery, control sample	yes	no	(not applicable)
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes: Although no target compounds were detected, several non-target compounds were detected in the method blank. When common to the blank and samples, their presence in the samples have been rejected.

Recovery for one surrogate was above control limits in samples SB-8(6.5-8), SB-8(6.5-8)DL, SB-15(4-6), SB-15(4-6)RE, SB-10(4-7), SB-10(4-7)DL, SB-13(4-6), SB-13(4-6)DL, SB-14(5-7), SB-14(5-7)DL and DUP-2. Since recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviations.

The non-target compounds benzo(e)pyrene was detected but not reported in the majority of the samples. The non-target data sheets have been corrected to reflect the presence.

The response for one or more internal standards was below established limits in samples SB-8(6.5-8), SB-8(6.5-8)DL, DUP-2, SB-15(4-6), SB-15(4-6)RE, SB -10(4-7), SB-10(4-7)DL, SB-13(4-6), SB13(4-6)DL, SB-14(5-7) and SB-14(5-7)DL. Data for all compounds quantitated under the non-compliant standards have been qualified as estimated based on the deviations.

Recovery for several compounds was below control limits in the matrix spike blank, however since all matrix spike and matrix spike duplicate recoveries were control limits, no data have been qualified based on the recoveries.

Other than for the deviations noted in this review, the data quality parameters were within method specifications and the data is acceptable for use as reported by the laboratory.

Report Number: L62005

Sample Analysis: Pesticides/PCB

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	(yes)	no	not applicable
	- %Recovery, surrogate	yes	(no)	not applicable
	- %Recovery, control sample	yes	no	(not applicable)
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes: Recovery for one surrogates was above control limits in several samples due to interfering peaks. No data have been qualified based on biased recoveries due to matrix interference.

Data for several compounds were rejected due to matrix interference. In all cases the interference made the determination of presence of absence of the rejected compound impossible.

Other than for the deviations noted in this review, the data quality parameters

were within method specifications and the data is acceptable for use as reported by the laboratory.

Report Number: L62005

Sample Analysis: Inorganics

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- r2, initial calibration	(yes)	no	not applicable
	- %R, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	yes	(no)	not applicable
	- %Recovery, control sample	(yes)	no	not applicable
7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	yes	(no)	not applicable
	- RPD, duplicates	yes	(no)	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes:

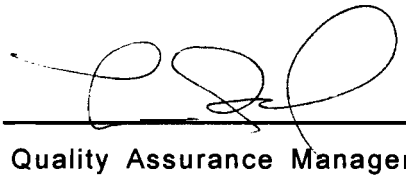
Recoveries for antimony and manganese were outside control limits in the matrix spikes. Data for antimony have been qualified as estimated in samples samples SB-10(4-7), SB-13(4-6), SB-14(5-7), SB-15(4-6), SB-8(6.5-8), SB-6(16-18), SB-6(18-20) and DUP-2 and data for manganese have been qualified as estimated in samples SB-10(4-7), SB-13(4-6), SB-14(5-7), SB-15(4-6), SB-8(6.5-8) and DUP-2 based on the recoveries.

Data for zinc was incorrectly calculated for sample SB-13(4-6). Data for the samples was manually recalculated and data corrected on the sample analysis data sheet.

The laboratory duplicate results are unacceptable for zinc. Data for zinc have been qualified as estimated in samples SB-10(4-7), SB-13(4-6), SB-14(5-7), SB-15(4-6), SB-8(6.5-8) and DUP-2 based on the duplicate results.

Other than for the deviations noted in this review, all quality control parameters were within method specifications and the data is acceptable for use as reported by the laboratory.

Reviewed and Approved:



Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

NMPC - Cedar Street

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOA	BNA	Pest	PCB	TAL	
L62574	8/8/00	1995	SB-6(16-18)	soil	no	no	yes	--	no	VOA - blank[3] BN - msb[2] TAL - ms
L62574	8/8/00	1995	SB-6(18-20)	soil	no	no	yes	--	no	VOA - blank[3] BN -msb[2] TAL - ms
L62574	8/10/00	1995	SB-8(6.5-8)	soil	yes	no	yes	--	no	BN - msb[2], int std, surr[2] TAL - ms, dup
L62574	8/10/00	1995	SB-10(4-7)	soil	yes	no	no	--	no	BN - msb[2], int std, surr[2] Pest - surr, id TAL - ms, dup
L62574	8/10/00	1995	SB-13(4-6)	soil	no	no	no	--	no	VOA - blank[3] BN - msb[2], int std, surr[2] Pest - surr[2] TAL - ms, dup
L62574	8/10/00	1995	SB-15(4-6)	soil	no	no	yes	--	no	VOA - blank[3] BN - msb[2], int std, surr[2] TAL - ms, dup
L62574	8/10/00	1995	SB-14(5-7)	soil	no	no	yes	--	no	VOA - int std BN - msb[2], int std, surr[2] Pest - id TAL - ms, dup
L62574	8/10/00	1995	DUP-2	soil	no	no	yes	--	no	VOA - blank[3] BN - msb[2], surr[2] Pest - id TAL - ms, dup
L62574	8/11/00	1995	SS-101	soil	--	--	--	yes	--	
L62574	8/11/00	1995	SS-102	soil	--	--	--	no	--	PCB - surr[2]
L62574	8/11/00	1995	SS-103	soil	--	--	--	yes	--	

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOA	BNA	Pest	PCB	TAL	
L62574	8/11/00	1995	SS-104	soil	--	--	--	yes	--	
L62574	8/11/00	1995	SS-DUP	soil	--	--	--	no	--	PCB - surr[2]
L62574	--	1995	RB-PCB	water	--	--	--	yes	--	

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
2 The noncompliance resulted in no qualification of data.
3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. SB-6 (16-18)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62574-1

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081007

Level: (low/med) LOW Date Received: 08/08/00

%Moisture: not dec. 17 Date Analyzed: 08/10/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	**Methylene Chloride**	12 ~~2~~	~~JB~~U
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-6 (16-18)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62574-1

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081007

Level: (low/med) LOW Date Received: 08/08/00

%Moisture: not dec. 17 Date Analyzed: 08/10/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 (18-20)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62574-4

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081005

Level: (low/med) LOW Date Received: 08/08/00

%Moisture: not dec. 18 Date Analyzed: 08/10/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	**Methylene Chloride**	12 ~~2~~	JBU
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

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SAMPLE NO.

SB-6 (18-20)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62574-4

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081005

Level: (low/med) LOW Date Received: 08/08/00

%Moisture: not dec. 18 Date Analyzed: 08/10/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 (6.5-8)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-1

Sample wt/vol: 2 (g/mL) g Lab File ID: CD081106

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 75 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 2.5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q	
74-87-3	Chloromethane	100	U	
74-83-9	Bromomethane	100	U	
75-01-4	Vinyl Chloride	100	U	
75-00-3	Chloroethane	100	U	
75-09-2	Methylene Chloride	100	U	
67-64-1	**Acetone**	**580**		
75-15-0	Carbon Disulfide	100	U	
75-35-4	1,1-Dichloroethene	100	U	
75-34-3	1,1-Dichloroethane	100	U	
540-59-0	1,2-Dichloroethene (Total)	100	U	
67-66-3	Chloroform	100	U	
107-06-2	1,2-Dichloroethane	100	U	
78-93-3	**2-Butanone**	**250**		
71-55-6	1,1,1-Trichloroethane	100	U	
56-23-5	Carbon Tetrachloride	100	U	
75-27-4	Bromodichloromethane	100	U	
78-87-5	1,2-Dichloropropane	100	U	
10061-01-5	cis-1,3-Dichloropropene	100	U	
79-01-6	Trichloroethene	100	U	
124-48-1	Dibromochloromethane	100	U	
79-00-5	1,1,2-Trichloroethane	100	U	
71-43-2	**Benzene**	~~7600~~ 8500	~~E~~	D
10061-02-6	trans-1,3-Dichloropropene	100	U	
75-25-2	Bromoform	100	U	
108-10-1	4-Methyl-2-Pentanone	100	U	
591-78-6	2-Hexanone	100	U	
127-18-4	Tetrachloroethene	100	U	
79-34-5	1,1,2,2-Tetrachloroethane	100	U	
108-88-3	**Toluene**	**300**		
108-90-7	Chlorobenzene	100	U	
100-41-4	**Ethylbenzene**	~~5600~~ 9200	E	D
100-42-5	Styrene	100	U	
1330-20-7	**Xylene (total)**	~~9800~~ 17000	~~E~~	D

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SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB-8 (6.5-8)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-1

Sample wt/vol: 2 (g/mL) g Lab File ID: CD081106

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 75 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 2.5

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

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C3-Substituted Benzene	27.89	1300	J
2.		Benzene, trimethyl-	28.08	2000	J
3.		Benzene, trimethyl-	29.08	4300	J
4.		Benzene, trimethyl-	30.22	1800	J
5.	000496-11-7	Indane	30.83	22000	J
6.	000095-13-6	Indene	31.41	11000	J
7.		Unknown aromatic	32.92	1300	J
8.		Unknown aromatic	33.22	1600	J
9.	000091-20-3	Naphthalene	36.57	14000	J
10.	000270-82-6	Benzo[c]thiophene	36.99	1900	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 (6.5-8) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-1DL

Sample wt/vol: 4 (g/mL) g Lab File ID: CD081506

Level: (low/med) MED Date Received: 08/10/00

%Moisture: not dec. 75 Date Analyzed: 08/15/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	5000	~~U~~ UJ
74-83-9	Bromomethane	5000	U
75-01-4	Vinyl Chloride	5000	~~U~~ UJ
75-00-3	Chloroethane	5000	U
75-09-2	**Methylene Chloride**	**1100**	**JD**
67-64-1	Acetone	5000	U
75-15-0	Carbon Disulfide	5000	U
75-35-4	1,1-Dichloroethene	5000	U
75-34-3	1,1-Dichloroethane	5000	U
540-59-0	1,2-Dichloroethene (Total)	5000	U
67-66-3	Chloroform	5000	U
107-06-2	1,2-Dichloroethane	5000	U
78-93-3	**2-Butanone**	**2900**	**JD**
71-55-6	1,1,1-Trichloroethane	5000	U
56-23-5	Carbon Tetrachloride	5000	U
75-27-4	Bromodichloromethane	5000	U
78-87-5	1,2-Dichloropropane	5000	U
10061-01-5	cis-1,3-Dichloropropene	5000	U
79-01-6	Trichloroethene	5000	U
124-48-1	Dibromochloromethane	5000	U
79-00-5	1,1,2-Trichloroethane	5000	U
71-43-2	**Benzene**	**8500**	**D**
10061-02-6	trans-1,3-Dichloropropene	5000	U
75-25-2	Bromoform	5000	U
108-10-1	4-Methyl-2-Pentanone	5000	U
591-78-6	2-Hexanone	5000	U
127-18-4	Tetrachloroethene	5000	U
79-34-5	1,1,2,2-Tetrachloroethane	5000	U
108-88-3	Toluene	5000	U
108-90-7	Chlorobenzene	5000	U
100-41-4	**Ethylbenzene**	**9200**	**D**
100-42-5	Styrene	5000	U
1330-20-7	**Xylene (total)**	**17000**	**D**

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-8 (6.5-8) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-1 DL

Sample wt/vol: 4 (g/mL) g Lab File ID: CD081506

Level: (low/med) MED Date Received: 08/10/00

%Moisture: not dec. 75 Date Analyzed: 08/15/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Benzene, trimethyl-	28.08	5200	J
2.		Benzene, trimethyl-	29.08	11000	J
3.		Benzene, trimethyl-	30.22	4600	J
4.	000496-11-7	Indane	30.83	67000	J
5.	000095-13-6	Indene	31.41	21000	J
6.		Unknown Aromatic	32.93	4000	J
7.		Unknown Aromatic	33.21	3900	J
8.	000874-35-1	1H-Indene, 2,3-dihydro-5-met	34.47	4100	J
9.	000091-20-3	Naphthalene	36.57	71000	J
10.	000270-82-6	Benzo[c]thiophene	37.00	5000	J
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VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-2

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081114

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 18 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	12	U
67-64-1	**Acetone**	**21**	
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (Total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	**Benzene**	**2**	**J**
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	**Toluene**	**3**	**J**
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	**Styrene**	**1**	**J**
1330-20-7	**Xylene (total)**	**4**	**J**

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-2

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081114

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 18 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000496-11-7	Indane	30.81	8	J
2.	000095-13-6	Indene	31.41	17	J
3.	~~000091-20-3~~	~~Naphthalene~~	~~36.56~~	~~290~~	~~J~~
4.		Unknown aromatic	36.97	7	J
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-3

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081108

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 26 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	**Methylene Chloride**	14 ~~2~~	~~JB~~ U
67-64-1	**Acetone**	8	J
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	**Styrene**	2	J
1330-20-7	Xylene (total)	14	U

FORM I CLP VOA

1E

SAMPLE NO.

SB-13 (4-6)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-3

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081108

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 26 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
4.					
5.					
6.					
7.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-5

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081110

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 28 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	**Acetone**	**67**	
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	**2-Butanone**	**26**	
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	**Benzene**	**33**	
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U J
591-78-6	2-Hexanone	14	U J
127-18-4	Tetrachloroethene	14	U J
79-34-5	1,1,2,2-Tetrachloroethane	14	U J
108-88-3	**Toluene**	**4**	J
108-90-7	Chlorobenzene	14	U J
100-41-4	**Ethylbenzene**	**19**	J
100-42-5	Styrene	14	U J
1330-20-7	**Xylene (total)**	**23**	J

FORM I CLP VOA

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB-14 (5-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-5

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081110

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 28 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	000099-82-1	1-Methyl-4-(1-methylethyl)-c	28.00	74	J
2.		Unknown	28.51	73	J
3.		C3-Substituted Benzene	28.67	98	J
4.		Benzene, trimethyl-	30.21	160	J
5.	000496-11-7	Indane	30.82	2900	J
6.	000095-13-6	Indene	31.40	150	J
7.	000767-58-8	Indan, 1-methyl-	32.30	57	J
8.		Unknown Aromatic	32.93	87	J
9.		Unknown Aromatic	33.24	61	J
10.	000824-22-6	1H-Indene, 2,3-dihydro-4-met	34.45	150	J
11.					
12.					
13.					
14.					
15.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7) RE

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-5RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081116

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 28 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene Chloride	14	U
67-64-1	**Acetone**	**110**	
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	**2-Butanone**	**42**	
71-55-6	1,1,1-Trichloroethane	14	U UJ
56-23-5	Carbon Tetrachloride	14	U UJ
75-27-4	Bromodichloromethane	14	U UJ
78-87-5	1,2-Dichloropropane	14	U UJ
10061-01-5	cis-1,3-Dichloropropene	14	U UJ
79-01-6	Trichloroethene	14	U UJ
124-48-1	Dibromochloromethane	14	U UJ
79-00-5	1,1,2-Trichloroethane	14	U UJ
71-43-2	**Benzene**	**17**	J
10061-02-6	trans-1,3-Dichloropropene	14	U UJ
75-25-2	Bromoform	14	U UJ
108-10-1	4-Methyl-2-Pentanone	14	U UJ
591-78-6	2-Hexanone	14	U UJ
127-18-4	Tetrachloroethene	14	U UJ
79-34-5	1,1,2,2-Tetrachloroethane	14	U UJ
108-88-3	**Toluene**	**3**	J J
108-90-7	Chlorobenzene	14	U UJ
100-41-4	**Ethylbenzene**	**9**	J J
100-42-5	Styrene	14	U UJ
1330-20-7	**Xylene (total)**	**14**	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-14 (5-7) RE

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-5 RE

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081116

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 28 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Hydrocarbon	28.50	96	J
2.		C3-Substituted Benzene	28.67	79	J
3.		Benzene, trimethyl-	30.20	140	J
4.	000496-11-7	Indane	30.82	2600	J
5.	000095-13-6	Indene	31.40	99	J
6.	000767-58-8	Indan, 1-methyl-	32.28	53	J
7.		Unknown Aromatic	32.91	86	J
8.		Unknown Aromatic	33.23	57	J
9.	000824-22-6	1H-Indene, 2,3-dihydro-4-met	34.46	160	J
10.	000095-15-8	Benzo[b]thiophene	36.98	54	J
11.					
12.					
13.					
14.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-4

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081404

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 29 Date Analyzed: 08/14/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	**Methylene Chloride**	14 ~~2~~	~~JB~~U
67-64-1	**Acetone**	**13**	**J**
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (Total)	14	U
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1E

SAMPLE NO.

SB-15 (4-6)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-4

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081404

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 29 Date Analyzed: 08/14/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		No Volatiles Found			
2.					
3.					
4.					
5.					
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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-6

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081111

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 21 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene Chloride	13	U
67-64-1	**Acetone**	13 ~~9~~	~~J~~ U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (Total)	13	U
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1E

SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) Soil Lab Sample ID: L62615-6

Sample wt/vol: 5 (g/mL) g Lab File ID: CD081111

Level: (low/med) LOW Date Received: 08/10/00

%Moisture: not dec. 21 Date Analyzed: 08/11/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

Number TICS found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown Aromatic	30.83	6	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 (16-18)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81206

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:08/10/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 (16-18)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81206

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:08/10/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
56-55-3	Benzo(a)anthracene	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U

1F

SAMPLE NO.

SB-6 (16-18)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81206

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 17 decanted: (Y/N) N Date Extracted:08/10/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.71	1400	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.79	67000	JBA
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.59	3600	JBA
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. SB-6 (18-20)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81209

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/10/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 (18-20)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81209

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 18 decanted: (Y/N) N Date Extracted:08/10/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
86-74-8	Carbazole	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
56-55-3	Benzo(a)anthracene	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U

1F

SAMPLE NO.

SB-6 (18-20)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-4

Sample wt/vol: 30 (g/mL) g Lab File ID: ED81209

Level: (low/med) LOW Date Received: 08/08/00

% Moisture: 18 decanted: (Y/N) N Date Extracted:08/10/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/12/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.72	1500	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.76	64000	JBA
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.58	3900	JBA
4.		Unknown Hydrocarbon	14.50	520	J
5.		Unknown	24.82	3300	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 (6.5-8)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82108

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q	
108-95-2	Phenol	1300	U	
111-44-4	bis(2-Chloroethyl)ether	1300	U	
95-57-8	2-Chlorophenol	1300	U	
541-73-1	1,3-Dichlorobenzene	1300	U	
106-46-7	1,4-Dichlorobenzene	1300	U	
95-50-1	1,2-Dichlorobenzene	1300	U	
95-48-7	2-Methylphenol	1300	U	
108-60-1	2,2'-oxybis(1-Chloropropane)	1300	U	
106-44-5	**4-Methylphenol**	**180**	**J**	
621-64-7	N-Nitroso-di-n-propylamine	1300	U	
67-72-1	Hexachloroethane	1300	U	
98-95-3	Nitrobenzene	1300	U	
78-59-1	Isophorone	1300	U	
88-75-5	2-Nitrophenol	1300	U	
105-67-9	**2,4-Dimethylphenol**	**880**	**J**	
111-91-1	bis(2-Chloroethoxy)methane	1300	U	
120-83-2	2,4-Dichlorophenol	1300	U	
120-82-1	1,2,4-Trichlorobenzene	1300	U	
91-20-3	**Naphthalene**	~~120000~~ 6200	~~E~~	D
106-47-8	4-Chloroaniline	1300	U	
87-68-3	Hexachlorobutadiene	1300	U	
59-50-7	4-Chloro-3-methylphenol	1300	U	
91-57-6	**2-Methylnaphthalene**	**2500**		
77-47-4	Hexachlorocyclopentadiene	1300	U	
88-06-2	2,4,6-Trichlorophenol	1300	U	
95-95-4	2,4,5-Trichlorophenol	3300	U	
91-58-7	2-Chloronaphthalene	1300	U	
88-74-4	2-Nitroaniline	3300	U	
131-11-3	Dimethylphthalate	1300	U	
208-96-8	**Acenaphthylene**	**1200**	**J**	
606-20-2	2,6-Dinitrotoluene	1300	U	
99-09-2	3-Nitroaniline	3300	U	
83-32-9	**Acenaphthene**	~~26000~~ 1900	~~E~~	DJ

FORM I SV-I

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. SB-8 (6.5-8)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82108

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q	
51-28-5	2,4-Dinitrophenol	3300		U	
100-02-7	4-Nitrophenol	3300		U	
132-64-9	**Dibenzofuran**	**10000**			
121-14-2	2,4-Dinitrotoluene	1300		U	
84-66-2	Diethylphthalate	1300		U	
86-73-7	**Fluorene**	~~11000~~	9400	~~E~~	DJ
7005-72-3	4-Chlorophenyl-phenylether	1300		U	
100-01-6	4-Nitroaniline	3300		U	
534-52-1	4,6-Dinitro-2-methylphenol	3300		U	
86-30-6	N-Nitrosodiphenylamine	1300		U	
101-55-3	4-Bromophenyl-phenylether	1300		U	
118-74-1	Hexachlorobenzene	1300		U	
87-86-5	Pentachlorophenol	3300		U	
85-01-8	**Phenanthrene**	~~14000~~	13000	~~E~~	DJ
120-12-7	**Anthracene**	**3300**			
86-74-8	**Carbazole**	**7200**			
84-74-2	Di-n-butylphthalate	1300		U	
206-44-0	**Fluoranthene**	**6700**			
129-00-0	**Pyrene**	**8500**		J	
85-68-7	Butylbenzylphthalate	1300		~~U~~ UJ	
56-55-3	**Benzo(a)anthracene**	**3300**		J	
91-94-1	3,3'-Dichlorobenzidine	1300		~~U~~ UJ	
218-01-9	**Chrysene**	**2700**		J	
117-81-7	bis(2-Ethylhexyl)phthalate	1300		~~U~~ UJ	
117-84-0	Di-n-octylphthalate	1300		~~U~~ UJ	
205-99-2	**Benzo(b)fluoranthene**	**2900**		J	
207-08-9	**Benzo(k)fluoranthene**	**940**		~~J~~ J	
50-32-8	**Benzo(a)pyrene**	**2300**		J	
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1000**		~~J~~ J	
53-70-3	Dibenzo(a,h)anthracene	1300		~~U~~ UJ	
191-24-2	**Benzo(g,h,i)perylene**	**900**		~~J~~ J	

1F

SAMPLE NO.

SB-8 (6.5-8)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82108

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.46	4800	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.54	220000	JBA
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.37	13000	JBA
4.		Unknown	7.35	4200	J
5.	000526-73-8	Benzene, 1,2,3-trimethyl-	8.18	3100	J
6.		Unknown C9H12	8.62	2500	J
7.	000496-11-7	Indane	8.86	27000	J
8.	000095-13-6	Indene	8.99	3400	J
9.		Substituted Naphthalene	13.39	3800	J
10.		Substituted Naphthalene	13.70	2700	J
11.		Substituted Naphthalene	13.85	4900	J
12.		Unknown	14.07	2300	J
13.		Unknown	14.11	1900	J
14.	000613-46-7	2-Naphthalenecarbonitrile	14.66	1800	J
15.	007320-53-8	Dibenzofuran, 4-methyl-	15.94	1700	J
16.	000203-64-5	4H-Cyclopenta[def]phenanthre	18.68	2000	J
17.		Unknown Hydrocarbon	19.95	4400	J
18.		Unknown	20.24	1800	J
19.		Unknown Hydrocarbon	21.43	2300	J
20.	000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,	21.46	7100	J
21.	000511-15-9	2-Phenanthrenol, 4b,5,6,7,8,	21.67	3100	J
22.		Unknown	21.77	2300	J
23.		benzo(e) pyrene	24.85	1300	J
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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 (6.5-8) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1DL

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82114

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	27000	U
111-44-4	bis(2-Chloroethyl)ether	27000	U
95-57-8	2-Chlorophenol	27000	U
541-73-1	1,3-Dichlorobenzene	27000	U
106-46-7	1,4-Dichlorobenzene	27000	U
95-50-1	1,2-Dichlorobenzene	27000	U
95-48-7	2-Methylphenol	27000	U
108-60-1	2,2'-oxybis(1-Chloropropane)	27000	U
106-44-5	4-Methylphenol	27000	U
621-64-7	N-Nitroso-di-n-propylamine	27000	U
67-72-1	Hexachloroethane	27000	U
98-95-3	Nitrobenzene	27000	U
78-59-1	Isophorone	27000	U
88-75-5	2-Nitrophenol	27000	U
105-67-9	2,4-Dimethylphenol	27000	U
111-91-1	bis(2-Chloroethoxy)methane	27000	U
120-83-2	2,4-Dichlorophenol	27000	U
120-82-1	1,2,4-Trichlorobenzene	27000	U
91-20-3	**Naphthalene**	**62000**	**D**
106-47-8	4-Chloroaniline	27000	U
87-68-3	Hexachlorobutadiene	27000	U
59-50-7	4-Chloro-3-methylphenol	27000	U
91-57-6	2-Methylnaphthalene	27000	U
77-47-4	Hexachlorocyclopentadiene	27000	U
88-06-2	2,4,6-Trichlorophenol	27000	U
95-95-4	2,4,5-Trichlorophenol	67000	U
91-58-7	2-Chloronaphthalene	27000	U
88-74-4	2-Nitroaniline	67000	U
131-11-3	Dimethylphthalate	27000	U
208-96-8	Acenaphthylene	27000	U
606-20-2	2,6-Dinitrotoluene	27000	U
99-09-2	3-Nitroaniline	67000	U
83-32-9	**Acenaphthene**	**19000**	**JD**

FORM I SV-I

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-8 (6.5-8) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1DL

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82114

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	67000	U
100-02-7	4-Nitrophenol	67000	U
132-64-9	**Dibenzofuran**	**9200**	**JD**
121-14-2	2,4-Dinitrotoluene	27000	U
84-66-2	Diethylphthalate	27000	U
86-73-7	**Fluorene**	**9400**	**JD**
7005-72-3	4-Chlorophenyl-phenylether	27000	U
100-01-6	4-Nitroaniline	67000	U
534-52-1	4,6-Dinitro-2-methylphenol	67000	U
86-30-6	N-Nitrosodiphenylamine	27000	U
101-55-3	4-Bromophenyl-phenylether	27000	U
118-74-1	Hexachlorobenzene	27000	U
87-86-5	Pentachlorophenol	67000	U
85-01-8	**Phenanthrene**	**12000**	**JD**
120-12-7	**Anthracene**	**3100**	**JD**
86-74-8	**Carbazole**	**5800**	**JD**
84-74-2	Di-n-butylphthalate	27000	U
206-44-0	**Fluoranthene**	**5100**	**JD**
129-00-0	**Pyrene**	**8200**	**JD** J
85-68-7	Butylbenzylphthalate	27000	U UJ
56-55-3	**Benzo(a)anthracene**	**2700**	**JD** J
91-94-1	3,3'-Dichlorobenzidine	27000	U UJ
218-01-9	Chrysene	27000	U UJ
117-81-7	bis(2-Ethylhexyl)phthalate	27000	U UJ
117-84-0	Di-n-octylphthalate	27000	U UJ
205-99-2	**Benzo(b)fluoranthene**	**2900**	**JD** J
207-08-9	Benzo(k)fluoranthene	27000	U UJ
50-32-8	Benzo(a)pyrene	27000	U UJ
193-39-5	Indeno(1,2,3-cd)pyrene	27000	U UJ
53-70-3	Dibenzo(a,h)anthracene	27000	U UJ
191-24-2	Benzo(g,h,i)perylene	27000	U UJ

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-8 (6.5-8) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1 DL

Sample wt/vol: 30 (g/mL) g Lab File ID: ED82114

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 75 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	4.42	140000	J
2.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.31	10000	JBA
3.		Unknown C9H10	8.83	22000	J
4.		Unknown PAH	11.13	12000	J
5.		Substituted Naphthalene	12.62	15000	J
6.		Unknown	21.41	5700	J
7.		Unknown	21.47	12000	J
8.		Unknown	24.01	12000	J
9.		Unknown	24.26	16000	J
10.		Unknown	24.37	7500	J
11.		Unknown	24.86	140000	J
12.		Unknown	25.21	11000	J
13.					
14.					
15.					
16.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82110

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	**2-Methylphenol**	**69**	**J**
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
106-44-5	**4-Methylphenol**	**270**	**J**
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	**2,4-Dimethylphenol**	**110**	**J**
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	**Naphthalene**	**3000**	
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	**2-Methylnaphthalene**	**1800**	
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	**Acenaphthylene**	**4500**	**E**
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	**Acenaphthene**	**930**	

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82110

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q	
51-28-5	2,4-Dinitrophenol	1000	U	
100-02-7	4-Nitrophenol	1000	U	
132-64-9	**Dibenzofuran**	**4200**	**E**	
121-14-2	2,4-Dinitrotoluene	400	U	
84-66-2	Diethylphthalate	400	U	
86-73-7	**Fluorene**	**4800**	**E**	
7005-72-3	4-Chlorophenyl-phenylether	400	U	
100-01-6	4-Nitroaniline	1000	U	
534-52-1	4,6-Dinitro-2-methylphenol	1000	U	
86-30-6	N-Nitrosodiphenylamine	400	U	
101-55-3	4-Bromophenyl-phenylether	400	U	
118-74-1	Hexachlorobenzene	400	U	
87-86-5	Pentachlorophenol	1000	U	
85-01-8	**Phenanthrene**	**33000**	**E**	
120-12-7	**Anthracene**	**9100**	**E**	
86-74-8	**Carbazole**	**1700**		
84-74-2	Di-n-butylphthalate	400	U	
206-44-0	**Fluoranthene**	**21000**	**E**	
129-00-0	**Pyrene**	**42000**	**E**	J
85-68-7	Butylbenzylphthalate	400	U	UJ
56-55-3	**Benzo(a)anthracene**	**11000**	**E**	J
91-94-1	3,3'-Dichlorobenzidine	400	U	UJ
218-01-9	**Chrysene**	**9300**	**E**	J
117-81-7	bis(2-Ethylhexyl)phthalate	400	U	UJ
117-84-0	Di-n-octylphthalate	400	U	UJ
205-99-2	**Benzo(b)fluoranthene**	**11000**	**E**	J
207-08-9	**Benzo(k)fluoranthene**	**3800**	**E**	J
50-32-8	**Benzo(a)pyrene**	**9200**	**E**	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**5300**	**E**	J
53-70-3	**Dibenzo(a,h)anthracene**	**810**		J
191-24-2	**Benzo(g,h,i)perylene**	**5100**	**E**	J

1F

SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82110

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.46	950	J
2.		Unknown	3.59	750	JB
3.	010574-37-5	2-Pentene, 2,3-dimethyl-	4.56	45000	JBA
4.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.38	2600	JBA
5.		Unknown	7.36	1100	J
6.		Substituted Naphthalene	12.63	1500	J
7.		Substituted Naphthalene	13.70	660	J
8.		Substituted Naphthalene	13.86	1100	J
9.		Substituted Naphthalene	13.90	740	J
10.		Substituted Naphthalene	14.08	660	J
11.	007320-53-8	Dibenzofuran, 4-methyl-	15.95	1100	J
12.		Unknown PAH	16.11	2900	J
13.		Unknown PAH	17.01	620	J
14.	000132-65-0	Dibenzothiophene	17.26	1500	J
15.		Unknown PAH	18.51	1400	J
16.		Unknown PAH	18.57	1900	J
17.		Unknown PAH	18.68	1000	J
18.		Unknown PAH	18.73	2800	J
19.		Unknown PAH	18.78	770	J
20.		Unknown PAH	19.13	1000	J
21.		Unknown PAH	19.62	690	J
22.		Unknown PAH	20.11	1700	J
23.		benzo(e)pyrene	24.89	4600	J
24.					
25.					
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27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 (4-7) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82116

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	8100	U
111-44-4	bis(2-Chloroethyl)ether	8100	U
95-57-8	2-Chlorophenol	8100	U
541-73-1	1,3-Dichlorobenzene	8100	U
106-46-7	1,4-Dichlorobenzene	8100	U
95-50-1	1,2-Dichlorobenzene	8100	U
95-48-7	2-Methylphenol	8100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	8100	U
106-44-5	4-Methylphenol	8100	U
621-64-7	N-Nitroso-di-n-propylamine	8100	U
67-72-1	Hexachloroethane	8100	U
98-95-3	Nitrobenzene	8100	U
78-59-1	Isophorone	8100	U
88-75-5	2-Nitrophenol	8100	U
105-67-9	2,4-Dimethylphenol	8100	U
111-91-1	bis(2-Chloroethoxy)methane	8100	U
120-83-2	2,4-Dichlorophenol	8100	U
120-82-1	1,2,4-Trichlorobenzene	8100	U
91-20-3	**Naphthalene**	**3200**	**JD**
106-47-8	4-Chloroaniline	8100	U
87-68-3	Hexachlorobutadiene	8100	U
59-50-7	4-Chloro-3-methylphenol	8100	U
91-57-6	**2-Methylnaphthalene**	**1700**	**JD**
77-47-4	Hexachlorocyclopentadiene	8100	U
88-06-2	2,4,6-Trichlorophenol	8100	U
95-95-4	2,4,5-Trichlorophenol	20000	U
91-58-7	2-Chloronaphthalene	8100	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	8100	U
208-96-8	**Acenaphthylene**	**4500**	**JD**
606-20-2	2,6-Dinitrotoluene	8100	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	**Acenaphthene**	**1000**	**JD**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-10 (4-7) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82116

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	**Dibenzofuran**	**3800**	JD
121-14-2	2,4-Dinitrotoluene	8100	U
84-66-2	Diethylphthalate	8100	U
86-73-7	**Fluorene**	**4500**	JD
7005-72-3	4-Chlorophenyl-phenylether	8100	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine	8100	U
101-55-3	4-Bromophenyl-phenylether	8100	U
118-74-1	Hexachlorobenzene	8100	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	**Phenanthrene**	**23000**	D
120-12-7	**Anthracene**	**7400**	JD
86-74-8	**Carbazole**	**1800**	JD
84-74-2	Di-n-butylphthalate	8100	U
206-44-0	**Fluoranthene**	**18000**	D
129-00-0	**Pyrene**	**32000**	D J
85-68-7	Butylbenzylphthalate	8100	U UJ
56-55-3	**Benzo(a)anthracene**	**11000**	D J
91-94-1	3,3'-Dichlorobenzidine	8100	U UJ
218-01-9	**Chrysene**	**9800**	D J
117-81-7	bis(2-Ethylhexyl)phthalate	8100	U UJ
117-84-0	Di-n-octylphthalate	8100	U UJ
205-99-2	**Benzo(b)fluoranthene**	**14000**	D J
207-08-9	**Benzo(k)fluoranthene**	**5800**	JD J
50-32-8	**Benzo(a)pyrene**	**12000**	D J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**6500**	JD J
53-70-3	**Dibenzo(a,h)anthracene**	**1800**	JD J
191-24-2	**Benzo(g,h,i)perylene**	**5800**	JD J

1F

SAMPLE NO.

SB-10 (4-7) DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82116

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 18 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~Unknown~~	~~3.46~~	~~1600~~	~~JB~~
~~2.~~	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~4.42~~	~~57000~~	~~JBA~~
~~3.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.31~~	~~4500~~	~~JBA~~
4.		Unknown	7.32	1800	J
5.		Unknown PAH	18.48	2000	J
6.		Unknown PAH	18.52	3200	J
7.		Unknown PAH	18.67	3900	J
8.		Unknown PAH	18.73	1800	J
9.		Unknown PAH	19.10	2500	J
10.		Unknown PAH	20.05	2500	J
11.		Unknown PAH	21.00	1900	J
12.		Unknown PAH	21.14	2100	J
13.		Unknown PAH	22.29	1700	J
14.		Unknown PAH	23.51	1700	J
15.		Unknown PAH	23.89	2500	J
16.		Unknown	23.97	4900	J
17.		Unknown	24.04	2700	J
18.		Unknown PAH	24.64	5000	J
19.		Unknown	25.45	1800	J
20.		Unknown	26.12	19000	J
21.		Unknown	26.26	2900	J
22.		Unknown PAH	26.58	1700	J
23.		benzo(e)pyrene	24.85	6000	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82111

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	2,2'-oxybis(1-Chloropropane)	450	U
106-44-5	4-Methylphenol	450	U
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	**Naphthalene**	**300**	**J**
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	**2-Methylnaphthalene**	**300**	**J**
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	450	U
208-96-8	**Acenaphthylene**	**770**	
606-20-2	2,6-Dinitrotoluene	450	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	**Acenaphthene**	**210**	**J**

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82111

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	**Dibenzofuran**	**620**	
121-14-2	2,4-Dinitrotoluene	450	U
84-66-2	Diethylphthalate	450	U
86-73-7	**Fluorene**	**850**	
7005-72-3	4-Chlorophenyl-phenylether	450	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine	450	U
101-55-3	4-Bromophenyl-phenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	**Phenanthrene**	~~**7700**~~ 6200	~~**E**~~ D
120-12-7	**Anthracene**	**2000**	
86-74-8	**Carbazole**	**430**	**J**
84-74-2	Di-n-butylphthalate	450	U
206-44-0	**Fluoranthene**	~~**6800**~~ 3600	~~**E**~~ D
129-00-0	**Pyrene**	~~**15000**~~ 10000	~~**E**~~ D
85-68-7	Butylbenzylphthalate	450	~~U~~ UJ
56-55-3	**Benzo(a)anthracene**	~~**4500**~~ 3600	~~**E**~~ DJ
91-94-1	3,3'-Dichlorobenzidine	450	~~U~~ UJ
218-01-9	**Chrysene**	~~**4000**~~ 3200	~~**E**~~ DJ
117-81-7	bis(2-Ethylhexyl)phthalate	450	~~U~~ UJ
117-84-0	Di-n-octylphthalate	450	~~U~~ UJ
205-99-2	**Benzo(b)fluoranthene**	~~**3800**~~ 3500	~~**E**~~ DJ
207-08-9	**Benzo(k)fluoranthene**	**1400**	J
50-32-8	**Benzo(a)pyrene**	**3100**	J
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1700**	J
53-70-3	**Dibenzo(a,h)anthracene**	**510**	J
191-24-2	**Benzo(g,h,i)perylene**	**1500**	J

FORM I SV-I

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

SB-13 (4-6)

ab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82111

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.47	1300	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.59	65000	JBA
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.39	3400	JBA
4.		Unknown	7.37	1600	J
5.		Unknown PAH	18.50	1100	J
6.		Unknown PAH	18.55	1600	J
7.		Unknown PAH	18.70	1500	J
8.		Substituted Naphthalene	19.11	980	J
9.		Unknown PAH	19.61	860	J
10.		Unknown PAH	20.08	1000	J
11.		Unknown PAH	21.03	310	J
12.		Benzo(e)pyrene	24.87	1600	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82117

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	4500	U
111-44-4	bis(2-Chloroethyl)ether	4500	U
95-57-8	2-Chlorophenol	4500	U
541-73-1	1,3-Dichlorobenzene	4500	U
106-46-7	1,4-Dichlorobenzene	4500	U
95-50-1	1,2-Dichlorobenzene	4500	U
95-48-7	2-Methylphenol	4500	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4500	U
106-44-5	4-Methylphenol	4500	U
621-64-7	N-Nitroso-di-n-propylamine	4500	U
67-72-1	Hexachloroethane	4500	U
98-95-3	Nitrobenzene	4500	U
78-59-1	Isophorone	4500	U
88-75-5	2-Nitrophenol	4500	U
105-67-9	2,4-Dimethylphenol	4500	U
111-91-1	bis(2-Chloroethoxy)methane	4500	U
120-83-2	2,4-Dichlorophenol	4500	U
120-82-1	1,2,4-Trichlorobenzene	4500	U
91-20-3	Naphthalene	4500	U
106-47-8	4-Chloroaniline	4500	U
87-68-3	Hexachlorobutadiene	4500	U
59-50-7	4-Chloro-3-methylphenol	4500	U
91-57-6	2-Methylnaphthalene	4500	U
77-47-4	Hexachlorocyclopentadiene	4500	U
88-06-2	2,4,6-Trichlorophenol	4500	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	4500	U
88-74-4	2-Nitroaniline	11000	U
131-11-3	Dimethylphthalate	4500	U
208-96-8	**Acenaphthylene**	**660**	**JD**
606-20-2	2,6-Dinitrotoluene	4500	U
99-09-2	3-Nitroaniline	11000	U
83-32-9	Acenaphthene	4500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82117

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	11000	U
100-02-7	4-Nitrophenol	11000	U
132-64-9	**Dibenzofuran**	**520**	**JD**
121-14-2	2,4-Dinitrotoluene	4500	U
84-66-2	Diethylphthalate	4500	U
86-73-7	**Fluorene**	**710**	**JD**
7005-72-3	4-Chlorophenyl-phenylether	4500	U
100-01-6	4-Nitroaniline	11000	U
534-52-1	4,6-Dinitro-2-methylphenol	11000	U
86-30-6	N-Nitrosodiphenylamine	4500	U
101-55-3	4-Bromophenyl-phenylether	4500	U
118-74-1	Hexachlorobenzene	4500	U
87-86-5	Pentachlorophenol	11000	U
85-01-8	**Phenanthrene**	**6200**	**D**
120-12-7	**Anthracene**	**1700**	**JD**
86-74-8	Carbazole	4500	U
84-74-2	Di-n-butylphthalate	4500	U
206-44-0	**Fluoranthene**	**5600**	**D**
129-00-0	**Pyrene**	**10000**	**D**
85-68-7	Butylbenzylphthalate	4500	U
56-55-3	**Benzo(a)anthracene**	**3600**	**JD**
91-94-1	3,3'-Dichlorobenzidine	4500	U
218-01-9	**Chrysene**	**3200**	**JD**
117-81-7	bis(2-Ethylhexyl)phthalate	4500	U
117-84-0	Di-n-octylphthalate	4500	U
205-99-2	**Benzo(b)fluoranthene**	**3500**	**JD**
207-08-9	**Benzo(k)fluoranthene**	**1400**	**JD**
50-32-8	**Benzo(a)pyrene**	**3300**	**JD**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1600**	**JD**
53-70-3	Dibenzo(a,h)anthracene	4500	U
191-24-2	**Benzo(g,h,i)perylene**	**1600**	**JD**

FORM I SV-I

1F

SAMPLE NO.

SB-13 (4-6) DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82117

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.45	2200	JB
2.		Unknown	4.43	76000	J
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.31	5200	JBA
4.		Unknown	7.32	2300	J
5.		Unknown PAH	18.53	1300	J
6.		Unknown PAH	18.67	1300	J
7.		Unknown PAH	19.10	1100	J
8.		Unknown PAH	21.00	980	J
9.		Unknown PAH	21.13	910	J
10.		benzo(e)pyrene	24.85	1600	J
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14.					
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82112

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-oxybis(1-Chloropropane)	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	**Naphthalene**	**380**	**J**
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	460	U
208-96-8	**Acenaphthylene**	**580**	
606-20-2	2,6-Dinitrotoluene	460	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	**Acenaphthene**	~~10000~~ 8700	~~E~~ D

FORM I SV-I

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82112

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg		Q	
51-28-5	2,4-Dinitrophenol	1200		U	
100-02-7	4-Nitrophenol	1200		U	
132-64-9	**Dibenzofuran**	~~6000~~	5800	~~E~~	D
121-14-2	2,4-Dinitrotoluene	460		U	
84-66-2	Diethylphthalate	460		U	
86-73-7	**Fluorene**	~~8400~~	7000	~~E~~	D
7005-72-3	4-Chlorophenyl-phenylether	460		U	
100-01-6	4-Nitroaniline	1200		U	
534-52-1	4,6-Dinitro-2-methylphenol	1200		U	
86-30-6	N-Nitrosodiphenylamine	460		U	
101-55-3	4-Bromophenyl-phenylether	460		U	
118-74-1	Hexachlorobenzene	460		U	
87-86-5	Pentachlorophenol	1200		U	
85-01-8	**Phenanthrene**	~~34000~~	23000	~~E~~	D
120-12-7	**Anthracene**	~~7500~~	6700	~~E~~	D
86-74-8	**Carbazole**	2800			
84-74-2	Di-n-butylphthalate	460		U	
206-44-0	**Fluoranthene**	~~11000~~	10000	~~E~~	D
129-00-0	**Pyrene**	~~18000~~	15000	~~E~~ J	D
85-68-7	Butylbenzylphthalate	460		U	UJ
56-55-3	**Benzo(a)anthracene**	3500			J
91-94-1	3,3'-Dichlorobenzidine	460		U	UJ
218-01-9	**Chrysene**	2700			J
117-81-7	bis(2-Ethylhexyl)phthalate	460		U	UJ
117-84-0	Di-n-octylphthalate	460		U	UJ
205-99-2	**Benzo(b)fluoranthene**	2600			J
207-08-9	**Benzo(k)fluoranthene**	1100			J
50-32-8	**Benzo(a)pyrene**	2400			J
193-39-5	**Indeno(1,2,3-cd)pyrene**	1400			J
53-70-3	**Dibenzo(a,h)anthracene**	340		J	J
191-24-2	**Benzo(g,h,i)perylene**	1200			J

FORM I SV-I

1F

SAMPLE NO.

SB-14 (5-7)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82112

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
~~1.~~		~~Unknown~~	~~3.46~~	~~1100~~	~~JB~~
~~2.~~	~~010574-37-5~~	~~2-Pentene, 2,3-dimethyl-~~	~~4.57~~	~~57000~~	~~JBA~~
~~3.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.39~~	~~3100~~	~~JBA~~
4.		Unknown	7.36	1200	J
5.	000496-11-7	Indane	8.84	690	J
6.		Unknown C10H9N	12.58	860	J
7.		Substituted Naphthalene	12.64	3400	J
8.	000827-54-3	Naphthalene, 2-ethenyl-	13.40	1300	J
9.		Substituted Naphthalene	13.71	1200	J
10.		Substituted Naphthalene	13.73	860	J
11.		Substituted Naphthalene	13.87	2700	J
12.		Substituted Naphthalene	13.91	1000	J
13.		Substituted Naphthalene	14.08	1200	J
14.		Substituted Naphthalene	14.76	780	J
15.		Substituted Naphthalene	15.18	710	J
16.		Unknown PAH	15.96	1800	J
17.		Unknown	19.53	780	J
18.		Unknown	20.25	1600	J
19.		Unknown PAH	21.18	860	J
20.		Unknown	21.66	1300	J
21.		Unknown	21.89	840	J
22.		Unknown	22.56	4000	J
23.		benzo(e)pyrene	34.87	1100	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82118

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	4600	U
111-44-4	bis(2-Chloroethyl)ether	4600	U
95-57-8	2-Chlorophenol	4600	U
541-73-1	1,3-Dichlorobenzene	4600	U
106-46-7	1,4-Dichlorobenzene	4600	U
95-50-1	1,2-Dichlorobenzene	4600	U
95-48-7	2-Methylphenol	4600	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4600	U
106-44-5	4-Methylphenol	4600	U
621-64-7	N-Nitroso-di-n-propylamine	4600	U
67-72-1	Hexachloroethane	4600	U
98-95-3	Nitrobenzene	4600	U
78-59-1	Isophorone	4600	U
88-75-5	2-Nitrophenol	4600	U
105-67-9	2,4-Dimethylphenol	4600	U
111-91-1	bis(2-Chloroethoxy)methane	4600	U
120-83-2	2,4-Dichlorophenol	4600	U
120-82-1	1,2,4-Trichlorobenzene	4600	U
91-20-3	Naphthalene	4600	U
106-47-8	4-Chloroaniline	4600	U
87-68-3	Hexachlorobutadiene	4600	U
59-50-7	4-Chloro-3-methylphenol	4600	U
91-57-6	2-Methylnaphthalene	4600	U
77-47-4	Hexachlorocyclopentadiene	4600	U
88-06-2	2,4,6-Trichlorophenol	4600	U
95-95-4	2,4,5-Trichlorophenol	12000	U
91-58-7	2-Chloronaphthalene	4600	U
88-74-4	2-Nitroaniline	12000	U
131-11-3	Dimethylphthalate	4600	U
208-96-8	**Acenaphthylene**	**560**	**JD**
606-20-2	2,6-Dinitrotoluene	4600	U
99-09-2	3-Nitroaniline	12000	U
83-32-9	**Acenaphthene**	**8700**	**D**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82118

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	12000	U
100-02-7	4-Nitrophenol	12000	U
132-64-9	**Dibenzofuran**	**5800**	**D**
121-14-2	2,4-Dinitrotoluene	4600	U
84-66-2	Diethylphthalate	4600	U
86-73-7	**Fluorene**	**7000**	**D**
7005-72-3	4-Chlorophenyl-phenylether	4600	U
100-01-6	4-Nitroaniline	12000	U
534-52-1	4,6-Dinitro-2-methylphenol	12000	U
86-30-6	N-Nitrosodiphenylamine	4600	U
101-55-3	4-Bromophenyl-phenylether	4600	U
118-74-1	Hexachlorobenzene	4600	U
87-86-5	Pentachlorophenol	12000	U
85-01-8	**Phenanthrene**	**23000**	**D**
120-12-7	**Anthracene**	**6700**	**D**
86-74-8	**Carbazole**	**3000**	**JD**
84-74-2	Di-n-butylphthalate	4600	U
206-44-0	**Fluoranthene**	**10000**	**D**
129-00-0	**Pyrene**	**15000**	**D**
85-68-7	Butylbenzylphthalate	4600	U
56-55-3	**Benzo(a)anthracene**	**3700**	**JD**
91-94-1	3,3'-Dichlorobenzidine	4600	U
218-01-9	**Chrysene**	**3000**	**JD**
117-81-7	bis(2-Ethylhexyl)phthalate	4600	U
117-84-0	Di-n-octylphthalate	4600	U
205-99-2	**Benzo(b)fluoranthene**	**3600**	**JD**
207-08-9	**Benzo(k)fluoranthene**	**1000**	**JD**
50-32-8	**Benzo(a)pyrene**	**3100**	**JD**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1500**	**JD**
53-70-3	Dibenzo(a,h)anthracene	4600	U
191-24-2	**Benzo(g,h,i)perylene**	**1300**	**JD**

1F

SAMPLE NO.

SB-14 (5-7) DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5 DL

Sample wt/vol: 30.1 (g/mL) g Lab File ID: ED82118

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 28 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.45	2000	JB
2.		Unknown	4.43	72000	J
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.31	5300	JBA
4.		Unknown	7.32	1900	JBA
5.		Substituted Naphthalene	12.61	3800	J
6.		Substituted Naphthalene	13.84	2900	J
7.		Substituted Naphthalene	14.06	1700	J
8.	000132-65-0	Dibenzothiophene	17.23	2000	J
9.		Unknown PAH	18.48	1800	J
10.		Unknown PAH	18.53	2200	J
11.		Unknown PAH	18.67	3500	J
12.		Unknown PAH	18.73	1700	J
13.		Unknown	19.00	1700	J
14.		Unknown	19.21	4600	J
15.		Unknown	19.45	22000	J
16.		Unknown	19.67	4800	J
17.		Unknown	20.05	4600	J
18.		Unknown	20.18	4100	J
19.		Unknown PAH	21.00	1800	J
20.		Unknown PAH	21.13	2000	J
21.		Unknown	22.42	2000	J
22.		Unknown	24.63	1800	J
23.		benzo(e)pyrene	24.85	3100	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82109

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	**Naphthalene**	**2100**	
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	**2-Methylnaphthalene**	**160**	**J**
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	**Acenaphthylene**	**48**	**J**
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	**Acenaphthene**	**260**	**J**

FORM I SV-I

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82109

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	84	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
86-73-7	Fluorene	150	J
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	84	J
86-74-8	Carbazole	230	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	670	
129-00-0	Pyrene	1100	J
85-68-7	Butylbenzylphthalate	470	U J
56-55-3	Benzo(a)anthracene	420	J J
91-94-1	3,3'-Dichlorobenzidine	470	U J
218-01-9	Chrysene	480	J
117-81-7	bis(2-Ethylhexyl)phthalate	470	U J
117-84-0	Di-n-octylphthalate	470	U J
205-99-2	Benzo(b)fluoranthene	710	J
207-08-9	Benzo(k)fluoranthene	230	J J
50-32-8	Benzo(a)pyrene	500	J
193-39-5	Indeno(1,2,3-cd)pyrene	290	J J
53-70-3	Dibenzo(a,h)anthracene	88	J J
191-24-2	Benzo(g,h,i)perylene	260	J J

1F

SAMPLE NO.

SB-15 (4-6)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82109

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.47	1200	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.57	55000	JBA
3.		Unknown	5.39	3100	J
4.		Unknown	7.36	890	J
5.		Unknown	9.07	650	J
6.		benzo(e) pyrene	24.85	310	J
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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 (4-6) R

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4R E

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82115

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	**Naphthalene**	**2100**	
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	**2-Methylnaphthalene**	**150**	**J**
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	470	U
208-96-8	**Acenaphthylene**	**54**	**J**
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1200	U
83-32-9	**Acenaphthene**	**260**	**J**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-15 (4-6) R

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4R

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82115

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1200	U
100-02-7	4-Nitrophenol	1200	U
132-64-9	Dibenzofuran	78	J
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
86-73-7	Fluorene	150	J
7005-72-3	4-Chlorophenyl-phenylether	470	U
100-01-6	4-Nitroaniline	1200	U
534-52-1	4,6-Dinitro-2-methylphenol	1200	U
86-30-6	N-Nitrosodiphenylamine	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	370	J
120-12-7	Anthracene	83	J
86-74-8	Carbazole	210	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	620	
129-00-0	Pyrene	1200	J
85-68-7	Butylbenzylphthalate	470	U J
56-55-3	Benzo(a)anthracene	420	J J
91-94-1	3,3'-Dichlorobenzidine	470	U J
218-01-9	Chrysene	460	J J
117-81-7	bis(2-Ethylhexyl)phthalate	470	U J
117-84-0	Di-n-octylphthalate	470	U J
205-99-2	Benzo(b)fluoranthene	790	J
207-08-9	Benzo(k)fluoranthene	220	J J
50-32-8	Benzo(a)pyrene	640	J
193-39-5	Indeno(1,2,3-cd)pyrene	400	J J
53-70-3	Dibenzo(a,h)anthracene	120	J J
191-24-2	Benzo(g,h,i)perylene	390	J J

1F

SAMPLE NO.

SB-15 (4-6) R

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4 R

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82115

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 29 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.47	1200	JB
2.	000141-79-7	3-Penten-2-one, 4-methyl-	4.56	55000	JBA
3.	000123-42-2	2-Pentanone, 4-hydroxy-4-met	5.38	3000	JBA
4.		Unknown	7.35	890	J
5.		benzoic) pyrene	24.85	340	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
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30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82113

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted: 08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
106-44-5	**4-Methylphenol**	**67**	**J**
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	**2,4-Dimethylphenol**	**50**	**J**
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	**Naphthalene**	**460**	
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	**2-Methylnaphthalene**	**500**	
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	**Acenaphthylene**	**1200**	
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U
83-32-9	**Acenaphthene**	**340**	**J**

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82113

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	**Dibenzofuran**	**920**	
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
86-73-7	**Fluorene**	**1500**	
7005-72-3	4-Chlorophenyl-phenylether	420	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	**Phenanthrene**	**12000**	**E**
120-12-7	**Anthracene**	**3200**	
86-74-8	**Carbazole**	**770**	
84-74-2	Di-n-butylphthalate	420	U
206-44-0	**Fluoranthene**	**10000**	**E**
129-00-0	**Pyrene**	**20000**	**E**
85-68-7	Butylbenzylphthalate	420	U
56-55-3	**Benzo(a)anthracene**	**5700**	**E**
91-94-1	3,3'-Dichlorobenzidine	420	U
218-01-9	**Chrysene**	**4900**	**E**
117-81-7	bis(2-Ethylhexyl)phthalate	420	U
117-84-0	Di-n-octylphthalate	420	U
205-99-2	**Benzo(b)fluoranthene**	**5000**	**E**
207-08-9	**Benzo(k)fluoranthene**	**1600**	
50-32-8	**Benzo(a)pyrene**	**4200**	**E**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2200**	
53-70-3	**Dibenzo(a,h)anthracene**	**720**	
191-24-2	**Benzo(g,h,i)perylene**	**2000**	

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82113

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/21/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.46	1300	J
~~2.~~		~~Unknown~~	~~3.58~~	~~860~~	~~JB~~
~~3.~~	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl~~	~~4.53~~	~~58000~~	~~JBA~~
~~4.~~	~~000123-42-2~~	~~2-Pentanone, 4-hydroxy-4-met~~	~~5.36~~	~~3600~~	~~JBA~~
5.		Unknown	7.36	1600	J
6.		Unknow PAH	15.94	740	J
7.	001730-37-6	9H-Fluorene, 1-methyl-	16.72	1000	J
8.		Unknown	17.00	1200	J
9.	000486-25-9	9H-Fluoren-9-one	17.10	730	J
10.		Unknown	17.22	1100	J
11.	000132-65-0	Dibenzothiophene	17.25	1100	J
12.		Unknown PAH	18.50	2300	J
13.		Unknown PAH	18.56	2800	J
14.		Unknown PAH	18.66	1700	J
15.		Unknown PAH	18.71	3600	J
16.		Unknown PAH	18.77	1500	J
17.		Unknown PAH	19.12	1600	J
18.		Unknown PAH	19.15	830	J
19.	001576-67-6	Phenanthrene, 3,6-dimethyl-	19.46	930	J
20.		Unknown PAH	19.61	1600	J
21.		Unknown	19.77	1400	J
22.		Unknown PAH	20.09	2300	J
23.		benzo(e)pyrene	24.88	2100	J
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6DL

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82222

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
108-95-2	Phenol	4200	U
111-44-4	bis(2-Chloroethyl)ether	4200	U
95-57-8	2-Chlorophenol	4200	U
541-73-1	1,3-Dichlorobenzene	4200	U
106-46-7	1,4-Dichlorobenzene	4200	U
95-50-1	1,2-Dichlorobenzene	4200	U
95-48-7	2-Methylphenol	4200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	4200	U
106-44-5	4-Methylphenol	4200	U
621-64-7	N-Nitroso-di-n-propylamine	4200	U
67-72-1	Hexachloroethane	4200	U
98-95-3	Nitrobenzene	4200	U
78-59-1	Isophorone	4200	U
88-75-5	2-Nitrophenol	4200	U
105-67-9	2,4-Dimethylphenol	4200	U
111-91-1	bis(2-Chloroethoxy)methane	4200	U
120-83-2	2,4-Dichlorophenol	4200	U
120-82-1	1,2,4-Trichlorobenzene	4200	U
91-20-3	**Naphthalene**	**510**	**JD**
106-47-8	4-Chloroaniline	4200	U
87-68-3	Hexachlorobutadiene	4200	U
59-50-7	4-Chloro-3-methylphenol	4200	U
91-57-6	**2-Methylnaphthalene**	**520**	**JD**
77-47-4	Hexachlorocyclopentadiene	4200	U
88-06-2	2,4,6-Trichlorophenol	4200	U
95-95-4	2,4,5-Trichlorophenol	10000	U
91-58-7	2-Chloronaphthalene	4200	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	4200	U
208-96-8	**Acenaphthylene**	**1300**	**JD**
606-20-2	2,6-Dinitrotoluene	4200	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	4200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6DL

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82222

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume:500 (uL) Date Analyzed: 08/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	**Dibenzofuran**	**1100**	**JD**
121-14-2	2,4-Dinitrotoluene	4200	U
84-66-2	Diethylphthalate	4200	U
86-73-7	**Fluorene**	**1800**	**JD**
7005-72-3	4-Chlorophenyl-phenylether	4200	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine	4200	U
101-55-3	4-Bromophenyl-phenylether	4200	U
118-74-1	Hexachlorobenzene	4200	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	**Phenanthrene**	**10000**	**D**
120-12-7	**Anthracene**	**3600**	**JD**
86-74-8	**Carbazole**	**920**	**JD**
84-74-2	Di-n-butylphthalate	4200	U
206-44-0	**Fluoranthene**	**12000**	**D**
129-00-0	**Pyrene**	**12000**	**D**
85-68-7	Butylbenzylphthalate	4200	U
56-55-3	**Benzo(a)anthracene**	**6400**	**D**
91-94-1	3,3'-Dichlorobenzidine	4200	U
218-01-9	**Chrysene**	**5500**	**D**
117-81-7	bis(2-Ethylhexyl)phthalate	4200	U
117-84-0	Di-n-octylphthalate	4200	U
205-99-2	**Benzo(b)fluoranthene**	**7300**	**D**
207-08-9	**Benzo(k)fluoranthene**	**2600**	**JD**
50-32-8	**Benzo(a)pyrene**	**5600**	**D**
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1700**	**JD**
53-70-3	**Dibenzo(a,h)anthracene**	**530**	**JD**
191-24-2	**Benzo(g,h,i)perylene**	**1600**	**JD**

1F

SAMPLE NO.

DUP-2 DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6 DL

Sample wt/vol: 30.2 (g/mL) g Lab File ID: ED82222

Level: (low/med) LOW Date Received: 08/10/00

% Moisture: 21 decanted: (Y/N) N Date Extracted:08/14/00

Concentrated Extract Volume: 500 (uL) Date Analyzed: 08/22/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0

Number TICS found: 21

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	3.23	1600	J
~~2.~~		~~Unknown~~	~~3.33~~	~~1400~~	~~JB~~
~~3.~~	~~000141-79-7~~	~~3-Penten-2-one, 4-methyl-~~	~~4.19~~	~~46000~~	~~JBA~~
4.		Unknown	5.09	2900	J
5.		Unknown	7.12	1700	J
6.		Unknown PAH	15.89	1000	J
7.		Unknown PAH	18.27	1900	J
8.		Unknown PAH	18.33	2600	J
9.		Unknown PAH	18.42	1200	J
10.		Unknown PAH	18.47	2900	J
11.		Unknown PAH	18.53	1900	J
12.		Unknown PAH	18.90	2000	J
13.		Unknown PAH	19.39	1400	J
14.		Unknown	19.44	1200	J
15.		Unknown PAH	19.56	900	J
16.		Unknown PAH	19.85	1700	J
17.		Unknown PAH	20.80	1600	J
18.		Unknown PAH	20.93	1300	J
19.		Unknown PAH	22.09	980	J
20.		Unknown PAH	23.32	910	J
21.		Unknown PAH	24.48	2300	J
22.		benzo(e)pyrene	24.70	3000	J
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-6 (16-18)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-1

Sample wt/vol: 30 (g/mL) g Lab File ID: HP13A\0817C021

% Moisture: 17 decanted: (Y/N) N Date Received: 08/08/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/10/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	2.0	U
319-85-7	beta-BHC	2.0	U
319-86-8	delta-BHC	2.0	U
58-89-9	gamma-BHC (Lindane)	2.0	U
76-44-8	Heptachlor	2.0	U
309-00-2	Aldrin	2.0	U
1024-57-3	Heptachlor epoxide	2.0	U
959-98-8	Endosulfan I	2.0	U
60-57-1	Dieldrin	4.0	U
72-55-9	4,4'-DDE	4.0	U
72-20-8	Endrin	4.0	U
332-13-659	Endosulfan II	4.0	U
72-54-8	4,4'-DDD	4.0	U
103-10-78	Endosulfan sulfate	4.0	U
50-29-3	4,4'-DDT	4.0	U
72-43-5	Methoxychlor	20	U
53494-70-5	Endrin ketone	4.0	U
7421-36-3	Endrin aldehyde	4.0	U
5103-71-9	alpha-Chlordane	2.0	U
5103-7-42	gamma-Chlordane	2.0	U
8001-35-2	Toxaphene	200	U
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	80	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-6 (18-20)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62574-4

Sample wt/vol: 30 (g/mL) g Lab File ID: HP13A\0817C024

% Moisture: 18 decanted: (Y/N) N Date Received: 08/08/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/10/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-8 (6.5-8)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0817C026

% Moisture: 75 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	1.6	U
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-10 (4-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2

Sample wt/vol: 30.3 (g/mL) g Lab File ID: HP13A\0817C027

% Moisture: 18 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	**gamma-BHC (Lindane)**	**7.5**	P J
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	**4,4'-DDE**	80 ~~120~~	P X JMD
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	**Endrin ketone**	230 ~~300~~	EP J JMD
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

Results may be biased high due to matrix-interference!

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-10 (4-7) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-2DL

Sample wt/vol: 30.3 (g/mL) g Lab File ID: HP13A\0817C029

% Moisture: 18 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	16	UD
319-85-7	beta-BHC	16	UD
319-86-8	delta-BHC	16	UD
58-89-9	gamma-BHC (Lindane)	16	UD
76-44-8	Heptachlor	16	UD
309-00-2	Aldrin	16	UD
1024-57-3	Heptachlor epoxide	16	UD
959-98-8	Endosulfan I	16	UD
60-57-1	Dieldrin	33	UD
72-55-9	**4,4'-DDE**	**80**	~~UD~~ JND
72-20-8	Endrin	33	UD
332-13-659	Endosulfan II	33	UD
72-54-8	4,4'-DDD	33	UD
103-10-78	Endosulfan sulfate	33	UD
50-29-3	4,4'-DDT	33	UD
72-43-5	Methoxychlor	160	UD
53494-70-5	Endrin ketone	230 ~~33~~	~~UD~~ JND
7421-36-3	Endrin aldehyde	33	UD
5103-71-9	alpha-Chlordane	16	UD
5103-7-42	gamma-Chlordane	16	UD
8001-35-2	Toxaphene	1600	UD
12674-11-2	Aroclor-1016	330	UD
11104-28-2	Aroclor-1221	660	UD
11141-16-5	Aroclor-1232	330	UD
53469-21-9	Aroclor-1242	330	UD
12672-29-6	Aroclor-1248	330	UD
11097-69-1	Aroclor-1254	330	UD
11096-82-5	Aroclor-1260	330	UD

FORM I PEST

Results may be biased high due to matrix interference

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. SB-13 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0817C030

% Moisture: 26 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.6	U
319-85-7	beta-BHC	1.6	U
319-86-8	delta-BHC	1.6	U
58-89-9	gamma-BHC (Lindane)	2.2	JP
76-44-8	Heptachlor	1.6	U
309-00-2	Aldrin	1.6	U
1024-57-3	Heptachlor epoxide	1.6	U
959-98-8	Endosulfan I	1.6	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	16	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.6	U
5103-7-42	gamma-Chlordane	1.6	U
8001-35-2	Toxaphene	160	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-13 (4-6) DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-3DL

Sample wt/vol: 30.2 (g/mL) g Lab File ID: HP13A\0817C031

% Moisture: 26 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0 *

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	16	UD
319-85-7	beta-BHC	16	UD
319-86-8	delta-BHC	16	UD
58-89-9	gamma-BHC (Lindane)	16	UD
76-44-8	Heptachlor	16	UD
309-00-2	Aldrin	16	UD
1024-57-3	Heptachlor epoxide	16	UD
959-98-8	Endosulfan I	16	UD
60-57-1	Dieldrin	33	UD
72-55-9	4,4'-DDE	33	UD
72-20-8	Endrin	33	UD
332-13-659	Endosulfan II	33	UD
72-54-8	4,4'-DDD	33	UD
103-10-78	Endosulfan sulfate	33	UD
50-29-3	4,4'-DDT	33	UD
72-43-5	Methoxychlor	160	UD
53494-70-5	Endrin ketone	33	UD
7421-36-3	Endrin aldehyde	33	UD
5103-71-9	alpha-Chlordane	16	UD
5103-7-42	gamma-Chlordane	16	UD
8001-35-2	Toxaphene	1600	UD
12674-11-2	Aroclor-1016	330	UD
11104-28-2	Aroclor-1221	660	UD
11141-16-5	Aroclor-1232	330	UD
53469-21-9	Aroclor-1242	330	UD
12672-29-6	Aroclor-1248	330	UD
11097-69-1	Aroclor-1254	330	UD
11096-82-5	Aroclor-1260	330	UD

FORM I PEST

* Diluted due to matrix interference.

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

SB-14 (5-7)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-5

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0817C041

% Moisture: 28 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	**delta-BHC**	**9.4**	
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	**4,4'-DDE**	**5.4**	
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
~~72-43-5~~	~~Methoxychlor~~	~~15~~	~~UP~~
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

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FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: SB-15 (4-6)

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-4

Sample wt/vol: 30.1 (g/mL) g Lab File ID: HP13A\0817C032

% Moisture: 29 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	66	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-2

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 2 SAS No.: SDG No.: L62574

Matrix: (soil/water) SOIL Lab Sample ID: L62615-6

Sample wt/vol: 30 (g/mL) g Lab File ID: HP13A\0817C043

% Moisture: 21 decanted: (Y/N) N Date Received: 08/10/00

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/14/00

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 08/18/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
332-13-659	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
103-10-78	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	27	~~P~~ J
53494-70-5	Endrin ketone	3.3	U
7421-36-3	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-7-42	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

Results may be biased high due to matrix-interference!

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-6(16-18)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62574-1

Level (low/med): LOW Date Received: 08/08/00

% Solids: 82.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5120			P
7440-36-0	Antimony	1.2	U	N	P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	24.0	B		P
7440-41-7	Beryllium	0.40	B		P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	51400		*	P
7440-47-3	Chromium	7.6			P
7440-48-4	Cobalt	6.5	B		P
7440-50-8	Copper	21.4		*	P
7439-89-6	Iron	13500			P
7439-92-1	Lead	5.3		*	P
7439-95-4	Magnesium	20000		*	P
7439-96-5	Manganese	488		N	P
7439-97-6	Mercury	0.060	U	*	AV
7440-02-0	Nickel	12.0			P
7440-09-7	Potassium	936	B		P
7782-49-2	Selenium	0.97	U		P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	110	B		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	10.0	B		P
7440-66-6	Zinc	25.7		*	P
57-12-5	Cyanide	1.2			C

Color Before: brown Clarity Before: Texture: med

Color After: light yell Clarity After: clear Artifacts: small

Comments:

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NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-6(18-20)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62574-4

Level (low/med): LOW Date Received: 08/08/00

% Solids: 82.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3380			P
7440-36-0	Antimony	1.2	U	N UJ	P
7440-38-2	Arsenic	1.6	B		P
7440-39-3	Barium	16.3	B		P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	0.48	U		P
7440-70-2	Calcium	52700		*	P
7440-47-3	Chromium	5.2			P
7440-48-4	Cobalt	4.9	B		P
7440-50-8	Copper	16.5		*	P
7439-89-6	Iron	10000			P
7439-92-1	Lead	4.0		*	P
7439-95-4	Magnesium	21500		*	P
7439-96-5	Manganese	377		N	P
7439-97-6	Mercury	0.16		*	AV
7440-02-0	Nickel	8.6	B		P
7440-09-7	Potassium	709	B		P
7782-49-2	Selenium	0.97	U		P
7440-22-4	Silver	0.48	U		P
7440-23-5	Sodium	129	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	7.8	B		P
7440-66-6	Zinc	19.8		*	P
57-12-5	Cyanide	2.7			C

Color Before: brown Clarity Before: Texture: fine

Color After: light yell Clarity After: clear Artifacts: none

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-8(6.5-8)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-1

Level (low/med): LOW Date Received: 08/10/00

% Solids: 25.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1210			P
7440-36-0	Antimony	2.0	U	N UJ	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	140			P
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	0.80	U		P
7440-70-2	Calcium	21600		*	P
7440-47-3	Chromium	2.9	B		P
7440-48-4	Cobalt	0.83	B		P
7440-50-8	Copper	14.1		*	P
7439-89-6	Iron	18700			P
7439-92-1	Lead	4.5		*	P
7439-95-4	Magnesium	917	B	*	P
7439-96-5	Manganese	573		N J	P
7439-97-6	Mercury	0.20	B	*	AV
7440-02-0	Nickel	2.3	B		P
7440-09-7	Potassium	146	U		P
7782-49-2	Selenium	2.6			P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	166	U		P
7440-28-0	Thallium	2.4	U		P
7440-62-2	Vanadium	2.4	B		P
7440-66-6	Zinc	10.6		* J	P
57-12-5	Cyanide	1.9	U		C

Color Before: dark brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

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NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-10(4-7)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-2

Level (low/med): LOW Date Received: 08/10/00

% Solids: 82.2

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2500			P
7440-36-0	Antimony	0.61	U	N UJ	P
7440-38-2	Arsenic	2.5			P
7440-39-3	Barium	12.1	B		P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.83			P
7440-70-2	Calcium	12000		*	P
7440-47-3	Chromium	5.1			P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	26.2		*	P
7439-89-6	Iron	7990			P
7439-92-1	Lead	17.0		*	P
7439-95-4	Magnesium	4540		*	P
7439-96-5	Manganese	103		N J	P
7439-97-6	Mercury	0.13		*	AV
7440-02-0	Nickel	11.7			P
7440-09-7	Potassium	487	B		P
7782-49-2	Selenium	0.49	U		P
7440-22-4	Silver	0.24	U		P
7440-23-5	Sodium	268	B		P
7440-28-0	Thallium	0.73	U		P
7440-62-2	Vanadium	4.8	B		P
7440-66-6	Zinc	2210		* J	P
57-12-5	Cyanide	3.6			C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: small

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-13(4-6)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-3

Level (low/med): LOW Date Received: 8/10/00

% Solids: 74.5

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3150			P
7440-36-0	Antimony	5.5	B	N J	P
7440-38-2	Arsenic	6.9			P
7440-39-3	Barium	34.6			P
7440-41-7	Beryllium	0.28	B		P
7440-43-9	Cadmium	8.5			P
7440-70-2	Calcium	9440		*	P
7440-47-3	Chromium	17.2			P
7440-48-4	Cobalt	3.7	B		P
7440-50-8	Copper	74.3		*	P
7439-89-6	Iron	21000			P
7439-92-1	Lead	374		*	P
7439-95-4	Magnesium	4060		*	P
7439-96-5	Manganese	172		N J	P
7439-97-6	Mercury	0.34		*	AV
7440-02-0	Nickel	10.4			P
7440-09-7	Potassium	552	B		P
7782-49-2	Selenium	1.2			P
7440-22-4	Silver	0.27	U		P
7440-23-5	Sodium	859			P
7440-28-0	Thallium	0.81	U		P
7440-62-2	Vanadium	8.2			P
7440-66-6	Zinc	9040 ~~90.4~~		* J	P
57-12-5	Cyanide	0.86			C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

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NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-14(5-7)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-5

Level (low/med): LOW Date Received: 08/10/00

% Solids: 72.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3580			P
7440-36-0	Antimony	0.69	U	N UJ	P
7440-38-2	Arsenic	1.5			P
7440-39-3	Barium	38.8			P
7440-41-7	Beryllium	0.24	B		P
7440-43-9	Cadmium	1.3			P
7440-70-2	Calcium	5760		*	P
7440-47-3	Chromium	4.5			P
7440-48-4	Cobalt	3.3	B		P
7440-50-8	Copper	15.3		*	P
7439-89-6	Iron	7550			P
7439-92-1	Lead	168		*	P
7439-95-4	Magnesium	2710		*	P
7439-96-5	Manganese	106		N J	P
7439-97-6	Mercury	1.5		*	AV
7440-02-0	Nickel	9.0			P
7440-09-7	Potassium	522	B		P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.28	U		P
7440-23-5	Sodium	193	B		P
7440-28-0	Thallium	0.83	U		P
7440-62-2	Vanadium	8.5			P
7440-66-6	Zinc	1360		* J	P
57-12-5	Cyanide	0.68	U		C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

SB-15(4-6)

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-4

Level (low/med): LOW Date Received: 08/10/00

% Solids: 70.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3960			P
7440-36-0	Antimony	0.71	U	N UJ	P
7440-38-2	Arsenic	2.2			P
7440-39-3	Barium	22.6	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.28	U		P
7440-70-2	Calcium	5060		*	P
7440-47-3	Chromium	5.1			P
7440-48-4	Cobalt	3.2	B		P
7440-50-8	Copper	21.4		*	P
7439-89-6	Iron	8410			P
7439-92-1	Lead	28.8		*	P
7439-95-4	Magnesium	3090		*	P
7439-96-5	Manganese	122		N J	P
7439-97-6	Mercury	0.41		*	AV
7440-02-0	Nickel	8.6			P
7440-09-7	Potassium	542	B		P
7782-49-2	Selenium	0.56	U		P
7440-22-4	Silver	0.28	U		P
7440-23-5	Sodium	159	B		P
7440-28-0	Thallium	0.85	U		P
7440-62-2	Vanadium	7.0	B		P
7440-66-6	Zinc	1900		* J	P
57-12-5	Cyanide	1.1			C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

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NYSDEC ASP

1

INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DUP-2

Lab Name: Galson Laboratories Contract: BBL

Lab Code: 11626 Case No.: SAS No.: SDG No.: L62574

Matrix (soil/water): Soil Lab Sample ID: L62615-6

Level (low/med): LOW Date Received: 8/10/00

% Solids: 78.9

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3400			P
7440-36-0	Antimony	2.9	B	N J	P
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	26.9			P
7440-41-7	Beryllium	0.29	B		P
7440-43-9	Cadmium	10.6			P
7440-70-2	Calcium	11900		*	P
7440-47-3	Chromium	14.3			P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	77.9		*	P
7439-89-6	Iron	20200			P
7439-92-1	Lead	219		*	P
7439-95-4	Magnesium	6280		*	P
7439-96-5	Manganese	159		N J	P
7439-97-6	Mercury	0.23		*	AV
7440-02-0	Nickel	8.7			P
7440-09-7	Potassium	564	B		P
7782-49-2	Selenium	1.4			P
7440-22-4	Silver	0.25	U		P
7440-23-5	Sodium	793			P
7440-28-0	Thallium	0.76	U		P
7440-62-2	Vanadium	8.0			P
7440-66-6	Zinc	8360		* J	P
57-12-5	Cyanide	0.62	U		C

Color Before: brown Clarity Before: Texture: med

Color After: yellow Clarity After: clear Artifacts: rocks

Comments:

FORM I - IN

10/95

BLASLAND, BOUCK & LEE, INC.

LABORATORY DATA REVIEW REPORT

Project: NMPC - Cedar Street

Analytical Laboratory: Galson Laboratories

Laboratory Report Identification Number: L66535

Date of Laboratory Report: January 8, 2001

Date of Review: February 17, 2001

Reviewer: Laurie Indick

Number of Samples: 6

Sample Matrix: soil

Date of Collection: 12/07/00

Sample Analysis: PAH

Quality Control Checks

1.	Field Chain-of-Custody complete	(yes)	no	not applicable
2.	Proper methods for analysis used	(yes)	no	not applicable
3.	All documentation supplied	(yes)	no	not applicable
4.	Samples analyzed within specified holding times	(yes)	no	not applicable
5.	The minimum number of field and laboratory QC samples analyzed	(yes)	no	not applicable
6.	Laboratory accuracy maintained within established ranges for the following:			
	- %RSD, initial calibration	(yes)	no	not applicable
	- %D, continuing calibration	(yes)	no	not applicable
	- %Recovery, matrix spike	(yes)	no	not applicable
	- %Recovery, blank spike	yes	(no)	not applicable
	- %Recovery, surrogate	yes	(no)	not applicable
	- %Recovery, control sample	yes	no	(not applicable)

7.	Laboratory precision maintained within established ranges for the following:			
	- RPD, matrix spike	(yes)	no	not applicable
	- RPD, duplicates	(yes)	no	not applicable
8.	Target analyte concentrations below detection limit in all blank samples	(yes)	no	not applicable

Notes:

Recovery for one surrogate was outside control limits in samples TP-3-8-6 and TP-4-10-6. Since recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviations.

The response for one or more internal standards were below established limits in all samples. Data for all compounds quantitated under the noncompliant standards have either been qualified as estimated or rejected, depending on the severity of the deviation.

The recovery for acenaphthylene was above control limits in the matrix spike blank. No action has been taken as a result of this deficiency since acceptable recoveries were demonstrated in the matrix spike/matrix spike duplicate.

Other than for the deviations noted in this review, all data quality parameters were within method-specified limits and the data is acceptable for use as reported by the laboratory.

Reviewed and Approved:

Quality Assurance Manager

Project Manager

SAMPLE COMPLIANCE REPORT

NMPC - Cedar Street

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliancy[1]				Noncompliance
					VOA	BNA	PCB	Cn	
L62197	12/07/00	1995	TP-2-11-3	soil	--	no	--	--	BN - int std.
L62197	12/07/00	1995	TP-3-8-6	soil	--	no	--	--	BN - surr[2], int std
L62197	12/07/00	1995	TP-4-3-3	soil	--	no	--	--	BN - int std.
L62197	12/07/00	1995	TP-4-10-6	soil	--	no	--	--	BN - surr[2], int std
L62197	12/07/00	1995	TP-5-15-5	soil	--	no	--	--	BN - int std.
L62197	12/07/00	1995	DUP-1	soil	--	no	--	--	BN - int std.

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
2 The noncompliance resulted in no qualification of data.
3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-8

Sample wt/vol: 31.25 (g/mL) g Lab File ID: ED121315

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 27 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	89	J
91-57-6	2-Methylnaphthalene	440	U
208-96-8	Acenaphthylene	300	J
83-32-9	Acenaphthene	440	U
86-73-7	Fluorene	92	J
85-01-8	Phenanthrene	2800	
120-12-7	Anthracene	530	
206-44-0	Fluoranthene	8300	EJ
129-00-0	Pyrene	9700	E
56-55-3	Benzo(a)anthracene	~~5200~~ 5300	EJ
218-01-9	Chrysene	~~4300~~ 5300	EJ
205-99-2	Benzo(b)fluoranthene	~~7000~~ 7800	EJ
207-08-9	Benzo(k)fluoranthene	1400	J
50-32-8	Benzo(a)pyrene	~~4300~~ 5300	EJ
193-39-5	Indeno(1,2,3-cd)pyrene	2600	J
53-70-3	Dibenzo(a,h)anthracene	380	J
191-24-2	Benzo(g,h,i)perylene	2900	J

FORM I SV-I

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-8DL

Sample wt/vol: 31.25 (g/mL) g Lab File ID: ED121311

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 27 decanted: (Y/N) N Date Extracted: 12/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	4400	U D
91-57-6	2-Methylnaphthalene	4400	U D
208-96-8	Acenaphthylene	4400	U D
83-32-9	Acenaphthene	4400	U D
86-73-7	Fluorene	4400	U D
85-01-8	Phenanthrene	1600	JD
120-12-7	Anthracene	440	JD
206-44-0	Fluoranthene	4000	JD
129-00-0	Pyrene	9700	D
56-55-3	Benzo(a)anthracene	5800	DJ
218-01-9	Chrysene	5300	DJ
205-99-2	Benzo(b)fluoranthene	7800	DJ
207-08-9	Benzo(k)fluoranthene	3100	JD
50-32-8	Benzo(a)pyrene	5900	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	4700	DJ
53-70-3	Dibenzo(a,h)anthracene	930	JD
191-24-2	Benzo(g,h,i)perylene	6500	DJ

FORM I SV-I

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO. TP-2-11-3

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-1

Sample wt/vol: 31.3 (g/mL) g Lab File ID: ED121317

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	110	J
91-57-6	2-Methylnaphthalene	430	U
208-96-8	Acenaphthylene	320	J
83-32-9	Acenaphthene	430	U
86-73-7	Fluorene	89	J
85-01-8	Phenanthrene	3000	
120-12-7	Anthracene	580	
206-44-0	Fluoranthene	8100	EJ
129-00-0	Pyrene	~~9900~~ 7900	~~E~~ D
56-55-3	Benzo(a)anthracene	~~4200~~ 5000	~~EJ~~ DJ
218-01-9	Chrysene	~~3600~~ 4200	~~EJ~~ DJ
205-99-2	Benzo(b)fluoranthene	~~5200~~ 7000	~~EJ~~ DJ
207-08-9	Benzo(k)fluoranthene	1400	J
50-32-8	Benzo(a)pyrene	~~3800~~ 5100	~~EJ~~ DJ
193-39-5	Indeno(1,2,3-cd)pyrene	2700	J
53-70-3	Dibenzo(a,h)anthracene	380	J
191-24-2	Benzo(g,h,i)perylene	3000	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.: TP-2-11-3 DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-1DL

Sample wt/vol: 31.3 (g/mL) g Lab File ID: ED121313

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 12/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	4300	U D
91-57-6	2-Methylnaphthalene	4300	U D
208-96-8	Acenaphthylene	4300	U D
83-32-9	Acenaphthene	4300	U D
86-73-7	Fluorene	4300	U D
85-01-8	Phenanthrene	1600	JD
120-12-7	Anthracene	450	JD
206-44-0	Fluoranthene	3900	JD
129-00-0	Pyrene	7900	D
56-55-3	Benzo(a)anthracene	5000	DJ
218-01-9	Chrysene	4200	JD
205-99-2	Benzo(b)fluoranthene	7000	DJ
207-08-9	Benzo(k)fluoranthene	4200	JD
50-32-8	Benzo(a)pyrene	5100	DJ
193-39-5	Indeno(1,2,3-cd)pyrene	3600	JD
53-70-3	Dibenzo(a,h)anthracene	760	JD
191-24-2	Benzo(g,h,i)perylene	4700	DJ

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-3-8-6

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-2

Sample wt/vol: 31.3 (g/mL) g Lab File ID: ED121314

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 38 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	520	U
91-57-6	2-Methylnaphthalene	520	U
208-96-8	Acenaphthylene	66	J
83-32-9	Acenaphthene	190	J
86-73-7	Fluorene	220	J
85-01-8	Phenanthrene	380	J
120-12-7	Anthracene	260	J
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	1400	
56-55-3	Benzo(a)anthracene	740	J
218-01-9	Chrysene	660	J
205-99-2	Benzo(b)fluoranthene	860	J
207-08-9	Benzo(k)fluoranthene	310	J
50-32-8	Benzo(a)pyrene	830	J
193-39-5	Indeno(1,2,3-cd)pyrene	500	J
53-70-3	Dibenzo(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	400	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-3-8-6 R

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-2R

Sample wt/vol: 31.3 (g/mL) g Lab File ID: ED121318

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 38 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	520	U
91-57-6	2-Methylnaphthalene	520	U
208-96-8	Acenaphthylene	79	J
83-32-9	Acenaphthene	180	J
86-73-7	Fluorene	230	J
85-01-8	Phenanthrene	390	J
120-12-7	Anthracene	280	J
206-44-0	Fluoranthene	1400	
129-00-0	Pyrene	1500	
56-55-3	Benzo(a)anthracene	720	
218-01-9	Chrysene	510	J
205-99-2	Benzo(b)fluoranthene	760	
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	600	
193-39-5	Indeno(1,2,3-cd)pyrene	300	J
53-70-3	Dibenzo(a,h)anthracene	100	J
191-24-2	Benzo(g,h,i)perylene	400	J

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-4-10-6

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-4

Sample wt/vol: 31.42 (g/mL) g Lab File ID: ED121306

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 73 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	1200	U
91-57-6	2-Methylnaphthalene	1200	U
208-96-8	Acenaphthylene	1200	U
83-32-9	**Acenaphthene**	**150**	**J**
86-73-7	Fluorene	1200	U
85-01-8	Phenanthrene	1200	U
120-12-7	Anthracene	1200	U
206-44-0	Fluoranthene	1200	U
129-00-0	Pyrene	1200	U
56-55-3	Benzo(a)anthracene	1200	UJ
218-01-9	Chrysene	1200	UJ
~~205-99-2~~	~~Benzo(b)fluoranthene~~	~~1200~~	~~UR~~
~~207-08-9~~	~~Benzo(k)fluoranthene~~	~~1200~~	~~UR~~
~~50-32-8~~	~~Benzo(a)pyrene~~	~~1200~~	~~UR~~
~~193-39-5~~	~~Indeno(1,2,3-cd)pyrene~~	~~1200~~	~~UR~~
~~53-70-3~~	~~Dibenzo(a,h)anthracene~~	~~1200~~	~~UR~~
~~191-24-2~~	~~Benzo(g,h,i)perylene~~	~~1200~~	~~UR~~

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-4-3-3

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-3

Sample wt/vol: 30.92 (g/mL) g Lab File ID: ED121316

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 29 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	46	J
91-57-6	2-Methylnaphthalene	460	U
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	52	J
86-73-7	Fluorene	71	J
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	260	J
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	2500	
56-55-3	Benzo(a)anthracene	1200	J
218-01-9	Chrysene	1200	J
205-99-2	Benzo(b)fluoranthene	1500	J
207-08-9	Benzo(k)fluoranthene	460	J
50-32-8	Benzo(a)pyrene	1200	J
193-39-5	Indeno(1,2,3-cd)pyrene	710	J
53-70-3	Dibenzo(a,h)anthracene	170	J
191-24-2	Benzo(g,h,i)perylene	850	J

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-4-3-3 R

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-3R

Sample wt/vol: 30.92 (g/mL) g Lab File ID: ED121320

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 29 decanted: (Y/N) N Date Extracted: 12/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	460	U
91-57-6	2-Methylnaphthalene	460	U
208-96-8	Acenaphthylene	130	J
83-32-9	Acenaphthene	47	J
86-73-7	Fluorene	68	J
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	270	J
206-44-0	Fluoranthene	1700	
129-00-0	Pyrene	3500	
56-55-3	Benzo(a)anthracene	1300	
218-01-9	Chrysene	1300	
205-99-2	Benzo(b)fluoranthene	1400	
207-08-9	Benzo(k)fluoranthene	400	J
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	820	
53-70-3	Dibenzo(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	1200	

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-5-15-5

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-7

Sample wt/vol: 31.27 (g/mL) g Lab File ID: ED121305

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 32 decanted: (Y/N) N Date Extracted:12/12/00

Concentrated Extract Volume:1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	470	U
91-57-6	2-Methylnaphthalene	470	U
208-96-8	Acenaphthylene	470	U
83-32-9	Acenaphthene	470	U
86-73-7	Fluorene	470	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	470	U
205-99-2	Benzo(b)fluoranthene	470	UJ
207-08-9	Benzo(k)fluoranthene	470	UJ
50-32-8	Benzo(a)pyrene	470	UJ
193-39-5	Indeno(1,2,3-cd)pyrene	470	UJ
53-70-3	Dibenzo(a,h)anthracene	470	UJ
191-24-2	Benzo(g,h,i)perylene	470	UJ

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TP-5-15-5 R

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66535

Matrix: (soil/water) SOIL Lab Sample ID: L66535-7R

Sample wt/vol: 31.27 (g/mL) g Lab File ID: ED121309

Level: (low/med) LOW Date Received: 12/07/00

% Moisture: 32 decanted: (Y/N) N Date Extracted: 12/12/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/13/00

Injection Volume: 2.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/kg	Q
91-20-3	Naphthalene	470	U
91-57-6	2-Methylnaphthalene	470	U
208-96-8	Acenaphthylene	470	U
83-32-9	Acenaphthene	470	U
86-73-7	Fluorene	470	U
85-01-8	Phenanthrene	470	U
120-12-7	Anthracene	470	U
206-44-0	Fluoranthene	470	U
129-00-0	Pyrene	470	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	470	U
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenzo(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U