SITE INVESTIGATION REPORT

SITE INVESTIGATION/REMEDIAL ALTERNATIVES REPORT (SI/RAR)

FORMER FLINTKOTE SITE
198 and 300 MILL STREET
CITY OF LOCKPORT
NIAGARA COUNTY, NEW YORK

(NYSDEC SITE NO. B-00161-9)

Prepared for:

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SI/RAR OF FORMER FLINTKOTE SITE

DRAFT SITE INVESTIGATION REPORT

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1.0 INTRODUCTION

1.1 General Discussion

The Niagara County Department of Planning, Development and Tourism (County) entered into a State Assistance Contract with the New York State Department of Environmental Conservation (NYSDEC) to complete a Site Investigation/Remedial Alternatives Report (SI/RAR) for the former Flintkote site located at 198 and 300 Mill Street in the City of Lockport, Niagara County, New York (Site). Figure 1 and 1A are included as a Site Location Map and a Vicinity Location Map, respectively. The SI was completed pursuant to the Environmental Restoration Program component of Title 5 of the Clean Water/Clean Air Bond Act of 1996, administered by the NYSDEC. The purpose of the SI/RAR program outlined herein was to further delineate and characterize the nature and extent of contamination occurring on, and emanating from the Site, and to develop and evaluate remedial alternatives, as appropriate. This information is essential to the County's plans for redevelopment of the Site.

TVGA Consultants (TVGA) has prepared this SI Report on behalf of the County to provide a detailed description of the investigation phase of the SI/RA program implemented at the Site. In addition to summarizing and documenting the methods used to investigate the Site, this SI Report describes the physical characteristics of the Site; defines the nature and extent of contamination encountered; assesses the contamination with respect to fate, transport and exposure; and identifies appropriate remedial action objectives (RAOs). The screening and detailed analysis of remedial alternatives and the identification of the most suitable remedy available to satisfy the RAOs are discussed in the RA Report.

1.2 Site Background

1.2.1 Site Description

The Site is an abandoned industrial property that occupies an approximately six (6) acre area. The majority of the Site is situated along the eastern bank of Eighteen Mile Creek and is bordered by commercial property to the north, vacant land to the south, Mill Street to the east, and Eighteen Mile Creek to the west. However, a small portion of the Site occurs along the western bank of Eighteen Mile Creek, and is bounded to the south by residential properties that extend along Water Street. This portion of the Site, hereinafter referred to as the Water Street Section (WSS), is located directly to the south of William Street, which is currently closed to vehicular and pedestrian traffic. William Street also divides the eastern portion of the Site into north (300 Mill Street) and south sections (198 Mill Street). The section of 300 Mill Street between Eighteen Mile Creek and the millrace is referred to as the Island. The area to the west of Eighteen Mile Creek is occupied by residential properties. The area to the east of Mill Street is occupied by both residential and industrial properties. Figure 2 is included as a Site Plan.

The 198 and 300 Mill Street sections of the Site contain the remnants of a manufacturing complex that are now vacant and in long-term neglect. The different sections of the remaining buildings/structures have been identified using a lettering system or a former use designation. The building/structure identifications include Building "A" through "E", Boiler Room, Machine Room, Water Tower, and Silo. These building/structures are shown on Figure 2 – Site Plan.

The former process equipment was removed from the Site years ago leaving residual volumes of assorted industrial debris inside the buildings. The external areas of the Site have become overgrown with weeds, brush and small trees. Exposed at the surface is a mixture of fill (typically ash), soil, miscellaneous piles of industrial debris, empty drums, and concrete, asphalt, or gravel surfaces. A small berm is visible along the western bank of Eighteen Mile Creek, on the WSS.

As shown on Figure 2, Eighteen Mile Creek and the former millrace constitute the two surface water bodies on the Site. The millrace and the Eighteen Mile Creek effectively form an island on the Site, which has been used for the disposal of various wastes, refuse and debris. Extensive filling has also been documented at the north end of 300 Mill Street and at the south end of 198 Mill Street.

The County acquired the parcels that comprise the Site via tax foreclosure in August 1999. The location and configuration of the tax parcels containing the Site are depicted on a tax map excerpt included as Figure 3. The section block and lot (SBL) numbers for the two parcels that comprise the Site are 109.006-1-8 and 109.006-3-1. The approximate property lines shown on Figure 2 were developed from this tax map.

1.2.2 Physical Setting

1.2.2.1 Physiography

The Site is located in the Ontario Basin of the Erie-Ontario Lowland Physiographic Province. The Province is generally characterized by low topographic relief as a result of erosion and deposition of sediments adjacent to lakes Erie and Ontario. However, the significant topographic relief on the Site is attributable to the combined presence of Eighteen Mile Creek and the very close proximity of the Niagara Escarpment, which is located just to the west.

The topography of the majority of the Site is generally flat in the areas of the buildings with steep downward slopes to the millrace and Eighteen Mile Creek to the west. The Site has an elevation that ranges between 450 and 480 feet above mean sea level (AMSL) based upon the USGS topographic mapping of the area.

1.2.2.2 Geologic Setting

Based on the *Surficial Geologic Map of New York – Niagara Sheet* (1988), the overburden soils in the area of the Site consist of lacustrine silt and clay deposits. These deposits are characterized as generally laminated silt and clay, deposited in proglacial lakes. Based on a review of the *Geologic Map of New York – Niagara Sheet* (1970), the Site is underlain by bedrock consisting of shales and sandstones of the Medina Group.

The subsurface investigations completed at the Site indicated the presence of a thin topsoil layer overlying a fill material that consists primarily of various colored ash containing glass, coal, coke, slag, buttons, ceramic, and brick across most of the Site. Glacially deposited native soils consisting of a mixture of fine-grained silts and clays underlie the fill in most areas of the Site followed by sandstone bedrock that was encountered at depths ranging from 2 feet to 29 feet below the ground surface. A detailed discussion regarding the subsurface stratigraphy is provided in Section 3.1 of this SIR.

1.2.2.3 Hydrogeology

Surface Water

Eighteen Mile Creek flows through the western portion of the Site in a north-northwesterly direction towards its eventual discharge into Lake Ontario at Olcott Harbor; approximately 18 miles east of the mouth of the Niagara River. In the vicinity of the Site, Eighteen Mile Creek is classified as a Class D stream according to 6 NYCRR Part 848 with Class D protection standards. The best usage of a Class D stream is identified as fishing, and the water quality is to be suitable for primary and secondary contact recreation. A detailed discussion regarding Eighteen Mile Creek is provided in Section 3.3 of this SIR.

Stormwater

Stormwater runoff occurring on the Site that does not percolate into the subsurface generally flows to the west towards the millrace and Eighteen Mile Creek. Some catch basins and manholes still exist on the Site, which may discharge to Eighteen Mile Creek via storm sewers. As shown on Figure 2 – Site Plan, several discharge pipes of unknown origin have been identified along Eighteen Mile Creek and the millrace. A concrete stormwater box culvert approximately 2.5 feet high and 4.5 feet wide discharges to the surface at the north end of the Site. This box culvert appears to originate from an off-site location.

Ground Water

Groundwater occurs in both the surficial deposits and bedrock at the Site. The upper-most water-bearing zone occurs primarily within the upper fractured bedrock of the site, but also intersects with the surficial deposits as it flows westward across the site toward the discharge area represented by Eighteen Mile Creek and the millrace. A detailed discussion regarding the groundwater hydrogeology of the Site is provided in Section 3.2 of this SIR.

Drinking Water Supply

The Site and surrounding residences and businesses within the City of Lockport are serviced by the municipal water supply system that relies upon water withdrawn from the Niagara River.

1.2.2.4 Demography

According to the 2000 United States Census Bureau, 22,279 people reside in the City of Lockport. The population density in the general area to the west of the Site, which is mainly occupied by residential properties, is approximately 6,400 people per square mile. The population density to the east of the Site ranges between approximately 700 and 1,500 people per square mile and is characterized by a mixture of residential and industrial properties.

1.2.2.5 Land Use

The Site is located in an area that is zoned for industrial use. The Site is bordered by commercial property to the north, vacant land to the south, Mill Street to the east, and Eighteen Mile Creek to the west. The area to the west of Eighteen Mile Creek is occupied mainly by residential properties. The southern boundary of the WSS abuts 143 Water Street, which is a residential property. The area east of Mill Street is occupied by both residential and industrial properties. Additional evidence of current and former industrial activity occurs further south of the Site, along the upstream reaches Eighteen Mile Creek.

1.2.2.6 Meteorology

The Site's vicinity is located within a fairly humid, continental-type climate with strong modification from the Great Lakes. The average annual precipitation is approximately 41 inches. The average annual temperature is about 48 degrees Fahrenheit, with the lowest temperatures in February and the highest in July. The prevailing wind direction is from the southwest.

1.2.3 Site History

Historical information reviewed indicated that the Site was developed for industrial use by the 1880s. Historic fire insurance maps from 1909 and 1914, included as Figure 4 and Figure 5, depict the presence of an industrial complex occupied by the Lockport Paper Company. These maps also indicate that the facility contained machine rooms, engine rooms and boiler rooms. A structure identified as an oil house was located on the Island on the west bank of the millrace, at a point between the sluice gates on William Street and the facility's tail race just to the north. A railroad line bounded the east side of the Site, from which track sidings extended to the northern part of the Site.

Historic street directories indicated that the Lockport Paper Company occupied the Site until the late 1920s when the Beckman Dawson Roofing Company used the Site. In 1928, the Flintkote Company purchased the property from the Beckman Dawson Roofing Company. Flintkote was noted to be a manufacturer of felt and felt products.

A historic fire insurance map from 1928 included as Figure 6 indicates that the Flintkote Company, Felt Division, occupied the Site. The 1928 vintage map indicates the presence of machine rooms, boiler rooms, electrical transformers, coal piles, conveyors and a silo. A large industrial building was identified as a "saturating and coating plant" on the east side of Mill Street, northeast of the Site. The building was depicted containing a large fuel oil tank and overhead pipes for carrying asphalt.

From 1935 until 1973, Flintkote manufactured sound deadening and tufting felt for use in automobiles. Flintkote ceased its operations in 1971. Since 1971, the Site has been transferred and occupied by various companies (i.e. Frank Davis Company, River Salvage Company, Thomas E. Carter Trucking Company, etc.). Figure 7 provides a depiction of the Site as observed during a structural evaluation conducted by Mesch Engineering in the late 1980s. This structural evaluation is summarized in Section 3.4.2. The County has owned the Site since August 1999.

1.2.4 Previous Environmental Assessments, Investigations and Removal Actions

A portion of the Site at 300 Mill Street was formerly listed in the New York State Registry of Inactive Hazardous Waste Disposal Sites due to the presence of drums containing waste materials and PCBs. In January of 1984, the owner of the property had these materials removed by a waste oil processor and the Site was subsequently removed from the registry in 1985.

A 1989 inspection conducted by the City of Lockport Building Inspection Department revealed the presence of a number of drums stored in various locations across the Site. Twenty-eight of these drums were determined to contain hazardous waste. These drums were the subjects of a NYSDEC Drum Removal Action conducted during May of 1991.

Analytical data from the April 1996 NYSDEC study entitled *Trackdown of Chemical Contaminants to Lake Ontario from New York State Tributaries*, indicated that PCB's (specifically Aroclor 1242), mercury, dioxin, and furans were detected in ash samples collected from the Site. The Former Flintkote Site was subsequently identified as a potential source of PCBs and Dioxins in Eighteen Mile Creek. The NYSDEC Division of Environmental Remediation also collected sediment and waste samples in August 1996 that confirmed the presence of PCBs in the sediments sampled from the millrace, and lead in excess of the TCLP regulatory limit in ash samples collected from the Island. The Site has also been the subject of more recent investigations by the NYSDEC and USEPA, the results of which are contained in the following reports:

- *Site Investigation Report, Former Flintkote Plant Site, 198 & 300 Mill Street, City of Lockport, Niagara County, New York*, NYSDEC, Division of Environmental Remediation, September 2000, (included in Appendix J);

- *Sampling Report, Former Flintkote Plant Site, 143 Water Street, City of Lockport, Niagara County, New York*, NYSDEC, Division of Environmental Remediation, June 2002; and

- *Flintkote Site Sampling Trip Report*, Weston Solutions, Inc. (on behalf of the USEPA, Removal Action Branch), August 2002.

The results of these investigations confirmed the presence of contaminated fill, soil, groundwater, and sediment on the WSS, 198 and 300 Mill Street portions of the Site. Contaminants detected on the Site included volatile organic compounds (VOCs) (trace amounts) and semi-volatile organic compounds (SVOCs), the latter consisting primarily of polycyclic aromatic hydrocarbons (PAHs), as well as metals, pesticides, and polychlorinated biphenyls (PCBs). Elevated concentrations of lead and PCBs were also detected in surface soil samples collected from the 143 Water Street property as a result of the NYSDEC's 2002 sampling program.

The Site was also the subject of a USEPA removal action in 2001, which focused on the removal of friable asbestos containing materials (ACMs) within the Site's buildings and on-site debris piles.

The findings and conclusions of the previous investigations, removal actions and sampling programs have indicated a consequential volume of (toxicity) characteristic hazardous waste in the form of ash fill (D008-Lead); along with concentrations of SVOCs and other inorganic chemicals above NYSDEC soil clean-up guidelines. Similar contaminants have also been detected in the groundwater and sediments in Eighteen Mile Creek, suggesting that waste at the Site has impacted groundwater and sediment down stream from the Site. Furthermore, elevated levels of lead and PCBs were detected on the adjacent 143 Water Street property, the source of which could include runoff from the ash fill located on the WSS and/or the deposition of contaminated sediment from the Creek during flooding events.

2.0 METHODS OF INVESTIGATION

The scope of the Site Investigation program was generally consistent with that outlined in the NYSDEC approved February 2003 Draft SI/RA Report Work Plan (Work Plan) and the subsequent June 20, 2003 Addendum which served to finalize the Work Plan. Modifications made to the Work Plan during the completion of the SI were approved by NYSDEC and the County and are discussed within this SI Report.

The purpose of the SI was to further delineate the nature and extent of the known contamination at the Site and to delineate other contamination, if any, within the following six (6) areas of the Site.

- Surface Soil/Fill;
- Subsurface Soil/Fill;
- Groundwater;
- Surface Water;
- Sediment; and
- Building Surfaces and Components

Representative grab samples of surface soil/fill were collected from previously identified areas of concern, as well as from points selected to represent conditions across the Site. Two background surface soil samples were collected from separate off-site locations for the purpose of defining local baseline soil conditions.

Subsurface soil/fill and groundwater was investigated through the advancement of soil probes, drilling of test borings and the installation of groundwater monitoring wells to enable the collection and chemical analysis of samples from these media.

Surface water and sediment from within the pipe that outfalls into Eighteen Mile Creek near William Street were sampled. The pipe potentially originates from the on-site buildings.

The investigation of building surfaces and components included the collection of samples from the following areas:

- Sediment/soil from within sumps, basements, and floor areas;
- Waste material adhered to building surfaces (i.e. tar/felt);
- Concrete floor surfaces in Building B related to the potential past use of PCB-containing electrical equipment; and
- Standing water in the basement.

Collected samples of soil, fill, groundwater, surface water, sediment and building components were chemically analyzed to determine the type and concentration of contamination present. The number of samples collected from each of the above referenced media, including QA/QC samples, and the corresponding analytical methods are summarized in Table 1. Figure 8 is

included as a Sample Location Plan and includes the investigations completed during this SI as well as the historic sampling locations completed during previous investigations.

2.1 Field Investigation

The following subsections summarize the field activities completed as part of the SI. The methods employed during the execution of the field tasks are detailed in the Field Sampling Plan (Appendix A of the Work Plan), while the procedures implemented to ensure the quality of the resulting field and laboratory data were in accordance with the Quality Assurance/Quality Control (QA/QC) Plan (Appendix B of the Work Plan).

2.1.1 Surface Soil / Fill Sampling

Ten grab samples of surface soil and/or fill material were collected from the Site (FS-SS-1 through FS-SS-10). The samples were collected from the top two inches of an approximate 12 inch by 12 inch area after the removal of vegetative mater. The samples were collected from previously identified areas of concern and from areas selected to represent conditions across the Site.

2.1.2 Soil Probes

A total of 25 soil probes were completed using direct push soil sampling equipment (e.g., geoprobe) to collect continuous subsurface soil/fill samples. The soil probes were advanced until encountering refusal, which occurred at depths ranging from 2 to 15.5 feet bgs. The locations were selected to characterize the surficial geology across the Site; further define the areal extent and thickness of fill material; and identify and delineate areas of subsurface contamination via field screening and the chemical analysis of soil samples. Additionally, one soil probe (FS-MCW-1) was completed as an overburden monitoring well. Soil probe logs are included in Appendix A.

2.1.3 Test Borings and Monitoring Well Installation

Ten test borings were completed to collect subsurface soil/fill and bedrock core samples, and to allow for groundwater monitoring well installations. Two of the test borings were completed with overburden groundwater monitoring wells and seven were completed with bedrock groundwater monitoring wells. The groundwater monitoring wells were used to estimate the groundwater flow direction, hydraulic gradient, and the hydraulic conductivity of the water-bearing zone. The monitoring wells were also utilized for collection of groundwater samples. Test borings and monitoring well locations were selected based on the project objectives, ease of access, freedom from obstructions, and safety considerations. Test boring logs are included in Appendix B.

The following sections define the applicable drilling, sampling, and monitoring well installation procedures that were implemented at the Site.

2.1.3.1 Hollow Stem Auger Drilling

The test borings were advanced through the overburden soil/fill using hollow stem augers (HSAs) with continuous split spoon sampling until encountering refusal, which occurred at depths ranging from 6 to 29 feet bgs. Six of the test borings/monitoring well locations (MW-01OB, MW-02OB, MW-04RK, MW-05RK, MW-06RK, and MW-07RK) were advanced using 4-1/4-inch I.D. HSAs. The remaining four test borings/monitoring well locations (MW-01RK, MW-02RK, MW-03RK, and Test Boring 1) were advanced using 6-1/4-inch I.D. HSAs. These four locations were originally anticipated to be the only locations completed with bedrock groundwater monitoring wells. As such, the larger diameter HSAs were used to allow for the installation of permanent 4-1/2 inch O.D. steel casing to the top of bedrock. The steel casings were installed after reaching auger refusal depth, which was assumed to be the top of bedrock, and grouted into place. Bedrock coring then proceeded through the casings. The purpose of the permanent casings was to provide a seal at the boring between the overburden and bedrock groundwater zones and to allow for more efficient rock coring techniques.

Several of the originally planned overburden groundwater monitoring wells were subsequently installed as bedrock groundwater monitoring wells (i.e. MW-04RK, MW-05RK, MW-06RK, and MW-07RK). This occurred because adequate water was not observed within the augers after encountering refusal to warrant installation of overburden groundwater monitoring wells in these areas of the Site. As such, bedrock coring was completed through the 4-1/4 inch I.D. HSA for these borings.

A summary of the subsurface stratigraphy encountered during the completion of the soil borings and test borings is included as Table 2. A similar summary of the subsurface investigations completed by NYSDEC is included as Table 3.

2.1.3.2 Split Spoon Sampling

Continuous split spoon sampling was performed in each test boring in general accordance with ASTM D1586-84, Standard Method for Penetration Test and Split Barrel Sampling of Soils. The advancement of the split spoon sampling equipment occurred in two foot intervals.

Subsurface soil/fill samples obtained from the split spoon sampling were classified, field screened for Total Organic Vapors (TOVs), and either placed in driller's jars or directly into analytical sample containers.

2.1.3.3 Rock Coring

Rock coring was completed at seven test boring locations (MW-01 RK through MW-07 RK) after encountering hollow stem auger refusal to allow for the installation of bedrock groundwater monitoring wells. During completion of the test borings, several of the locations that were anticipated to be completed as overburden groundwater wells were converted to bedrock groundwater monitoring wells due to a lack of overburden groundwater. Rock coring was performed in general accordance with ASTM D2113-83 using a HQ rock core barrel that resulted in an approximate 3-7/8 inch diameter corehole. The collected rock cores were classified following the procedures described in the Work Plan, placed in wooden boxes and are currently stored on-Site.

2.1.3.4 Monitoring Well Installation

Ten monitoring wells were constructed in general accordance with the Work Plan. These included:

- Three monitoring wells screened within the upper most water bearing zone occurring in the fill and native glaciolacustrine sediments (MCW-01, MW-01 OB and MW-02 OB);
- Seven monitoring wells screened within the upper most water bearing zone within the bedrock.

With the exception of monitoring well MCW-1, the wells were constructed of 2-inch diameter PVC. The overburden wells were installed in test borings advanced with 4-1/4 inch I.D. hollow stem augers. The bedrock monitoring wells were installed in the rock coreholes. Monitoring well MCW-1 was constructed of 1-inch diameter PVC and installed within a test probe hole. Well installation reports are included in Appendix C. A summary of the monitoring well construction details is included as Table 4.

2.1.3.5 Monitoring Well Development

Following the completion of the ten new monitoring well installations, each well and the existing micro well (MW-6) were developed using dedicated polyethylene bailers to remove sediment and to improve the hydraulic properties of the filter pack. The effectiveness of the development procedures was monitored until the development water was relatively sediment free or the indicator parameters (pH, temperature, turbidity and conductivity) had stabilized. The stabilization of indicator parameters was generally used as a guide for the discontinuation of well development. Development of existing micro wells 198-E and 198-F was not performed due to the difficulty in obtaining sufficient water volume. To compensate for not developing these two wells, a minimum of four well volumes of water was removed from each of these wells using a foot valve and

polyethylene tubing prior to collecting groundwater samples. Monitoring well development logs are included in Appendix D.

2.1.4 Soil Classification

As a means of insuring proper field identification and description of soil collected from the test borings and soil probes, the soil samples were visually and physically characterized according to the Burmister Soil Classification System. This method of classification describes the soil types on the basis of color, relative density, grain size, plasticity, and moisture content. The abbreviated Unified Soil Classification was also recorded on the soil probe and test boring logs.

2.1.5 Soil Screening

Upon retrieval, each soil sample was field screened with a Photo Ionization Detector (PID) for TOVs, and a representative sample placed in a clean driller's jar or directly into an analytical sample container. Soil samples from each split spoon or probe were initially screened with a PID upon retrieval by separating the soil column with a stainless steel spoon and placing the PID probe tip near the void. This was recorded as a "direct" TOV reading. In addition, the PID tip was placed into the air headspace above the soil in the jar to obtain a "headspace" TOV measurement. The results were recorded on the soil probe and test boring logs.

2.1.6 Groundwater Sampling

After purging and allowing the groundwater levels to return to near static conditions, a groundwater sample was collected from each of the ten new and three existing usable monitoring wells. Groundwater purging was completed in a similar manner as the monitoring well development.

Groundwater sampling was performed at the nine newly installed monitoring wells (MW-01 OB, MW-02 OB and MW-01 RK through MW-07 RK), the newly installed micro well (MCW – 1) and three existing micro wells (MW-6, 198-E and 198-F) as soon as practical after purging had been completed and the wells had recovered sufficiently to sample. All wells contained sufficient volume to provide a representative sample for the required laboratory analytical testing. Groundwater sampling from MW-01RK extended over a two day period due to poor recharge.

If the field turbidity of the sample collected for metals analysis exceeded 50 NTU, a sample of groundwater was filtered in the field through a 45-micron filter for possible later analysis. A filtered sample was collected from all of the monitoring wells with the exception of MW-01RK and MW-05RK, where the field turbidity was below 50 NTU. Monitoring well purging and sampling logs are included in Appendix E.

2.1.7 In-Situ Hydraulic Conductivity Testing

In-situ hydraulic conductivity tests were completed after groundwater sampling to estimate the permeability of the aquifer material surrounding the well. Two overburden monitoring wells (MW-01 OB, MW-02 OB) and three bedrock monitoring wells (MW-01 RK, MW-04 RK, and MW 06-RK) were field tested using the slug test method. The test results are summarized on Table 5.

2.1.8 Groundwater Level Measurements

Two rounds of groundwater elevation measurements were made at the Site. The groundwater levels measured in the monitoring wells were used to estimate the groundwater flow direction, gradient, and when combined with hydraulic conductivity data, flow rates. Water levels in all monitoring wells were measured using an electronic water level indicator and referenced to the top of the PVC casing. The groundwater elevations are summarized on Table 6.

2.1.9 Investigation Derived Waste

All excess auger cuttings, excess soil from soil probing activities, decontamination fluids, development water and purge water, was placed in and allowed to discharge into shallow excavations created in the vicinity of each of the test boring locations. The shallow excavations were then backfilled by the County.

2.1.10 Background Soil Samples

Two background soil samples were collected from two separate off-site locations. Background soil sample FS-11 was collected from Dolan Park, which is east of the Site and is located northeast of Vine Street, between Clinton and Olcott Streets. The second background soil sample, FS-SS-12, was collected from Outwater Memorial Park, which is southwest of the Site and is located west of Prospect Street, between Outwater Drive and Corinthia Street. Each of the samples was comprised of soil collected from the top two inches of the ground surface, after the removal of vegetative matter.

2.1.11 Building Surfaces and Components Investigation

2.1.11.1 PCB Sampling of Building "B" Ground Floor

Based on a review of historical facility plans and visual observations, the ground floor of Building B may have been used as a transformer room at one time. As a result, two concrete samples were collected from areas of apparent oil staining. In addition, one soil/sediment sample was collected by scraping the top of the concrete in the area of apparent oil staining.

A hammer and cold chisel were used to collect two destructive concrete samples.

Sample SS-01CC was collected from the northwest corner of the Building B from an area surrounded by a concrete curb. Sample SS-02-CC was collected from the southwest corner of the Building B in an area that was partially surrounded with concrete curbs. The soil/sediment sample (SS-02-SED) was collected from the same area as SS-02CC. These three samples were submitted for PCB analysis only.

2.1.11.2 Interior Building Surfaces/Components

TVGA identified and visually examined sumps, trench drains and building surfaces in an effort to identify and sample suspect solids, liquids and sediments present within these structures. The following samples were collected from within the buildings for chemical analysis.

- One sediment and one surface water/standing water sample was collected from the deep basement of Building D (FS-BLDG D-SW/SED). This appears to be the deepest point within the building complex and would be an area where spills or leaks would eventually accumulate.

- One sediment sample was collected from the sump/low area located at the south end of the basement in Building E (FS-BLDG E-SED). This location appears to be near the same elevation as the deep basement of Building D. This was apparently a former pump area and is the terminus of various pipes.

- A sediment sample was collected from the sump located at the southwest corner of the ground floor in Building C (FS-BLDG C-SED). A trench drain located along the interior of Building C discharges into this sump.

- A sample of a felt/tar like material was collected from a building column centrally located on the ground floor of Building D (FS-BLDG D-FELT).

2.1.12 Surface Water/Sediment Sampling in the Outfall to Eighteen Mile Creek

An approximate 24–inch diameter concrete pipe that outfalls into Eighteen Mile Creek was identified on the Site. The outfall is located on the east side of the creek bank, south of William Street. A sediment and aqueous sample was collected from within the pipe approximately 2 feet up gradient from the end of the outfall. The water from within the pipe was at the same elevation as the water within Eighteen Mile Creek. An outward flow of water was not observed within the pipe, indicating that the water in the pipe represented surface water backflow from Eighteen Mile Creek.

2.1.13 Visual Asbestos Survey

A visual asbestos survey of the existing buildings and the debris piles on the 198 Parcel was completed by Aaction Environmental Services, Inc. (Aaction) to identify suspect asbestos containing materials (ACMs). The survey was performed in general accordance with NYCRR, Title 12, Part 56 (Industrial Code Rule No. 56), and applicable provisions of 40 CFR Part 61 (NESHAPS) and Occupational Safety and Health Administration (OSHA) 29 CFR 1910. The survey included the following work tasks:

- Review of readily available building plans and records for references to asbestos or asbestos material used in construction, renovation or repair.

- Completion of a September 18, 2003 site inspection by an EPA and NYSDOL certified asbestos inspector. The site inspection was completed for the accessible portions of the on-site buildings. Visual observations of suspect ACMs were recorded on site specific inspection forms and the area was photographed. Samples for asbestos analysis were not collected as part of this work.

- A November 24, 2003 "Visual Asbestos Survey" report was prepared by Aaction Environmental Services detailing the location, approximate quantity (when practical) and condition of suspect ACM. The report includes inspection forms, a figure indicating suspect ACM locations, photographs, and credentials of the inspection personnel. A copy of the report is included as Appendix F.

2.1.14 Survey

A topographic survey was completed and a base map prepared during the development of the Work Plan. Elevations are relative to an assumed Site Datum of 100.00 feet, established from a benchmark, which consists of a railroad spike located at the edge of Mill Street pavement in the area of the curve. The approximate property boundaries shown on the base map are based on the tax maps obtained from the City of Lockport. After the completion of the field investigation, the actual field sampling locations were surveyed to locate the horizontal and vertical position of sample locations and monitoring well casing elevations.

2.2 Sample Analysis/Validation

2.2.1 Laboratory Analysis

All chemical analyses were performed by Severn Trent Laboratories, Inc. (STL), which is accredited under the New York State Environmental Laboratory Approval Program (ELAP) Contract Laboratory Program (CLP). The selected samples and corresponding analytical methods used are summarized on Table 1.

All collected samples, with the exception of the three building component samples collected from the ground floor of Building B (two concrete samples and one soil/sediment sample), were analyzed using the applicable methods prescribed by the NYSDEC Analytical Services Protocol (ASP), June 2000. Category B deliverables were generated for these samples. EPA SW-846 methods were utilized to analyze the two aforementioned concrete and one soil/sediment sample. The deliverables for this analysis were in accordance with the referenced method.

Most of the soil/fill, surface water, sediment, groundwater, and building component samples (standing water, sediment/soil, and felt) were analyzed for the volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and PCBs/Pesticides appearing on the EPA Target Compound List (TCL). The samples were also analyzed for the metals appearing on the EPA Target Analyte List (TAL). Exceptions to this include the subsurface soil sample collected from Soil Probe 11 at a depth of 10 to 12 feet bgs, which was submitted only for metals and PCBs, and the subsurface soil sample collected from MW-03 RK at a depth of 14 to 15.5 feet bgs, which was submitted only for volatile organic compounds (VOCs), due to limited soil volumes. Furthermore, the surface soil/fill samples, including the two background samples, were not analyzed for VOCs. Elimination of the VOC analysis for the surface soil/fill samples was a NYSDEC-approved modification to the Work Plan. This modification was made because limited VOCs have been detected at the Site during past investigations and most VOCs, if historically present, would have likely volatilized from the surface soil/fill over time.

The two concrete samples and the soil/sediment sample collected from the ground floor of Building B were analyzed only for polychlorinated biphenyls (PCBs) using EPA SW-846 Method 8082.

The STL Analytical Laboratory Report and Chain of Custody Forms are included as Appendix G and Appendix H respectively.

2.2.2 Quality Assurance/Quality Control Samples

Samples were collected throughout the project for Quality Assurance/Quality Control purposes (QA/QC). The purpose of these samples was to evaluate the effectiveness of the QA/QC procedures implemented during the field and laboratory activities associated with the project. The QA/QC samples were collected and analyzed in accordance with the *Final QA/QC Plan* (included as Appendix B of the Work Plan). As reflected by Table 1, QA/QC samples included matrix spikes (MS), matrix spike duplicates (MSD) and matrix duplicates (MD), trip blanks, blind field duplicates and equipment blank samples.

2.2.3 Data Validation

The validation of the laboratory data was performed Data Validation Services, a NYSDEC approved independent data validator. Validation of the data was performed in accordance with the *NYSDEC Guidance for the Development of Data Usability Summary*

Reports (DUSR). The data package was first reviewed for completeness and compliance relative to the criteria specified in the aforementioned NYSDEC document. Data Validation Services then conducted a detailed comparison of the reported data with the raw data submitted as part of the supporting documentation package, and applied protocol-defined procedures for the identification and quantitation of the individual analytes to determine the validity of the data. The DUSR includes a narrative summary discussing all quality issues and their impact on the reported results, and presents copies of laboratory case narratives. The DUSR is included as Appendix I.

3.0 PHYSICAL CHARACTERISTICS

3.1 Subsurface Stratigraphy

An evaluation of the Site's subsurface stratigraphy was completed by integrating the data collected by TVGA during the September 2003 SI with that previously generated during NYSDEC investigations of the Site. A total of 66 subsurface explorations have been completed at the Site. This includes 10 test borings and 25 soil probes completed by TVGA, and 31 soil probes completed by NYSDEC. Figure 8 is included as a Sample Location Plan. Explorations completed by TVGA are shown in bold notations while historic explorations completed by NYSDEC are shown in a light gray notation. Table 2 and Table 3 were compiled based on the results of the subsurface findings and provide a summary of the subsurface conditions encountered at each location, including the thickness of the various geologic materials prior to refusal or cessation of the subsurface exploration. The soil probe and test boring logs completed during the SI describe the subsurface materials encountered and are included as Appendix A and Appendix B, respectively. The subsurface stratigraphy consists of four major units, which described in descending order include: topsoil; fill materials; glaciolacustrine deposits (native soil); and bedrock. The following sections provide a detailed description of these units.

3.1.1 Topsoil

A thin layer of topsoil, usually less than 0.2 feet thick, was often encountered above the fill materials. This unit however, was absent in some areas of the Site. The topsoil is described as a brown to dark brown silty soil with varying amounts of organics. This topsoil layer is likely the result of the natural decomposition of leaves and other organic matter during the Site's vacancy over the past 30 years. Thicker zones of topsoil were encountered in non-fill areas directly above native soils and may be more indicative of pre-filling conditions. These areas included the north end of the Island and east bank of Eighteen Mile Creek at the south end of the Site.

3.1.2 Fill Materials

Fill materials were encountered in 55 of the 66 subsurface explorations and vary in thickness from less than one foot thick to 24.9 feet thick. The fill materials were generally encountered directly at the ground surface or just below the thin topsoil layer. There are three predominant and visibly distinct types of fill that exist in separate, yet often times intermixed layers. Additionally, several other miscellaneous fill materials were infrequently encountered at various locations across the Site.

The thickness of the fill material is presented on Figure 10 – Fill Material Isopach Plan, which shows the thickness of fill material encountered at each subsurface exploration and the fill isopachs developed based on these data points. To assist in the development of the isopachs, the bottom of the bank on either side of the millrace was assigned a zero fill thickness. In areas of limited data, interpretations between the ground surface and bedrock surface were made to estimate the fill thickness isopachs. This was done for the

areas at the north end of the 300 Mill Street Parcel, the WSS, and the south and west portions of the 198 Mill Street Parcel. These inferred isopachs are represented by dashed lines.

The following table summarizes the estimated fill volumes based on the fill isopachs. It should be noted that the fill volumes were developed based on interpretations of widely spaced explorations and that the fill thickness between borings may vary.

Area	Estimated Fill Material Volume (cubic yards)
300 Mill Street (area between Building E and Mill Street)	3,500
300 Mill Street (north portion, and area between Building E and the millrace)	25,900
198 Mill Street	9,700
Island	7,200
WSS	200
Total Estimated Fill Volume =	**46,500**

The NYSDEC's September 2000 report estimated the volume of fill to be 25,000 cubic yards. The main areas of difference include the additional volumes associated with the thickness of the fill at the north end of the 300 Parcel and the fill on the 198 Parcel between the former buildings and Eighteen Mile Creek.

The following sections describe the various types of fill encountered at the Site.

3.1.2.1 Fill Type #1 - Ash

The most predominant layer of fill material at the Site is comprised of an ash type material that can be further subdivided into two main units. These include a reddish brown colored ash unit and a black colored ash unit. White and red ash were also sporadically encountered throughout the Site. Contained within the ash type materials were varying amounts of red brick, white brick, coal, slag, buttons, and metal fragments. This ash type material was encountered throughout the Site, with the thickest deposits of greater than 20 feet encountered in the northern most borings of the 300 Parcel (i.e. MW-7 RK, MW-2 OB, and 300-E). This fill layer thins westward towards the millrace and eastward towards Mill Street.

The thickest deposits of the black ash were encountered in the northern most borings of the 300 Parcel, while the largest amounts of the reddish brown ash were encountered on the southern part of the Island. The 198 Parcel exhibited a mixture of the reddish brown and the black ash, while the reddish brown ash was

identified in the small berm that occurs on the WSS and appears to extend slightly onto the 143 Water Street property.

3.1.2.2 Fill Type #2 - Reworked Cohesive Soils

The second layer of fill material ranged in thickness from 0.1 feet to 10.5 feet and is identified as reworked reddish-brown silts and clays with trace amounts of coal and rock fragments. This soil appeared to be similar to the native type soils that are discussed in Section 3.1.3. This layer was generally observed below the ash layer (Fill Type #1). However, it was occasionally observed between layers of ash. This fill type may have been used as a cover soil during filling operations or possibly for general site grading activities. This layer of fill was observed across the entire Site, with the largest deposits occurring on the 300 Parcel between the area of Building D/Building E and the millrace (SP-15).

3.1.2.3 Fill Type #3 – Reworked Granular Soils

The third layer of fill material ranged in thickness from 0.2 feet to 2.6 feet and consisted primarily of silts with varying amounts of sand, gravel, coal and slag and was encountered mainly between the ash layers on the 300 Parcel, with less frequent occurrences on the Island and WSS. This fill type was encountered at a less frequent rate than Fill Type #1 or Fill Type #2.

3.1.2.4 Other Fill Types

Other types of fill material identified at the Site included a granular soil/ash mixture along Mill Street that is possibly related to the former rail road tracks. In addition, felt, powders, and miscellaneous waste materials were identified in several borings across the Site.

3.1.3 Glaciolacustrine Soil - Native

A layer of glaciolacustrine soil or glacial lake deposits, consisting of a mottled fine-grained silty-clay and clayey-silt, with traces of fine grained sand and fine gravel was encountered at 52 of the 66 subsurface explorations. These soils vary in color from brown to a reddish brown. These soils are stiff, and the plasticity varies proportionately to the amount of clay. This overburden unit appears to be native and was usually encountered directly beneath the fill material or below the topsoil layer, in areas absent of fill materials. A fairly even distribution of this native soil was encountered at the Site with the exception of the northern portion of the 300 Parcel, where the fill materials generally occur directly above the bedrock. The thickness of the native soils, when encountered, ranged from 0.1 feet to 9.8 feet.

3.1.4 Sandstone Bedrock

Grimsby Formation Sandstone bedrock of the Medina Group was encountered and cored at seven test boring locations. The sandstone had a marbleized red and white appearance with lesser occurrences of gray and grayish-green and appeared similar in nature to the stone used to construct a majority of the on-site buildings. The upper fifteen feet of bedrock contained multiple horizontal and vertical fractures, some of which were packed with silt and clay. More competent rock was observed at depths greater than fifteen feet below the bedrock surface. Rock Quality Designation (RQD) for the cored bedrock ranged from 0% to 96% with higher RQD generally corresponding to samples collected at greater depths. A detailed description of the cored bedrock can be found on the test boring logs included as Appendix B.

The calculated top of bedrock elevations are summarized on Table 2 and Table 3. In areas where bedrock cores were not collected, the top of bedrock was assumed to be the depth where equipment refusal was encountered. Estimated top of bedrock contours were developed and are shown on Figure 11 – Top of Bedrock Contour Plan. The calculated bedrock elevation (when encountered) is shown next to each subsurface exploration in parentheses. To assist in the development of the top of bedrock contours, the spot elevations collected along the centerline of the millrace were assumed to be the top of bedrock. In addition, although bedrock was not encountered in soil probe 198 F or 198 E, it is known that the bedrock at these locations is at an elevation below 68.5 and 69.6 feet, respectively. As such, the bedrock elevation in 198 F and 198 E was assigned an elevation of 68 and 69 feet, respectively, for the purposes of developing the contours.

Often times, conflicting bedrock elevations between relatively close exploration locations were identified, resulting in contour anomalies. These conflicting elevations may be a result of soil probe refusal on boulders or cobbles at elevations above the actual top of bedrock or the penetration of the augers into the weathered bedrock to a depth deeper than the actual top of bedrock. The bedrock elevations used to develop the contours are represented in bold notation. The remaining bedrock elevations are shown in a light gray notation. In areas of limited data, interpretations of the bedrock contours were estimated based on the contours in other areas of the Site. Inferred bedrock contours are shown with a dashed line.

The depth to bedrock varies across the Site, with the shallowest occurrences along Mill Street, Eighteen Mile Creek and the northern portion of the Island, which generally correspond to areas with limited fill materials. As shown on Figure 11, the interpolated bedrock contours have a fairly uniform slope from Mill Street (approximate elevation 90 feet) downward towards the millrace (approximate elevation 68 feet). Bedrock slopes in this area generally range from 10% to 15% with some areas as steep as 40% at the south end of the Site. Bedrock elevations on the Island are highest in the middle section (approximate elevation 72 feet) and slope downward to the east and west towards the millrace and Eighteen Mile Creek respectively.

It should be noted that interpolation between data points will have a tendency to result in a shallower slope than what might actually exist due to the borings not being completed at the crest or toe of steep bedrock slope areas. Based on observed rock surfaces in the vicinity of the Site, steep bedrock slopes, similar to those identified at the south end of the Site would be expected for other areas of the Site. Furthermore, given the location of the historic power house (Building B and/or C), it is possible that a substantial bedrock elevation change occurs in the general area of William Street.

3.2 Groundwater

The hydrogeologic conditions across the Site were investigated through the installation of ten new groundwater monitoring wells (three overburden monitoring wells, and seven bedrock monitoring wells) and the use of three existing on-site overburden micro-wells. The six overburden monitoring wells are identified as MW-01 OB, MW-02 OB, MCW-01, MW-06, 198-E, and 198-F. The other seven monitoring wells (MW-01 RK through MW-07 RK) were installed within the upper, fractured sandstone bedrock, and are referred to as "bedrock wells". Field installation reports for the monitoring wells installed during the course of this SI are included in Appendix C. Additionally, static water level measurements taken from the monitoring wells and the corresponding groundwater elevations are summarized on Table 6.

The groundwater hydrogeology of the portion of the Site that encompasses both the 198 and 300 Parcels is largely influenced by its topography and the underlying geology. Dominant features include the steep slope that descends westward into the Eighteen Mile Creek valley and the underlying bedrock surface, which mimics the surface topography (See Figure 11). Groundwater occurs primarily in the fractured sandstone bedrock beneath this portion of the Site, and moves in a westerly direction toward the discharge area represented by the creek and millrace. Saturated conditions were not encountered in the surficial deposits occurring on the eastern-most portion of the Site. Instead precipitation that infiltrates the fill and/or overburden in this area of the Site migrates vertically downward and recharges the fractured bedrock water-bearing zone, which occurs between 15 to 20 feet below the ground surface and six to nine feet below the top of the bedrock.

As groundwater migrates to the west in the fractured bedrock, it discharges from the bedrock into the overburden along the base of the sloped bedrock surface. Where the groundwater piezometric surface intersects the top of the bedrock surface along the base of this bedrock slope, the upper-most hydrostratigraphic unit on the Site transitions from one occurring exclusively within fractured bedrock to one that is comprised of both overburden and fractured bedrock zones. This is supported by the fact that the field parameters collected during well development and purging were generally consistent between the groundwater collected from the overburden and bedrock zones, and the chemistry of the groundwater in these two zones is very similar. Furthermore, a comparison of the static water levels within overburden well MW-1 OB and adjacent bedrock well MW-3 RK indicates a negligible downward gradient from the overburden to the bedrock.

A comparison of the groundwater elevations relative to the top of bedrock elevations is provided in the following table for all of the groundwater monitoring wells.

Monitoring Well	Estimated Bedrock Elevation (feet)	10-24-03 Groundwater/ Surface Water Elevation (feet)	Groundwater Elevation Relative to Bedrock Elevation
MCW-1	67.1	75.79	8.7 feet above
MW-6	*69*	71.89	2.9 feet above
198-E	*69*	75.75	6.8 feet above
198-F	*68*	76.01	8.0 feet above
MW-01 OB	61.8	66.52	4.7 feet above
MW-02 OB	62.3	67.07	4.8 feet above
MW-01 RK	93.0	84.16	8.8 feet below
MW-02 RK	86.4	77.61	8.8 feet below
MW-03 RK	63.4	66.47	3.1 feet above
MW-04 RK	82.6	76.57	6.0 feet below
MW-05 RK	71.5	74.67	3.2 feet above
MW-06 RK	70.8	67.97	2.8 feet below
MW-07 RK	71.7	70.44	1.3 feet below
Creek at 198 Parcel	*67*	75.9	8.9 feet above
Creek at William St.	*70*	75.6	5.6 feet above

Note: *Bedrock elevations were estimated from the Top of Bedrock Contour Plan for explorations that did not encounter bedrock and are shown in italic font.*

Groundwater continues to migrate westward within this hydrostratigraphic unit toward the discharge zone represented by Eighteen Mile Creek and the millrace. Although recharge to the saturated overburden zone from precipitation infiltrating at the surface of these deposits is likely limited due to the steep slopes present in this area, some recharge is expected to occur in this manner. The depth to groundwater in the overburden monitoring wells installed along the western margins of the 198 and 300 Parcels ranged from 2.3 to 23.9 feet below ground surface.

A comparison of the groundwater elevations in the wells situated in close proximity to Eighteen Mile Creek on the 198 and 300 Parcels to the surface water elevation within the creek and millrace indicates that the groundwater is generally at equivalent or greater elevations than the surface water. This indicates that groundwater is likely discharging to these surface water bodies, although seasonal fluctuations in surface and groundwater elevations may result in periods where the creek is recharging groundwater.

One new monitoring well (MW-06 RK) was installed on the Island for the purpose of investigating the hydrogeologic conditions on that portion of the Site. Although groundwater was observed in the overburden in the micro-well previously installed by the

NYSDEC (MW-06), groundwater was not encountered within the overburden at nearby MW-6 RK or historically in the other micro-well previously installed by the NYSDEC (MW-02). Groundwater occurs in the bedrock beneath the Island at a depth of approximately 14 feet below the ground surface and approximately 2.8 feet below the top of bedrock.

Groundwater elevations are plotted in a bold notation on Figure 9 next to each monitoring well. The groundwater piezometric surface contours shown were subsequently developed from these data points. The surface water elevations of Eighteen Mile Creek at William Street and at the 198 Parcel as well as the estimated standing water elevation within the deep basement of Building D are also included on the figure for reference. The piezometric surface contours illustrate that groundwater flow direction is to the west with a hydraulic gradient ranging from 0.04 to 0.09 feet per foot and averaging about 0.08 feet/foot.

The elevation of the standing water in the deep basement of Building D is about 2.5 feet above the groundwater elevation observed in MW-01 OB, indicating that the water in the basement is likely the result of precipitation that has migrated into the basement area. This also indicates that water that accumulates in the deep basement and is able to infiltrate the earthen floor recharges to groundwater.

In-situ hydraulic conductivity testing was performed at overburden wells MW-01 OB and MW-02 OB. MW-01 OB is screened within a zone of reworked cohesive soil (Fill Type #2), while MW-02 OB is screened within a zone of native soils. The results yielded a hydraulic conductivity of 5.7×10^{-4} cm/second for MW-01 OB and 3.1×10^{-3} for MW-02 OB. In-situ hydraulic conductivity testing was also performed at bedrock wells MW-01 RK, MW-04 RK, and MW-06 RK. The results yielded hydraulic conductivity values of 1.1×10^{-3} to 3.1×10^{-3} cm/second for MW-04 RK and MW-06 RK and a much slower 4.3×10^{-5} cm/second for MW-01 RK. Based on a comparison of the rock cores collected from the Site, and measurements made during groundwater sampling, the hydraulic conductivity results obtained at MW-04 RK and MW-06 RK appear to be more representative of site-wide conditions. Using an average hydraulic conductivity of 2.0×10^{-3} cm/second (neglecting MW-01 RK), a hydraulic gradient of 0.08 feet per foot and an effective porosity of 15%, the average linear groundwater flow velocity in the upper-most hydrostratigraphic unit is approximately 3 feet per day.

3.3 Surface Water

Eighteen Mile Creek flows through the western portion of the Site in a north-northwesterly direction towards its eventual discharge into Lake Ontario. Upstream from the Site, the Eighteen Mile Creek channel is directed into an approximate 3,500 feet long culvert that runs through a portion of the City of Lockport to its discharge location on the east side of the Erie Canal near Market Street. At this location, additional waters from the Erie Canal are used to supplement the Eighteen Mile Creek flow, which is then directed to the north, under the Erie Canal, where it eventually passes through the Site. The supplemental water is reportedly added to maintain adequate flow volume necessary to dilute the

discharge from the City of Lockport waste water treatment plant located approximately 3,000 feet downstream of the Site.

In the area of the Site and as shown on Figure 2, Eighteen Mile Creek has been diverted westward from its apparent natural course for approximately 300 feet by a dam along William Street. The Creek resumes its northward course after passing through a pair of culverts beneath William Street. The Creek then rejoins its natural channel at an area approximately 460 feet north of William Street. A pair of sluice gates at the east end of the dam formerly allowed an unknown rate of flow from Eighteen Mile Creek to continue downstream into a millrace along the west side of the buildings at 300 Mill Street where a water turbine was reportedly once located. Although the sluice gates are now closed and soil has been deposited behind them, leakage from the Creek through the gates and from the former turbine discharge portal supplies the millrace with a sluggish flow approximately six inches to one foot deep.

The width of the Eighteen Mile Creek channel during non-storm events ranges from about 20 feet at the north end of the Site to about 70 feet near the south end of the Site. The flow velocity increases considerably after passing through the William Street culverts due to a narrower channel and a steeper gradient. The turbidity of the water limits any visual assessment of the Creek's channel bed. However, the flow depth upstream of William Street during non-storm events is expected to vary between 2 and 4 feet deep, while the flow depth downstream of William Street is expected to be less. The borings completed near the bank of the Creek at the 198 Parcel indicate that bedrock is at an approximate elevation of 68 feet which is about 8 feet below the surface water elevation of the Creek during non-storm events.

A review of the Flood Insurance Rate Map developed for the Site's vicinity by the Federal Emergency Management Agency, indicates that Eighteen Mile Creek and its lower banks are within a 100-year flood plain and the higher portions of the Site are within a Zone C, which is an area of minimal flooding. The following table summarizes the 100 year flood elevation of Eighteen Mile Creek in relation to the Site.

Location	Approximate 100 Year Flood Elevation (site datum)
South end of Site.	81 feet
South side of William Street.	76 to 79 feet
North side of William Street.	72 feet
North end of Site.	70 feet

The surface elevation of 143 Water Street near the banks of Eighteen Mile Creek is approximately 78 feet, indicating that a 100 year flood would at least partially inundate this property. Flooding of 143 Water Street and other upstream properties along Water Street has been reported during storm events and is often believed to be the result of flow obstructions at the culverts beneath William Street.

3.4 Buildings and Infrastructure

3.4.1 Buildings

The majority of the buildings on the 198 Parcel have been razed, with remaining portions consisting of former basement walls, concrete columns, and concrete floors. The buildings that remain on the 300 Parcel consist of stone, brick and concrete construction with wooden or concrete roof deck structures. The northern area of the Site includes a steel water tower and boiler stack, former coal bunkers and a coal silo. A number of debris and scrap steel piles are also located across the Site. The approximate footprint square footage of the remaining buildings include:

- Building A – 3,050 square feet.
- Building B – 1,300 square feet.
- Building C – 5,000 square feet.
- Building D – 10,100 square feet.
- Building E – 7,600 square feet.

During the completion of the SI, one sump was identified at the southwest corner of the ground floor in Building C. The sump was about 2.5 feet wide and 3.5 feet long. The sediments within the sump were about 3 feet below the concrete floor. The bottom of the sump was not determined. A trench drain located along the interior of Building C discharges into this sump.

3.4.2 Structural Integrity

The remaining buildings are generally in a deteriorated state, with the majority of the buildings having some structural deficiencies. There are numerous openings in the floors, roof systems are partially or completely collapsed and stairways and hand rails are in poor condition. Given the poor condition of the roof systems, and exposed window and door openings, the condition of the buildings will likely continue to deteriorate due to rain, snow and freeze thaw cycles.

Two previous structural evaluations were completed at the Site and include:

- *Evaluation of the Building Complex located at 206 to 300 Mill Street, Lockport, NY*, Mesch Engineering, P.E., December 27, 1988; and
- *Structural Investigation, Flintkote Plan, Lockport, NY*, Delta Engineers, P.C., September 27, 2000.

The Mesch Engineering report identified numerous structural deficiencies and safety hazards for the entire building complex. Mesch Engineering recommended a number of improvements be made to protect the safety of site visitors and/or occupants at an estimated cost of $126,500. However, it was noted that the recommended improvements

would not be adequate to bring the complex into compliance with applicable building codes, OSHA, nor would it be structurally suitable for occupancy.

The Structural Investigation competed by Delta Engineers was completed to determine portions of the buildings that could be safely entered for the purposes of completing an asbestos abatement. This report cited numerous structural deficiencies and safety concerns. However, it was determined that the building's structural components were adequate to conduct the planned remediation. The report recommended that the buildings not be entered during severe storms or snowfall events. Strong winds and/or snow loads were identified as potential forces that could cause the roofs and walls to collapse.

During the preparation of the SI/RAR Work Plan, TVGA completed a limited structural evaluation to support the preparation of the Health and Safety Plan. The findings were used to identify restricted access areas of the buildings which included:

- The second and third floor of Building D;
- The center bay on the second floor of Building E;
- The first floor of Building C (the roof has collapsed and there are holes in the floor);
- The center bay on the north end of the ground floor of Building E.

If the County plans to reuse or restore portions of buildings or facades for historical significance, an updated and detailed structural evaluation would be necessary due to the buildings continued deterioration since the previously noted structural evaluations.

4.0 ANALYTICAL RESULTS

4.1 General Discussion

The following sections summarize and discuss the analytical data generated as a result of the SI. These data have been utilized to determine the nature and extent of contamination at the Site based upon comparisons with applicable Standards, Criteria and Guidance Values (SCGs). The STL analytical laboratory reports are included in Appendix G, while the chain-of-custody records are presented in Appendix H. These data were validated in accordance with the NYSDEC approved QA/QC Plan and the resulting Data Usability Summary Report (DUSR) is included in Appendix I. A series of tables (Table 7 through Table 12) summarizing the data relative to the applicable SCGs has been integrated into the following discussions. Only compounds with one or more detection are shown on the summary tables. Compounds with concentrations that exceed their respective SCGs have been shaded. Definitions of the data qualifiers included on the summary tables are included on Table 13.

Surface and subsurface soil/fill, groundwater, surface water, sediment, and building material and component samples were collected for chemical analysis to determine the magnitude and extent of potential contamination occurring in these media. A summary of the samples collected from these media, including the number and type of QA/QC samples and the corresponding analytical methods are presented in Table 1. The following sections describe the sampling that was performed and the analytical results.

4.1.1 Background Soil

Two surface soil samples (SS-11 and SS-12) were collected from off-site locations to define background soil chemistry in the vicinity of the Site. These samples were analyzed for SVOCs, pesticides, PCBs, and metals, as presented in Table 7.

Three SVOCs, including: benzo (a) anthracene, benzo (a) pyrene, and dibenzo (a,h,) anthracene were detected at concentrations exceeding their respective regulatory values. No PCBs were detected in these samples. Four individual pesticides were detected in at least one of the background soil samples, with only dieldrin being detected at a concentration above its regulatory value.

A comparison of the metals results from these two samples indicate they generally coincide and are therefore considered representative of background metals levels in the vicinity of the Site. The average concentrations of the metals detected from these two samples was used as the Site Background value for comparison with metals data from on-site soil/fill samples as prescribed in NYSDEC TAGM 4046.

4.1.2 Surface Soil/Fill

Ten surface soil/fill grab samples were collected from across the Site to investigate areas of potential concern and to define surficial conditions across the Site. The samples

consisted either of topsoil, or a mixture of topsoil, ash, and miscellaneous debris. All ten of the samples were analyzed for SVOCs, pesticides, PCBs and metals. The results of these analyses are presented in Table 7. VOCs were not included in the analyses because limited VOCs have been detected at the Site during past investigations and most VOCs, if historically present, likely have volatilized from the surface soil/fill over time.

SVOCs

A total of twenty five different SVOCs were detected in the surface soil samples. Of the twenty-five, fifteen SVOCs had concentrations that exceeded their respective regulatory values in at least one of the ten surface soil samples. These fifteen SVOCs and the frequency at which the concentrations exceeded their respective regulatory values include the following:

- anthracene (1 of 10);
- benzo (a) anthracene (9 of 10);
- benzo (a) pyrene (9 of 10);
- benzo (b) fluoranthene (5 of 10);
- benzo (k) fluoranthene (6 of 10);
- chrysene (9 of 10);
- dibenzo (a,h) anthracene (6 of 10);
- dibenzofuran (1 of 10);
- diethyl phthalate (1 of 10);
- fluoranthene (2 of 10);
- indeno(1,2,3-cd)pyene (1 of 10);
- naphthalene (1 of 10);
- phenanthrene(1 of 10);
- phenol (1 of 10); and
- pyrene (1 of 10).

The highest concentrations of SVOCs were identified in the three surface soil samples collected from the 300 Parcel (SS-6, SS-7, and SS-8) with total SVOC concentrations ranging from about 190,000 ppb to 1,500,000 ppb. In addition, several individual compounds from SS-6 were detected at concentrations exceeding 50,000 ppb. The surface soil samples collected from the 198 Parcel (SS-1, and SS-2) revealed total SVOC concentrations ranging from about 65,000 ppb to 150,000 ppb. The remaining surface soil samples collected from the Island area and the WSS revealed total SVOC concentrations ranging from about 8,000 ppb to 50,000 ppb.

Historic near-surface soil/ash samples from the Island that were collected and analyzed by NYSDEC (W-3 and W-4) generally encountered similar SVOCs but at higher concentrations. It appears that this could be related to a higher percentage of ash in the

W-3 and W-4 samples. In most cases, the concentrations of SVOCs on the Site exceed the concentrations of SVOCs in the two background soil samples.

PCBs

One PCB aroclor (1254) was detected in three of the ten surface soil/fill samples (SS-1 and SS-2 from the 198 Parcel, and SS-5 from the Island). Concentrations ranged from 1,100 ppb to 4,600 ppb, all of which exceed the regulatory value of 1,000 ppb.

Historic near surface soil/ash samples from the Island that were collected and analyzed by NYSDEC (W-3 and W-4) detected aroclor 1248 and aroclor 1254 at total concentrations of 620 ppb and 110 ppb respectively. A subsurface ash sample collected at a depth of 0 to 4 feet bgs (198-E) also contained aroclor 1248, 1254, and 1260 at concentrations ranging from 840 to 3,500 ppb.

Pesticides

Ten individual pesticides were detected in the surface soil/fill samples from across the Site, with the exception of the 198 Parcel where no pesticides were detected. Concentrations were generally less than 20 ppb and were slightly higher than the pesticide concentrations in the background samples. No concentrations of pesticides exceeded their regulatory values.

Metals

All concentrations of detected metals, with the exception of aluminum, cyanide, and vanadium, exceeded their regulatory values in at least one of the ten surface soil/fill samples. In most cases, the metals concentrations on the Site exceed the metals concentrations in the two background soil samples.

The detected metals concentrations are generally uniform when comparing samples collected from distinct geographic areas of the Site (i.e. 198 Parcel, Island, 300 Parcel and WSS). The highest concentrations of metals occurred on the 198 Parcel (SS-1 and SS-2) with lead concentrations exceeding 7,000 parts per million (ppm) and mercury concentrations exceeding 5 ppm for both samples. Surface soil samples SS-1 and SS-2 consisted mainly of apparent topsoil intermixed with a silty type soil. The surface soil/fill samples collected from the Island and WSS exhibited lead concentrations ranging from 319 to 2,860 ppm and mercury concentrations ranging from 0.71 to 8.0 ppm. The concentrations of metals in the surface soil/fill samples from the 300 Parcel are considerably less than the other samples. However, mercury was detected at a concentration of 10.8 ppm in SS-6. This sample also exhibited the highest concentrations of SVOCs.

The NYSDEC collected and analyzed three surface soil/fill samples (SS-1 through SS-3) from the WSS for total lead. The results ranged from 686 to 4,250 ppm, which are

generally consistent with the results from this SI. Furthermore, historic near-surface soil/ash samples from the Island that were collected and analyzed by the NYSDEC (W-3 and W-4) contained lead at concentrations ranging from 2,830 to 5,150 ppm and mercury at concentrations ranging from 2.7 to 2.8 ppm, which are also consistent with the results from this SI.

Historic Toxicity Characteristic Leaching Procedure (TCLP) testing completed by the NYSDEC indicated that hazardous levels of lead are present in the surface soil/fill that occurs on the WSS and the Island. Hazardous lead concentrations were also detected in subsurface fill samples collected from the 198 Parcel by the NYSDEC. The results for the following soil/fill samples formed the basis for these determinations:

- SS-3, surface soil/fill sample collected from WSS.
- W-3, ash fill sample collected from the surface of the Island.
- W-4, ash fill sample collected from the surface of the Island.
- SB-6, ash fill sample collected at 0 to 4 ft. bgs on the Island.
- 198-D, ash fill sample collected from 0 to 4 ft. bgs and from 4 to 8 ft. bgs on the 198 Parcel.
- 198-E, ash fill sample collected at 0 to 4 ft. bgs and from 8 to 12 ft. bgs on the 198 Parcel.

These results indicate that soil/fill with a total lead concentration greater than 7,000 ppm typically has TCLP lead concentrations in excess of the characteristic hazardous waste criterion of 5 ppm. However, total lead concentrations as low as 2,800 ppm have resulted in TCLP lead concentrations above 5 ppm. Conversely, total lead concentrations as high as 19,300 ppm have resulted in TCLP lead concentrations below 5 ppm. Based on the total lead results from the surface soil/fill samples collected during this SI, the two surface samples collected from the 198 Parcel have a total lead concentration exceeding 7,000 ppm.

4.1.3 Subsurface Soil/Fill

A total of nineteen subsurface soil/fill samples were collected from test borings and soil probes from across the Site. This included eight fill material samples and eleven apparent native soil samples. The selection of subsurface soil/fill samples for chemical analysis was completed in general accordance with the Work Plan, which stated that a portion of the samples were to consist of the soil/fill material from across the Site while a portion of the samples were to consist of apparent native soils to determine if contaminants have migrated from the fill type soils into the native soils. Additionally, subsurface soil/fill samples were submitted for chemical analysis in order to provide chemical characterization of fill and native soils in areas not previously characterized during the NYSDEC investigations. The following table provides a summary of the subsurface soil and fill samples submitted for analytical testing.

Sample Location	Sample Depth (ft. bgs)	Material
198 Parcel		
SP-2	2 to 6	Native with native above, east bank of Eighteen Mile Creek.
SP-3	0 to 4	Native with native above, beneath former building concrete floor.
MCW-1	6 to 10	Native with native above, east bank of Eighteen Mile Creek.
MW-4 RK	3 to 5	Ash/soil fill.
MW-4 RK	6 to 8	Native, directly below ash/soil fill.
WSS		
SP-6	2 to 4	Native, former garden area. Near NYSDEC historic SS-2.
SP-7	2 to 4	Native, just east of the WSS berm area.
SP-9	1 to 4	Fill, west portion of WSS berm area.
SP-23	1 to 4	Fill, east portion of WSS berm area. Near NYSDEC historic SS-3.
Island		
SP-11	4 to 10	Ash fill.
SP-11	10 to 12	Native, directly below ash fill, (PCBs and metals analysis only).
SP-12	0 to 2	Ash fill, near northern limits of fill area.
SP-13	0.5 to 3.5	Native, just north of the fill limits.
MW-6 RK	8 to 10	Native, directly below ash fill.
300 Parcel		
SP-16	8 to 12	Native, below re-worked fill soils.
SP-19	4 to 8	Black ash fill.
SP-21	4 to 5	Black ash fill.
MW-2 OB	24 to 26	Native, directly below black ash fill.
MW-3 RK	14 to 15.5	Re-worked fill soils/wood that exhibited a slight petroleum odor, (VOC analysis only).

Most of the subsurface soil/fill samples were analyzed for VOCs, SVOCs, PCBs, pesticides, and metals. Exceptions to this include the subsurface soil/fill sample collected from SP-11 at a depth of 10 to 12 feet bgs, which was submitted only for metals and PCBs and the subsurface soil/fill sample collected from MW-03 RK at a depth of 14 to 15.5 feet bgs, which was submitted only for VOCs, due to limited soil volumes. The results of these analyses are presented in Table 8.

Often times, more than one split spoon or soil probe sample was required to generate the necessary soil volume for analysis. For instance, the VOC analysis for SP-2 was completed on soil collected from 2 to 4 feet bgs depth while the remaining analyses for SP-2 were completed on soil collected from 2 to 6 feet bgs. Because of the varying depth, the samples have individual identifications and are presented in the summary tables as individual samples. However, when discussing the analytical results, the two samples with varying depths are discussed as one soil sample location.

VOCs

The VOCs detected in the subsurface soil include acetone, and methylene chloride at concentrations below their respective guidance values. Acetone and methylene chloride

are likely laboratory contaminants. Petroleum related VOCs were not identified in the soil sample from MW-3 RK, which exhibited a slight petroleum odor when collected.

SVOCs

A total of twenty-four different SVOCs were detected in the sub-surface soil samples. Of the twenty-four, seven SVOCs had concentrations that exceeded their respective regulatory values in at least one of the nineteen sub-surface soil samples. These seven SVOCs and the frequency at which the concentrations exceeded their respective regulatory values are:

- benzo (a) anthracene (8 of 19);
- benzo (a) pyrene (10 of 19);
- benzo (b) fluoranthene (5 of 19);
- benzo (k) fluoranthene (4 of 19);
- chrysene (8 of 19);
- dibenzo (a,h) anthracene (9 of 19); and
- phenol (1 of 19).

The concentrations of detected SVOCs exceeding their regulatory values were relatively uniform in most of the fill samples with total concentrations of SVOCs ranging from approximately 1,800 ppb to 41,800 ppb. Exceptions to this included the fill sample from MW-4 RK with a total SVOCs concentration of about 210,000 ppb. The concentrations of the SVOCs detected in the native soils were generally low and only exceeded the guidance values in the soil samples from SP-2, MW-4 RK, and SP-16, which exhibited total SVOC concentrations ranging from approximately 1,900 ppb to 35,500 ppb.

A significant decrease in the concentrations of SVOCs is noted when comparing the fill soils versus the native soils. In particular, the total SVOC concentration in the native soil sample from MW-4 RK (1,935 ppb), which was collected directly beneath the fill material, shows a decrease in the cumulative concentration of SVOCs of approximately two orders of magnitude from that detected in the overlying fill sample collected from MW-4 RK (210,000 ppb). The same can be said when comparing the total SVOC concentrations of the native soil sample from MW-6 RK (non detect) to the total SVOC concentrations of the fill samples collected from nearby SP-11 (4,100 ppb) and SP-12 (41,800 ppb).

SVOC impacts to the soils beneath the former building on the 198 Parcel were not identified. The native soils near the fill material berm on the WSS and the native soils to the north of the fill on the Island revealed limited SVOC impacts and no concentrations above guidance values. In particular, the soil sample collected from SP-6 (former garden area of 143 Water Street) at a depth of 2 to 4 feet contained only 3 SVOCs, with each concentration well below their respective guidance values.

Based on a review of the historic sub-surface soil/fill samples that were collected and analyzed by NYSDEC for SVOCs, the SVOCs detected during this SI are generally consistent with the three ash samples collected from the 300 Parcel (300-H and 300-I), the four ash samples collected on the Island (SB-2, SB-3, and SB-6), and the six ash samples collected from the 198 Parcel (198-B, 198-D, and 198-E).

PCBs

PCB aroclors (1254 and 1260) were detected in the fill samples from MW-4 RK, SP-11, and SP-19. The highest concentrations, ranging from 1,800 ppb to 2,800 ppb, were detected in SP-11. Lower concentrations of about 500 ppb were detected in MW-4 RK and a concentration of 22 ppb was detected in SP-19. All detected concentrations are below the regulatory value of 10,000 ppb. No PCBs were detected in the native soil samples collected from SP-11 or MW-4 RK, indicating that PCBs have not migrated downward into the native soils.

PCBs have been detected in historic subsurface ash samples collected by NYSDEC from the 300 Parcel at soil probe 300-B and 300-D, from the Island at soil probe SB-2, and from the 198 Parcel at soil probe 198-E. Individual concentrations were generally below 100 ppb, with the exception of 198-E where the total PCB concentration was 6,840 ppb. All detected concentrations were below regulatory values.

Pesticides

Five individual pesticides were detected in three native and six fill samples from across the Site. Two of these native samples (SP-2 and SP-16) are also noted to have SVOC concentrations exceeding regulatory values. Individual pesticide concentrations were generally less than 20 ppb. No detected concentrations of pesticides exceeded their regulatory values.

Metals

The analytical results for the metals analysis revealed the presence of numerous metals exceeding their regulatory values. The detected metals concentrations are generally uniform when comparing samples collected from similar materials including the:

- Reddish brown ash fill material located on the Island, WSS and 198 Parcel;
- Black ash fill materials on the 300 Parcel, and
- Native soils from across the Site.

The samples of reddish brown ash typically exhibited the highest levels of metals including lead at concentrations between 1,000 ppm and 10,000 ppm and mercury at concentrations up to 20 ppm (MW-4 RK). The black ash that was typically encountered on the 300 Parcel had significantly lower metals levels, including lead concentrations below 100 ppm and mercury concentrations below 0.4 ppm.

These findings are generally consistent with the findings of the NYSDEC investigations. That is, typically higher metal concentrations were identified on the 198 Parcel, WSS, and the Island area. These three areas also include the areas where TCLP results defined lead concentrations that exceed hazardous waste concentration levels.

As discussed in Section 4.1.2, historical sampling and analysis completed by the NYSDEC shows that soil/fill with total lead concentration greater than 7,000 ppm typically has TCLP lead concentrations in excess of the characteristic hazardous waste criterion of 5 ppm. Based on the total lead results from the subsurface soil/fill samples collected during this SI, the two subsurface samples collected from the Island have total lead concentrations exceeding 7,000 ppm.

The metals results for the native soil samples were generally uniform and significantly less than the concentrations of metals identified in the fill materials. In particular, the lead concentrations in nearly all of the native samples were less than 25 ppm. Exceptions to this included the samples from SP-2 (914 ppm) and MCW-1 (91 ppm). Similarly, mercury concentrations detected in the native samples were below the regulatory value of 0.10 ppm, with the exception of the sample from SP-2 (0.63 ppm). When comparing fill soils verses the native soils collected from the same boring, a significant decrease in the metals concentrations is noted. For instance, the lead concentration in the native soil sample from MW-4 RK, which was collected directly beneath the fill soils, was 41 ppm, while the overlying fill sample from the same boring showed a lead concentration of over 1,000 ppm. The same can be said when comparing the lead concentration in the native soil sample from SP-11 (12.1 ppm) to the lead concentration in overlying fill material (10,000 ppm) in the same boring.

4.1.4 Groundwater

Groundwater samples were collected from the ten newly installed monitoring wells and the three existing monitoring wells. The groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The analytical results are presented on Table 9 for both the overburden and bedrock groundwater samples. These tables also present the applicable ambient water quality standards (WQS) and guidance values established in the NYSDEC *Division of Water Technical and Operational Guidance Series* (TOGS) 1.1.1 (1998).

4.1.4.1 Overburden Groundwater

The six overburden groundwater monitoring wells are identified as MW-01 OB, MW-02 OB, MCW-01, MW-06, 198-E, and 198-F, and were screened in the upper-most water bearing zone of the overburden.

VOCs

No VOCs were detected in any of the overburden groundwater samples.

SVOCs

A total of six different SVOCs were detected in the overburden groundwater samples with the most commonly detected compound consisting of bis(2-ethylhexyl)phthalate. The detected SVOCs were all at concentrations below 2 ppb and their respective WQS.

PCBs

One PCB aroclor (1254) was detected at a concentration of 8.1 ppb in the overburden groundwater sample from 198 F. This exceeds the WQS of 0.09 ppb established for this compound. This concentration is consistent with the findings of the NYSDEC's investigation which identified a PCB concentration of 6.2 ppb in the same monitoring well. No other PCBs were detected in the remaining overburden groundwater samples.

Pesticides

One pesticide, endrin-ketone, was detected at a concentration of 0.021 ppb in the groundwater sample from MW-2 OB, well below its WQS of 5 ppb. No other pesticides were detected in the remaining overburden groundwater samples.

Metals

The analytical results for the non-filtered overburden groundwater samples revealed numerous exceedances of the WQS for the total metals analysis. Nine or more metals were detected at concentrations exceeding their respective WQS for the overburden groundwater. The detected concentrations of metals in the overburden groundwater samples were relatively uniform with higher concentrations noted in 198-F, MCW-1, and MW-2 OB. These three locations were observed to have the highest measured turbidity levels during collection of the groundwater samples.

As a result of the high turbidity recorded during sampling and as outlined in the Work Plan, groundwater samples from all the overburden wells were filtered in the field, and shipped to STL for storage. Based on an initial review of the total metals results, the filtered samples were analyzed for the eight metals included on the Resource Conservation Recovery Act (RCRA 8) list which include arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver

As shown in Table 9, a significant reduction in the concentration and frequency of detections were noted for the dissolved metals analysis. In particular, the metals concentrations did not exceed any of the WQS in the filtered groundwater samples. This confirms that the elevated metals concentrations detected during the total metals analysis are associated with the high turbidity of the samples.

The following table presents the detected concentrations (ppb) of the dissolved RCRA 8 metals for the overburden groundwater samples. If the compound was not detected at a concentration above its detection limit, it is not shown.

Well	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
198-E		353					5.8	
198-F		101	2	1.1	13.3			
MCW-1	4.4	182					5.3	
MW-06		92.5	0.39				5.7	
MW-1 OB	5.9	184						
MW-2 OB		282			5.6		12.8	

Concentrations shown in units of ppb.

The concentrations of detected metals are generally consistent in the overburden groundwater. This coupled with the fact that no WQS were exceeded for the dissolved RCRA-8 analysis, indicates that site-derived metals impacts to the overburden groundwater have not been identified.

4.1.4.2 Bedrock Groundwater

The seven bedrock groundwater monitoring wells are identified as MW-01 RK through MW-07 RK and were screened in the fractured bedrock zone.

VOCs

With the exception of chloroform, which was detected at a concentration of 2 ppb in MW-01 RK, no VOCs were detected in any of the bedrock groundwater samples. The WQS for chloroform is 7 ppb.

SVOCs

A total of four different SVOCs were detected in the bedrock groundwater samples with the most commonly detected compounds consisting of bis(2-ethylhexyl)phthalate and dibenzo(a,h)anthracene, which were detected at concentrations below 1 ppb. The only SVOC detected at a concentration exceeding its WQS was pentachlorophenol, which was detected at a concentration of 200 ppb in the water sample from up-gradient well MW-1 RK. The WQS for pentachlorophenol is 1 ppb.

PCBs

No PCBs were detected in any of the bedrock groundwater samples.

Pesticides

No pesticides were detected in any of the bedrock groundwater samples.

Metals

Two or more parameters were detected at concentrations exceeding their respective WQS for non-filtered bedrock groundwater samples. Similar to the overburden groundwater results, the detected concentrations of metals in the bedrock groundwater samples were relatively uniform and the bedrock groundwater samples with the higher measured turbidity levels during sampling generally exhibited higher metals concentrations. Typically, the detected concentrations of metals and the frequency of detections were lower for the non-filtered bedrock groundwater samples than the non-filtered overburden groundwater samples.

As a result of the high turbidity recorded during sampling and as outlined in the Work Plan, groundwater samples from all the bedrock wells, except MW-1 RK and MW-5 RK were filtered in the field, and shipped to STL for storage. The collected filtered samples were analyzed for the RCRA 8 list of metals.

As shown in Table 9, a significant reduction in the concentration and frequency of detections were noted for the dissolved metals analysis. In particular, concentrations of detected metals did not exceed any of the WQS in the filtered groundwater samples. This confirms that the elevated metals concentrations detected during the total metals analysis are associated with the high turbidity of the samples. The following table presents the detected concentrations (ppb) of the dissolved RCRA 8 metals for the groundwater samples. If the metal compound was not detected at a concentration above its detection limit, it is not shown. The total metals value is shown for MW-1 RK and MW-5 RK because a filtered sample was not collected from these locations.

Well	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
MW-1 RK*		50.2		0.9	3.4		5.2	
MW-2 RK		28.6	1.3		2.7		5.1	
MW-3 RK	3.4	80.4					5.2	
MW-4 RK		156						
MW-5 RK*	10.9	540		0.9	6		5.4	
MW-6 RK		215		0.83				
MW-7 RK	5.2	49.7					5.3	

Concentrations shown in units of ppb.

* Total Metals Results

The concentrations of detected metals are generally consistent in the bedrock groundwater. This coupled with the fact that no WQS were exceeded for the dissolved RCRA-8 analysis, site-derived metals impacts to the bedrock groundwater have not been identified.

4.1.5 Building Materials and Components

The inspection and sampling of building materials and components focused on concrete floors; material adhered to wall surfaces; sediment occurring within sumps and basements; and standing water present within the deep basement. The inspection and sampling procedures that were implemented for these media are outlined in Section 2.1.11. In addition, one surface water and one sediment sample was collected from a pipe outfall to Eighteen Mile Creek near William Street as outlined in Section 2.1.12.

The extent of the contamination associated with the Site's drainage system has not been fully defined because the system (interior and exterior) has not been fully delineated. This is a function of the age and complexity of the system and the severely deteriorated condition of the buildings. This section provides information for only those areas where samples were collected and analyzed.

4.1.5.1 Concrete Floor Surface and Soil Above Concrete

The analytical results for the two concrete floor samples (SS-01-CC and SS-03-CC) and the one soil/sediment sample (SS-02-SED) collected from above the area of SS-03-CC, are presented in Table 11. These samples were collected from Building B, which is an area suspected of historically being used as a transformer room. As such, these samples were analyzed only for PCBs.

PCB aroclors (1242 and 1260) were detected in the concrete samples at concentrations ranging from 9.2 ppb to 92 ppb, well below the regulatory value of 5,000 ppb. Aroclors 1242, 1260, and 1254 were detected in the soil sample at concentrations ranging from 110 ppb to 240 ppb, well below the regulatory value of 1,000 ppb.

4.1.5.2 Sediments

Three sediment samples were collected from within the buildings. The samples were collected from lower portions of the buildings where contaminants originating from most areas of the building would likely be deposited and include:

- One sample from the sump/low area located in the basement of Building E (BLDG E-SED);
- One sample from the sump in Building C (BLDG C-SED); and
- One sample from beneath the standing water in the deep basement of Building D (BLDG D-SED).

All of these samples were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results of these analyses are presented in Table 12. The results were compared to the NYSDEC's TAGM 4046 guidance values for surface soils.

VOCs

No VOCs were detected in the three sediment samples.

SVOCs

A total of eighteen different SVOCs were detected in at least one of the three sediment samples. Of the eighteen, nine SVOCs had concentrations that exceeded their respective regulatory values in at least one of the three sediment samples. These nine SVOCs and the frequency at which the concentrations exceeded their regulatory values are:

- benzo (a) anthracene (1 of 3);
- benzo (a) pyrene (2 of 3);
- benzo (b) fluoranthene (1 of 3);
- benzo (k) fluoranthene (1 of 3);
- bis (2-ethylhexyl) phthalate (2 of 3);
- chrysene (3 of 3);
- dibenzo (a,h) anthracene (1 of 3);
- dimethyl phthalate (1 of 3); and
- di-n-butyl phthalate (1 of 3).

The Building D sediment sample had the highest concentrations of SVOCs including bis(2-ethylhexyl)phthalate with an individual concentration of 120,000 ppb. The concentrations of SVOCs in the Building C sediment sample were the lowest of the three sediment samples. None of the samples exceeded the guidance value of 500,000 ppb for total detected SVOCs, which ranged from 8,240 to 180,050 ppb for the three sediment samples.

In general, the type and concentrations of SVOCs detected in the sediment samples are similar to the SVOCs detected in the surface soil/fill samples and the subsurface fill samples.

PCBs

One or more PCBs were detected in each sediment location including: aroclor 1242, aroclor 1254, and aroclor 1260. The concentrations detected in the Building D and Building C sediment samples exceed the regulatory value of 1,000 ppb. The concentrations in the Building D sediment sample (108,000 ppb) are about 10 times greater than the concentration detected in the Building C sediment sample (7,300).

Pesticides

No pesticides were detected in the three sediment samples.

Metals

All concentrations of metals, with the exception of aluminum, barium, beryllium, cobalt, cyanide, magnesium, potassium, and vanadium, exceeded the regulatory values in all three sediment samples. Only the regulatory value for cobalt, cyanide, potassium, and vanadium were not exceeded in any of the three sediment samples.

The metals concentrations are generally uniform for the three sediment samples, except for the copper (53,400 ppm) and lead (13,600 ppm) concentrations in the Building C sediment sample, which are more than 10 times the concentrations detected in the other two sediment samples.

4.1.5.3 Felt/Tar from Building D Column

One sample of felt/tar like material was scraped from the center column within the ground floor of Building D (BLDG D-FELT). This sample was analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results of these analyses are presented in Table 12. In the absence of applicable regulatory guidance values, the analytical results were compared to the NYSDEC's TAGM 4046 guidance values for surface soils. This material appeared to be similar in nature to the NYSDEC's historic W-6 sample collected from a window sill on the west side of Building D.

VOCs

No VOCs were detected in the felt/tar sample.

SVOCs

A total of six SVOCs were detected in the tar/felt sample. Of the six, two SVOCs were detected at concentrations exceeding their respective regulatory values including di-n-butyl phthalate detected at a concentration of 14,000 ppb exceeding its regulatory value of 8,100 ppb, and pentachlorophenol detected at a concentration of 250,000 ppb exceeding its regulatory value of 1,000 ppb. Pentachlorophenol was not detected in the NYSDEC historic W-6 sample and was not detected in the three building sediment samples collected during this SI.

PCBs

Aroclor 1242 was detected at a concentration of 6,300 ppb, which exceeds its regulatory value of 1,000 ppb. No other PCBs were detected in the felt/tar sample. PCBs were not detected in the NYSDEC historic W-6 sample.

Pesticides

Two individual pesticides were detected at concentrations of less than 2,000 ppb. Of the two, Dieldrin, detected at a concentration of 1,400 ppb, exceeded its regulatory value of 44 ppb. Gamma-BHC was detected in the NYSDEC historic W-6 sample at a concentration of 0.3 ppb.

Metals

Ten metals were detected in the tar/felt sample at concentrations that exceeded their guidance values. The concentrations of metals were in most cases significantly lower than the metals concentrations in the three sediment samples collected from the building. The metals detected in the NYSDEC historic W-6 sample are generally consistent with the metals detected in the tar/felt sample collected and analyzed during this SI.

4.1.5.4 Standing Water

One sample of standing water from the deep basement of Building D was collected and analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results of these analyses are presented in Table 10 and are compared to the WQS for surface water as a source of drinking water.

VOCs

No VOCs were detected in the standing water sample.

SVOCs

No SVOCs were detected in the standing water sample.

PCBs

Aroclor 1248 was detected at a concentration of 0.6 ppb, exceeding its regulatory value of 0.09 ppb. No other PCBs were detected in the standing water sample.

Pesticides

Two pesticides were detected in the standing water. These included 4,4'DDT at a concentration of 0.09 ppb and dieldrin at a concentration of 0.1 ppb. Only the dieldrin concentration exceeded its regulatory value of 0.004 ppb.

Metals

Only iron, detected at a concentration of 419 ppm, exceeded its regulatory value of 300 ppm. All other metal concentrations are below their regulatory value.

4.1.6 Surface Water/Sediment at Outfall to Eighteen Mile Creek

One surface water (EMCO-1-SW) and one sediment sample (EMCO-1-SED) were collected from within the approximate 24 inch diameter concrete pipe near its outfall to Eighteen Mile Creek at William Street. Both samples were analyzed for VOCs, SVOCs, pesticides, PCBs and metals. The results of these analyses are presented in Table 10. The surface water sample results were compared to the WQS for surface water as a source of drinking water. The sediment sample results were compared to the NYSDEC's March 1998 Technical Guidance for Screening Contaminated Sediments.

No VOCs, SVOCs, PCBs or pesticides were detected in the surface water sample. The detected metals concentrations in the surface water were all below their respective WQS. Contaminants detected in the sediment sample are discussed below.

VOCs

No VOCs were detected in the pipe sediment sample.

SVOCs

A total of nineteen different SVOCs were detected in the pipe sediment sample. Of the nineteen, seven SVOCs had concentrations exceeding their regulatory values including:

- benzo (a) anthracene;
- benzo (a) pyrene;
- benzo (b) fluoranthene;
- benzo (k) fluoranthene;
- chrysene;
- indeno(1,2,3-cde)pyrene; and
- phenanthrene.

Fourteen of the eighteen detected SVOCs had concentrations exceeding 100,000 ppb. The detected SVOCs in the pipe sediment are similar in nature to those detected in the three sediment samples from the building and those detected during previous NYSDEC

investigations of the Eighteen Mile Creek sediments. However, the concentrations of SVOCs in the pipe sediment are typically one to two orders of magnitude higher than the aforementioned samples.

PCBs

No PCBs were detected at concentrations exceeding their detection level. However, it should be noted that relatively high detection levels exist for this sample.

Pesticides

Two individual pesticides, endrin and endrin ketone, were detected in the pipe sediment sample. However, the concentrations did not exceed their respective regulatory values.

Metals

Antimony, copper, lead, mercury, nickel and zinc were detected at concentrations exceeding their respective regulatory values. The greatest exceedances include: the copper concentration of 134 ppm, which exceeds its regulatory value of 16 ppm by roughly ten times; and the lead concentration of 199 ppm, which exceeds its regulatory value of 31 ppm by roughly 7 times. The copper and lead concentrations as well as the concentrations of other metals in the pipe sediment are generally consistent with the metals results from the sediment samples collected from Eighteen Mile Creek and the millrace by the NYSDEC.

4.1.7 Surface Water/Sediment from Eighteen Mile Creek

One surface water sample and seven sediment samples were collected from Eighteen Mile Creek in the vicinity of the Site in conjunction with previous site investigations conducted by the NYSDEC. The surface water sample was collected from a pipe discharging into the millrace from the 300 Mill Street Parcel, while the sediment samples were collected from Eighteen Mile Creek at locations upstream, in the vicinity of and downstream of the Site. Each of the samples were analyzed for TCL VOCs, SVOCs, pesticides, PCBs and TAL metals. The results of these analyses are presented in Tables 6-6 and 6-7 of NYSDEC's September 2000 Site Investigation Report, which is included as Appendix J. The surface water sample results were compared to the WQS for surface water as a source of drinking water. The sediment sample results were compared to the NYSDEC's March 1998 Technical Guidance for Screening Contaminated Sediments.

No VOCs, PCBs or pesticides were detected in the surface water sample, while bis(2-ethylhexyl)phthalate and di-n-octylphthalate were the only SVOCs detected in the surface water sample. The concentration of bis(2-ethylhexyl)phthalate was below the WQS and, while there is no WQS for di-n-octylphthalate, the concentration was below the guidance value. The detected metals concentrations in the surface water were all below their respective WQS' with the exception of iron, which was detected at a concentration that

was more than seven times the WQS. Contaminants detected in the sediment samples are discussed below.

VOCs

No VOCs were detected in the creek sediment samples.

SVOCs

A total of twenty-two different SVOCs were detected in one or more of the sediment samples. Of the twenty-two, six SVOCs had concentrations that exceeded their respective regulatory values in one or more of the sediment samples. These six SVOCs and the frequency at which the concentrations exceeded their regulatory values are:

- benzo (a) anthracene (6 of 7);
- benzo (a) pyrene (6 of 7);
- benzo (b) fluoranthene (7 of 7);
- benzo (k) fluoranthene (3 of 7);
- chrysene (6 of 7); and
- indeno(1,2,3-cde)pyrene (4 of 7).

The remaining SVOCs were detected at concentrations below the regulatory values and consisted of sixteen PAHs and three phthalates.

PCBs

PCBs were detected in each of the sediment samples at concentrations ranging from 360 ppb to 8,800 ppb. However, none of these concentrations exceeded the regulatory values utilized in the NYSDEC's September 2000 Site Investigation Report.

Pesticides

No pesticides were detected in any of the sediment samples. However, the sediment sample collected immediately north of William Street (SED-A) contained dioxin (total 2,3,7,8 TCDD toxic equivalent) at a concentration of 0.1546 ppb.

Metals

Arsenic, cadmium, chromium, copper, iron, lead, nickel, mercury, silver and zinc were detected at concentrations exceeding their respective regulatory values. With the exception of SED-5, the concentrations of the metals were generally consistent with the metals results from the sediment sample collected at the outfall to Eighteen Mile Creek by TVGA. The concentration of metals in one sediment sample (SED-5) was generally an order of magnitude greater than the other six sediment samples. This sample was

collected south of William Street on the east side of the creek approximately 40 feet upstream of the sediment sample (EMCO-1-SED) collected by TVGA.

4.1.8 Asbestos-Containing Materials

The results from the visual asbestos survey identified several areas of suspect ACM across the Site. Most of the suspect ACM would likely be classified as non-friable or non-friable organically bound, including: roofing material, window glazing, materials within the debris piles, floor tile mastic, electrical wire, insulation/backer board, transite panels, gaskets, canvas cloth, and tar. The suspect ACM that would likely be identified as friable was generally found in small quantities. However, if determined to contain asbestos, some of the larger quantities would include the prefabricated roofing blocks of Building D, the fire brick inside the furnace in the Boiler Room, and the brick mortar associated with the coal silo, chimney and building structures. The following table summarizes the suspect friable ACM.

Potential Friable ACM Identification	Photo ID	Approximate Quantity	Description
DW-13	11	200 square feet	Drywall in Building A
MJP-15	13	5 linear feet	Mud joint packing in Building C
WP-21	22	Not estimated	Wall plaster throughout Building B
MJP-24	24	5 linear feet	Mud joint packing in basement of Building D
FM-25	25	Not estimated	Felt material throughout Building D
BM-27	27	Not estimated	Brick mortar throughout Building D
PI-28	29	30 linear feet	Pipe Insulation in Building D
PFRB-30	35	4,100 square feet	Prefabricated roofing blocks of Building D
PM-34	36	1 square foot	Patching material in Building E
PI-38	38	2 linear feet	Pipe insulation in Building E
PI-40	40	10 linear feet	Pipe insulation in Building E
MJP-45	47	5 linear feet	Mud joint packing in Boiler Room
PL-47	49	Not estimated	Plaster throughout the Boiler Room
FB-48	50 and 51	Unknown	Fire brick inside of furnace in the Boiler Room
PI-49	52	15 linear feet	Pipe insulation outside boiler room roof area
BM-51	54	Not estimated	Coal silo brick mortar
BM-52	55	Not estimated	Chimney brick mortar

Notes:
1) Photo ID corresponds to the photographs included within the "October 13, 2003 Visual Asbestos Survey" prepared by Aaction Environmental Services, Inc.

It is important to note that this assessment did not include the sampling or analysis of suspect ACM.

4.2 Nature, Extent and Source of Contamination

4.2.1 Surface Soil/Fill

The contaminants of concern in the surface soil/fill samples include SVOCs, metals, and to a lesser degree, PCBs. The SVOCs detected consisted mainly of polycyclic aromatic hydrocarbons (PAHs), and some phthalates. PAHs are a group of chemicals that are formed during the incomplete burning of coal, oil, gas, wood or other organic substances. A few PAHs are used to make plastics, dyes, and pesticides while others are contained in asphalt, crude oil, coal, coal tar, roofing tar, etc. Phthalates are chemicals typically used to soften plastics during manufacturing. In addition, as discussed in NYSDEC's previous investigation reports, phthalates are also utilized in the manufacture of resins for the production of composite laminates as identified at another NYSDEC investigation site, the Spaulding Composites plant in Tonawanda. Composites similar to those at the Spaulding Composite plant were observed by NYSDEC at the Flintkote Site, indicating that the phthalates may be related to past manufacturing operations at the Site.

The presence of SVOCs and metals is wide-spread across the Site and appears to be reflective of the composition of the fill materials. The surface soils/fills on the 300 Parcel exhibited the highest concentrations of SVOCs while the surface soils from the 198 Parcel exhibited the highest concentrations of metals. PCBs were only detected in the surface soil/fill samples from the 198 Parcel and one sample from the Island.

The fill materials and resulting contamination within the fill materials may have originated from on-site operations or possibly from an off-site source. Some of these soils/fills may have also been inappropriately placed on adjacent properties, such as 143 Water Street. Coal was used to fuel the boilers on Site and may partially explain the extensive amounts of the black ash fill identified on the Site. The PCBs and metals in the surface soils are likely related to the over one hundred years of the Site's use for industrial/manufacturing purposes, and poor house keeping practices resulting in past releases to the surface.

4.2.2 Subsurface Soil/Fill

Similar to the surface soil/fill samples, the contaminants of concern in the subsurface samples include SVOCs (mainly PAHs and phthalates), metals, and to a lesser degree, PCBs.

The type and concentration of SVOCs identified in the subsurface soil/fill is generally similar throughout the on-site fill unit, the volume of which is estimated to encompass approximately 46,500 cubic yards (see Section 3.1.2 and Figure 10). The type of metals encountered within the various fill materials is similar, although typically higher concentrations of metals are associated with the reddish brown ash that was primarily

identified on the 198 Parcel; the Island; and the WSS and adjacent 143 Water Street property. Lower concentrations of metals are associated with the black ash that was primarily identified on the 300 Parcel. PCBs were identified in three subsurface fill samples from separate areas of the Site. A significant reduction in the concentration of SVOCs, metals, and PCBs occurs between the fill materials and the native soil throughout the Site.

The presence of SVOCs and metals identified in the subsurface is again likely related to the presence of the ash and other waste materials identified throughout the Site. The sporadic detection of PCBs in the subsurface soils is likely related to the over one hundred years of the Site's use for industrial/manufacturing purposes, and poor house keeping practices. The PCBs may also be related to surface spills that have migrated into the subsurface soils or isolated pockets of PCB impacted fill materials.

The elevated contaminant concentrations in the subsurface soil sample from SP-2, (which appeared to have consisted of native soils) may have resulted from historical impacts from upstream industries along Eighteen Mile Creek or from surface water runoff from the fill materials upslope from this location percolating into the subsurface soils. It is worth noting that the concentrations of SVOCs and metals detected in the native soil sample from MCW-1, which is located at the same approximate elevation as SP-2, are considerably less and may reflect its sample depth from 6 to 10 ft. bgs versus the 2 to 6 ft. bgs sample depth for SP-2. Another possible source of the impacts to the soil at SP-2 could be related to the metal tub and discharge piping of unknown origin that is located just up-slope from SP-2. This tub and piping may have been related to some type of waste discharge from the former facility.

4.2.3 Groundwater

The impacts to groundwater appear to be limited to the PCB detected in 198-F and the pentachlorophenol detected in up-gradient monitoring well MW-1 RK. In general, the geochemistry of the overburden and bedrock groundwater are similar and no site-derived metals impacts to groundwater have been identified. The PCB detection is likely the result of leaching from the PCB impacted surface and subsurface fill materials identified on the 198 Parcel or from historical poor housekeeping practices resulting in past releases. Pentachlorophenol was historically used as a pesticide and wood preservative. The presence of pentachlorophenol in the groundwater may be related to treated timbers typically used to construct railroads and railroad sidings, which were once located in the general area of MW-1 RK. The pentachlorophenol could also be the result of contaminant migration from an up-gradient, off-site source.

4.2.4 Building Materials and Components

4.2.4.1 Concrete Floor and Soil Above Concrete

PCB impacts to the floor of Building B and the soil/sediment on the concrete floor appear to be minimal and likely the result of the regular operation and maintenance of the transformers. The results do not appear to be indicative of any significant historical spills or releases of PCB containing dielectric fluid.

4.2.4.2 Sediments

The contaminants of concern in the sediment from within the building include SVOCs, PCBs, and metals. The SVOCs detected consisted mainly of PAHs and some phthalates. The sediment sampling locations were discrete locations of the building selected to represent locations where historic accumulation of sediments has occurred. It should be noted that soils/sediments are located throughout the buildings floor surfaces and may be of similar nature to the samples collected during this SI. In addition, the drainage system within the building is not fully understood and other sumps, pipes, etc. may exist within the buildings.
The presence of the contaminants in the sediments is likely related to the over hundred years of the Site's use for industrial/manufacturing purposes, poor house keeping practices, and spills or releases of materials to the buildings drainage system.

4.2.4.3 Felt/Tar from Building D Column

The contaminants of concern in this tar/felt sample include SVOCs, PCBs and pesticides. It is likely that the tar/felt material sampled is related to past manufacturing of felt and felt tufting at the Site. This tar/felt material was identified at various other column and wall locations throughout the buildings.

Pentachlorophenol was historically used as a pesticide and wood preservative. The high concentration of pentachlorophenol (250,000 ppb) may be related to treated timbers used in the building construction or past storage/spillage of the product. The only other detection of pentachlorophenol at the Site was in the groundwater sample from MW-1 RK. The detections of pesticides and PCBs may be related to the past use or storage of these substances within the building.

4.2.4.4 Standing Water

The contaminants of concern in the standing water include one PCB aroclor and one pesticide compound detected at concentrations slightly exceeding their regulatory values. The standing water was limited to the deep basement portion of Building D. The presence of these contaminants in the water appears to be reflective of the industrial nature of the building complex and is likely the result of

precipitation coming in contact with contaminated building surfaces and sediments within the facility prior to collecting in the deep basement of the facility. Furthermore, contaminants originating from poor house keeping practices and spills or releases of materials to the buildings surfaces that occurred during the operation of the facility may have accumulated in this deep basement area. Precipitation that enters the building will likely continue to transport contaminants from the building surfaces to the deep basement area.

4.2.5 Surface Water/Sediment at Outfall to Eighteen Mile Creek

No impacts to the water sample collected from within the pipe, which appeared to originate from backflow of Eighteen Mile Creek, were noted. The contaminants of concern in the pipe sediment include SVOCs and metals. Similar to the building sediment samples and the historical sediment samples collected from Eighteen Mile Creek, the SVOCs detected consisted mainly of PAHs. The full extent of the sediments within the pipe is not known due to the limited understanding of the Site's drainage system. The presence of these contaminants in the pipe sediment is likely related to the over one hundred years of the Site's use for industrial/manufacturing purposes, poor house keeping practices, and spills or releases of materials to the buildings drainage system. Alternately, some of the contaminants could have been generated from past industrial activities upstream and deposited into the pipe by the flow of Eighteen Mile Creek.

4.2.6 Surface Water/Sediment from Eighteen Mile Creek

No impacts to the surface water sample collected from Eighteen Mile Creek by the NYSDEC in 1999 were noted. The contaminants of concern in the sediment samples included SVOCs and metals. PCBs were also detected in the sediment samples at varying concentrations. Similar to the building sediment samples and the sediment sample collected from the outfall to Eighteen Mile Creek (EMCO-1-SED), the detected SVOCs consisted mainly of PAHs. While the presence of contaminated sediment within Eighteen Mile Creek has been identified, the extent of contaminated sediment with the creek is not well defined. Based upon the similarity between the types of contaminants detected in the creek sediment and those detected in on-site fill material, the Site may have contributed to the contamination within the creek. However, past industrial activities conducted upstream of the Site may also have contributed to the contamination within the creek sediments. The NYSDEC is in the process of conducting a more detailed evaluation of Eighteen Mile Creek sediments, which will include the collection of sediment samples at locations upstream and downstream of the Site. The resulting data should assist in determining the source and extent of the sediment contamination in the Creek.

5.0 CONTAMINATION ASSESSMENT

5.1 Contaminant Fate and Transport

The probable fate and transport of contaminants detected on the Site is a function of the properties of the individual contaminants and available pathways for the contaminants to migrate. The physical characteristics of the Site and the type and distribution of contaminants determine the degree to which, as well as the route by which, contaminants migrate.

5.1.1 Surface Soil/Fill

Contaminants of concern detected in the surface soil/fill consist of SVOCs, metals, and, to a lesser degree, PCBs. The highest concentrations of SVOCs were detected in surface soils of the 300 Parcel, while surface soils of the 198 Parcel, Island, and the WSS contained the highest concentrations of metals. Furthermore, historical analytical results have indicated that some of the samples of material on the 198 Parcel, Island, and WSS contained leachable lead and cadmium levels that are considered hazardous.

The SVOCs detected include PAHs, seven of which are known carcinogens, and phthalates. These SVOCs are characterized by low solubilities and high octanol-water partition coefficients, and therefore, have a tendency to adsorb onto soil particles. In addition, the PAHs have relatively low vapor pressures and are expected to remain in a solid or liquid state and undergo degradation via naturally occurring microbes. As such, these contaminants are not expected to impact groundwater quality or migrate substantially into the subsurface. This is supported by the absence of substantial concentrations these compounds in the on-site groundwater.

The inorganic contaminants detected in the surface soil/fill are not prone to chemical or biological degradation by natural processes, and are also characterized by relatively low solubilities and a tendency to adsorb onto soil particles. Historical TCLP data indicate that leachable lead levels exceeding the Toxicity Characteristic (TC) Rule threshold for characteristic hazardous waste are present in the reddish brown ash material. One historic sample also contained leachable cadmium levels that slightly exceeded the TC Rule threshold. These data indicate that lead and cadmium could leach into groundwater as precipitation percolates downward through the surface soil/fill material on the 198 Parcel, the Island and the WSS. However, it is important to note that the groundwater data collected during this investigation indicated that the concentrations of dissolved metals, including lead and cadmium, were below the WQS.

PCBs are quite resistant to chemical or biological degradation and tend to persist in the environment. Furthermore, PCBs are relatively insoluble, and, therefore, are typically immobile in the subsurface. However, the detection of PCBs in the groundwater at one of the locations on the 198 Parcel (Well 198-F) indicates that PCB contamination within the fill material may be impacting groundwater in this area of the Site. The

concentrations of Aroclor 1254 detected in the surface soil/fill samples collected from the 198 Parcel and the Island, however, are below that detected in the groundwater, indicating that it is unlikely that the surface soil/fill is the source of the PCB detected in the groundwater.

The mechanical transport of surface soil/fill contaminated with PAHs, metals and PCBs via wind and water erosion is the most likely means by which these contaminants will migrate. Despite the presence of vegetative cover on the surface of a significant portion of the Site, which tends to reduce the potential for wind and water erosion, the presence of steep slopes on much of the Site, and the fluvial processes occurring along the Eighteen Mile Creek corridor, and particularly within the floodplain, increase the potential for the erosion of the contaminated surface soil/fill material and subsequent suspension and transport of contaminated soil/fill via the creek.

5.1.2 Subsurface Soil/Fill

The chemistry of the subsurface fill material is similar to that of the fill material exposed on the surface, and is also characterized by many of the same contaminants of concern, most notably PAHs and metals. PCBs were also detected sporadically across the site in the subsurface fill at concentrations below their respective guidance values. As discussed in the previous subsection, the physical and chemical properties of these contaminants are such that they are not likely to migrate substantially in the subsurface or significantly impact groundwater quality. This is supported by the significant reduction in contaminant concentrations that occurred between the fill material and the underlying native soil, as well as by the lack of significant groundwater contamination on the Site.

Although historical data indicate that lead and cadmium could leach into groundwater as precipitation percolates downward through the reddish brown ash fill material on the 198 Parcel, the Island and the WSS, the concentrations of dissolved metals, including lead and cadmium, were below the WQS in all of the filtered groundwater samples collected from the Site.

The detection of PCBs in the groundwater at one location within the 198 Parcel (Well 198-F) indicates the potential presence of a contaminant source area within the fill material in the vicinity of this micro-well. Although the origin and depth of the PCB contamination in the fill material is unknown, this source area could consist of PCB-containing waste material or fill that was deposited in this area, or residual PCB-containing dielectric fluid that was discharged in this area as a result of past spills/releases and/or poor housekeeping practices. Given the presence of PCBs in the groundwater at this location, the migration of this contaminant via groundwater is possible, but is expected to be limited based upon the relevant characteristics of this contaminant.

5.1.3 Groundwater

Low concentrations of several PAHs and phthalates were detected in multiple groundwater samples from across the Site, but none exceeded the applicable WQS. The only contraventions of the WQS were PCB Aroclor 1254 in one well (198-F) installed on the 198 Parcel and pentachlorophenol in one up-gradient bedrock well (MW-01 RK).

As noted in subsection 5.1.1, PCBs are relatively insoluble and immobile in the subsurface, and are resistant to chemical and biological degradation. However, the presence of Aroclor 1254 in well 198-F indicates that this PCB could be subject to limited dissolved phase migration via groundwater flow.

While relatively more soluble and mobile than PCBs, the solubility and mobility of pentachlorophenol are characterized as low. This SVOC has a relatively low vapor pressure and is expected to remain in a solid or liquid state and undergo degradation via naturally occurring microbes. Although the specific gravity of pentachlorophenol is greater than 1.0, commercial solutions of this chemical formulated for use as a wood preservative are often less dense than water. This compound has the potential to migrate in the dissolved phase via groundwater flow in the bedrock water-bearing zone. However, it should be noted that this contaminant was not detected in MW-07RK, which is situated down-gradient from the well in which it was detected.

Although numerous metals were detected in all non-filtered groundwater samples at concentrations above the WQS, these results were attributed to the turbidity of the samples, and subsequent dissolved metals analyses failed to detect any inorganic parameters in the filtered groundwater samples at concentrations exceeding the WQS.

Given the relatively low occurrence and concentrations of the contaminants detected in the groundwater and the relatively low mobility of these compounds, significant concentrations of these contaminants are not expected to migrate substantially in the groundwater. Moreover, the lack of local reliance on groundwater as a source of potable water minimizes the potential for direct human exposure to groundwater contaminants.

5.1.4 Building Materials and Components

Contaminants were identified in the standing water and sediments within the building, as well as in the felt/tar sample from the building column. The fate and transport of the contaminants detected in these media are discussed in the following subsections.

5.1.4.1 Sediments

The contaminants of concern in the sediment samples from within the building's sumps/low areas include SVOCs (PAHs and some phthalates), PCBs, and metals. These types of contaminants have low solubilities and vapor pressures. While PAHs can be degraded over time by naturally occurring microbes, PCBs

and metals are quite resistant to chemical or biological degradation and tend to persist in the environment.

The sumps/low areas from which the sediment samples were collected are believed to be components of the former facility's wastewater conveyance system and/or manufacturing process. It is not clear where the outfalls, if any, are located, but it is possible that the ultimate discharge location is to Eighteen Mile Creek or the millrace.

Mechanical transport via wind erosion is unlikely given their location within the building. However, contaminated sediment within these sumps/low areas has the potential to become suspended in, and transported by, storm water that enters the system through deteriorating roof areas or other areas of the Site. This could result in the transport of SVOC, PCB and metals contaminated sediment through the system to potential discharge points along Eighteen Mile Creek and/or the millrace.

5.1.4.2 Felt/Tar from Building D Column

The contaminants of concern in the tar/felt sample include SVOCs, PCBs and pesticides. Based on the observed viscous nature of this material and the low mobility of the contaminants, substantial contaminant migration within this media is not expected. However, there is the potential for this material to be dissolved and/or eroded and transported by storm water flowing over impacted surfaces and into sumps/low areas within the complex.

5.1.4.3 Standing Water

Relatively low concentrations of PCB Aroclor 1242 and one pesticide compound, dieldrin, were detected in the water sample collected from the deep basement of Building D. Given the undefined nature of the facility's internal drainage system, there is the potential that water from the deep basement may discharge to Eighteen Mile Creek and/or the millrace during periods of heavy precipitation. In such instances, contaminants in the water and sediment that may be suspended in the water could be transported to, and enter, these water bodies.

5.1.5 Surface Water/Sediment at Outfall to Eighteen Mile Creek

No impacts to the surface water sample collected from within the outfall to Eighteen Mile Creek located near William Street were noted. However, contaminants of concern detected in the pipe sediment samples include SVOCs, and metals. The most likely pathway for contaminant migration in this situation would be via the suspension and transport of contaminated sediments in liquids that discharge from this pipe into the creek. At the time of sample collection, the water in the pipe appeared to be at the same elevation as the water in Eighteen Mile Creek and no flow out of the pipe was observed.

However, as the surface water elevation of Eighteen Mile Creek fluctuates, there is the potential for contaminated sediments to be flushed out of the pipe and into the creek.

In addition, it is unclear where this pipe originates or it's past purpose. However, if it is connected to the building's drainage system or other exterior storm water collection systems, contaminated sediment within the pipe has the potential to become suspended in, and transported by, storm water that enters the pipe through deteriorating roof areas, or other drainage areas of the Site. If a connection does exist, said storm water would ultimately be discharged to the creek.

5.1.6 Surface Water/Sediment from Eighteen Mile Creek

No impacts to surface water were identified in the surface water sample collected during site investigations conducted by the NYSDEC. However, contaminants of concern detected in the sediment samples include SVOCs and metals. These types of contaminants have low solubilities and vapor pressures. While PAHs can be degraded over time by naturally occurring microbes, metals are quite resistant to chemical or biological degradation and tend to persist in the environment. PCBs were also detected in the sediment samples at varying concentrations, and will be evaluated further during the NYSDEC's investigation of Eighteen Mile Creek Corridor (Site No. 932121).

The most likely pathway for contaminant migration in this situation would be via the suspension and transport of contaminated sediments in the creek. Additionally, as the surface water elevation of Eighteen Mile Creek fluctuates, there is the potential for contaminated sediments to be exposed and be transported via the wind erosion of dried sediment.

5.1.7 Asbestos

Non-friable ACMs are relatively resistant to weathering and are not expected to migrate from the Site. However, asbestos fibers released as a result of the degradation of the suspect friable ACMs are susceptible to dispersion via wind currents and/or transport via storm water. Based upon the condition of the structures, some of the suspect friable ACMs, although minimal, are exposed directly to the environment and could be subject to wind and water erosion.

5.2 Evaluation of Potential Receptors

The Site is located in an area that is characterized by a mixture of residential, commercial and light industrial properties. The surrounding area is serviced by the municipal water supply system of the City of Lockport. Considering the lack of local reliance on groundwater as a potable water supply source, the limited organic and inorganic contaminants detected in the groundwater samples, and the fact that no metals were detected above the WQS in the filtered groundwater samples, exposure to on-site contamination via groundwater is not a significant concern.

The Site is currently abandoned and unoccupied. Access to the Site is partially restricted by perimeter fencing and barricades. Portions of the buildings have been partially secured in an attempt to restrict public access. However, due to the lack of fencing along the northern and southern portions of the property, and the severely deteriorated condition of the building, entry to the Site by trespassing members of the public is possible and ongoing based on reports from local residents. Additionally, the WSS is immediately adjacent to, and accessible from, the residential property situated at 143 Water Street and Water Street itself.

Under current conditions, potential human receptors include persons living and working in the area surrounding the Site; persons working or trespassing on the Site; and persons involved in utility work on and adjacent to the Site. Persons living in the vicinity of, or involved in recreational activities within Eighteen Mile Creek in the vicinity of the Site are known potential human receptors.

The planned future use of the Site is for recreational purposes, while maintaining a sense of its industrial heritage and re-establishing a link between the Lower-town communities on the east and west side of Eighteen Mile Creek. This may involve the development of a pedestrian and/or bike path and the creation of opportunities for water front access.

Under this future use scenario, and assuming that the contaminated soil/fill will be removed or covered with clean soil surfaces and/or a new vegetative cover, potential human receptors include site workers involved in the remediation and park construction, and persons living in, and traveling through the area surrounding the Site during these activities. However, the exposure to contaminated soil/fill on the Site during cleanup, construction or maintenance activities would be limited by implementing a Soil/Fill Management Plan, which would be developed in conjunction with the remedial design. Lastly, persons living in the vicinity of, or involved in recreational activities within Eighteen Mile Creek would still be considered potential human receptors relative to contaminated sediment that would remain in the creek upstream from the Site.

In addition to household pets living in the vicinity of the Site, potential environmental receptors include wildlife occurring on the Site (e.g., rodents, birds, etc.). Additionally, terrestrial and aquatic organisms inhabiting Eighteen Mile Creek or the millrace or using it as a source of drinking water and/or food would also be considered potential environmental receptors.

5.3 Potential Exposure Pathways

Contaminants of concern at the Site consist of SVOCs, which include carcinogenic PAHs; metals; PCBs, which are classified as probable human carcinogens; and asbestos.

5.3.1 Surface Soil/Fill

Under the current use scenario, persons living and working in the vicinity of the Site and/or persons trespassing on the Site could be exposed to SVOCs, metals and PCBs in the surface soil/fill via inhalation of airborne particles, incidental ingestion of, or dermal contact with the contaminated media. Should water erosion result in the transport and deposition of the contaminated surface soil/fill in Eighteen Mile Creek and its floodplain, persons living and recreating in the creek corridor adjacent to and downstream from the Site could also be exposed to these contaminants via dermal contact with contaminated surface water and/or sediment, or the inhalation of contaminated particulates generated via the wind erosion of dried sediments deposited along the creek's margins.

Terrestrial and aquatic organisms inhabiting the Site and the stream corridor could also be exposed to the contamination via inhalation or ingestion of, or contact with, impacted surface soil/fill. Exposure of these organisms to contaminated sediment and/or surface water originating from the erosion of the surface soil/fill could also result via similar exposure mechanisms.

Construction workers, site visitors and persons living, working and traveling through the Site could be exposed to these contaminants in the surface soil/fill during excavation of the contaminated soil/fill in connection with remediation and/or site redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust, and incidental ingestion of, and/or dermal contact with the contaminated soil/fill. However, the use of appropriate personal protective equipment, dust suppression techniques, and the development and implementation of a Soil/Fill Management Plan would likely minimize the risk of exposure during remediation and/or construction activities.

No complete exposure pathways to contaminated surface soil/fill have been identified in connection with the post-redevelopment period, assuming that the contaminated surface soil/fill is removed or is not exposed at the ground surface.

5.3.2 Subsurface Soil/Fill

Under current conditions, the potential for human exposure to contaminants in the subsurface soil/fill is limited to persons trespassing on the Site for the purpose of excavating buttons or other artifacts. Evidence of these activities was observed on the Island portion of the Site. Potential routes of exposure under this scenario would include the inhalation of airborne particles, incidental ingestion of, or dermal contact with, the contaminated soil/fill.

The presence of contamination in subsurface soil/fill on the Site is not interpreted to represent a human exposure risk to persons living, working and traveling through the area surrounding the Site, or persons visiting, working or trespassing on the Site because no complete exposure pathways were identified under the current use scenario for these

receptors. This is a function of the subsurface disposition of the contamination. However, terrestrial wildlife that dens in the subsurface (e.g., rodents, foxes, etc.) could be exposed to the contamination in this medium via ingestion or contact with the contaminated soil/fill.

Construction workers, site visitors and persons living, working and traveling through the Site could be exposed to the SVOCs, metals and PCBs in the subsurface soil/fill during excavation of the contaminated soil in connection with remediation activities and/or site redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust and incidental ingestion of, and/or dermal contact with, the contaminated soil/fill. However, the use of appropriate personal protective equipment, dust suppression techniques, and the development of a Soil/Fill Management Plan would likely minimize the risk of exposure during the remediation and/or site redevelopment construction activities.

No complete human exposure pathways to contaminated subsurface soil/fill have been identified in connection with the post-redevelopment period, assuming that the contaminated subsurface soil/fill is removed or is not exposed at the ground surface. However, tHowever, he wildlife exposure pathway identified for the current use scenario would also exist under the future use scenario unless the contaminated subsurface soil/fill was removed or isolated by a physical barrier.

5.3.3 Groundwater and Surface Water

Groundwater in the vicinity of the Site is not utilized as a source of potable water. Therefore, no exposure via ingestion of contaminated groundwater is likely. Furthermore, no site-derived contamination was detected a surface water sample collected from Eighteen Mile Creek.

5.3.4 Building Materials and Sediment within the Outfall to Eighteen Mile Creek

Under the current use scenario, site workers and/or persons trespassing on the Site could be exposed to SVOCs, metals and PCBs contained within the building sediments, felt/tar material, and standing water within the buildings via inhalation of airborne particles, incidental ingestion of, or dermal contact with the contaminated media.

Additionally, given the fact that the on-site drainage system has not been fully delineated, there is the potential for utility workers involved with the cleaning and/or maintenance of drainage structures that may still be tied into the on-site system to be exposed to the contaminated sediments present therein. The potential exposure routes for these workers include incidental ingestion of, and/or dermal contact with, the sediment while working in any interconnected drainage structures. The potential for the exposure of members of the public also exists should the sediments enter Eighteen Mile Creek or the millrace and be transported by stream currents, or dispersed by wind currents. Potential routes of exposure in such an instance would include the incidental ingestion of, or

dermal contact with, the sediment or surface water containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment.

Fish and wildlife inhabiting Eighteen Mile Creek and/or the millrace could also be exposed to the contamination via ingestion of, or contact with, impacted sediments and/or surface water.

Construction workers, site visitors and persons, working and traveling through the Site could be exposed to the SVOCs, metals, and PCBs in the sediment during demolition and removal activities performed in connection with site redevelopment. Potential exposure routes for these receptors include inhalation of contaminated dust, and the incidental ingestion of, and/or dermal contact with, the contaminated sediment. However, the use of appropriate personal protective equipment and dust suppression techniques would limit the risk of exposure during site redevelopment.
No complete exposure pathways for on-site sediment contamination have been identified in connection with the post redevelopment period, assuming that the sumps, drainage structures and their contents are removed or sealed in place.

5.3.5 Surface Water/Sediment from Eighteen Mile Creek

Under the current use scenario, residents who live adjacent to the creek opposite the Site, site workers and/or persons trespassing on the Site could be exposed to contaminated creek sediments via incidental ingestion of, or dermal contact with the contaminated media.

There is also the potential for the exposure of members of the public located downstream of the Site should the sediments be agitated and be transported by stream currents, or dispersed by wind currents. Potential routes of exposure in such an instance would include the incidental ingestion of, or dermal contact with, the sediment or surface water containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment.

Fish and wildlife inhabiting Eighteen Mile Creek and/or the millrace could also be exposed to the contamination via ingestion of, or contact with, impacted sediments and/or surface water.

Construction workers, site visitors and persons working and traveling through the Site could be exposed to contaminated sediment during remediation activities conducted along the stream bank of Eighteen Mile Creek and in the millrace. Potential exposure routes for these receptors include incidental ingestion of, or dermal contact with, the sediment or surface water containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment. However, the use of appropriate personal protective equipment would limit the risk of exposure during site redevelopment.

The contaminated sediments within Eighteen Mile Creek will be further evaluated during a more detailed investigation by the NYSDEC. This investigation will focus on the creek sediments and will provide sufficient data to enable the development and evaluation of appropriate remedial alternatives for addressing this medium.

5.3.6 Asbestos

Under the current use scenario, persons living and working in the area immediately surrounding the Site have the potential to be exposed to asbestos via the inhalation of asbestos fibers released from damaged, suspect friable ACMs that are exposed to wind currents. The risk of asbestos exposure during building demolition or renovation activities would be minimized through the implementation of proper abatement, control and monitoring procedures as required by applicable state and federal regulations. This risk would be eliminated with the removal and proper disposal of the asbestos-containing demolition debris, and, therefore, would not apply to the future use scenario.

6.0 SUMMARY AND CONCLUSIONS

6.1 Overview

An investigation of the former Flintkote site located at 198 and 300 Mill Street in the City of Lockport, Niagara County, New York, was performed on behalf of the Niagara County Department of Planning, Development and Tourism as part of the Site Investigation/Remedial Alternatives Reporting (SI/RAR) program being conducted at the Site. The County has received State financial assistance to conduct this program under the Environmental Restoration Program component of Title 5 of the Clean Water/Clean Air Bond Act of 1996. The objective of the Site Investigation (SI) phase of this program was to further characterize the site and better define the nature and extent of contamination occurring in or on the on-site soil/fill; groundwater; surface water and sediment occurring in the vicinity of outfalls originating from the former facility; and building surfaces, components and materials. The resulting data was used to qualitatively evaluate potential risks to human health and the environment associated with the current site conditions and planned future use scenario, which involves the recreational use of the Site.

6.2 Scope of Site Investigation

The scope of the SI program was generally consistent with that outlined in the NYSDEC approved February 2003 Draft SI/RA Report Work Plan (Work Plan) and the subsequent June 20, 2003 Addendum which served to finalize the Work Plan. Minor modifications to the Work Plan were made during the completion of the SI in consultation with the NYSDEC and County to account for the Site conditions encountered. The primary tasks associated with the SI included:

- The collection of surface soil/fill samples;
- The advancement of 25 soil probes and the drilling of 10 test borings across the Site to collect, screen and classify overburden deposits and the bedrock geology;
- Installation of three overburden groundwater monitoring wells and seven bedrock groundwater monitoring wells to determine groundwater flow direction and facilitate the collection of representative groundwater samples. Three existing wells were also sampled;
- The sampling of concrete building surfaces that may have been exposed to PCBs;
- Inspection of sumps and low areas within the building and outfall pipes to Eighteen Mile Creek to identify and sample potential contaminated aqueous materials and sediments;
- The sampling of suspect material adhered to interior building surfaces;
- Chemical analysis of soil/fill, sediment, liquids, groundwater, concrete samples, and miscellaneous materials;

- Completion of a visual asbestos survey; and
- The survey of the Site topography, as well as monitoring well, and sample locations.

Field and laboratory procedures were performed in general accordance with the Field Sampling Plan and the Quality Assurance/Quality Control (QA/QC) Plan developed for the project.

6.3 Physical Conditions of the Site

The Site is an abandoned industrial property that occupies approximately six acres in the City of Lockport. The majority of the Site is situated along the eastern bank of Eighteen Mile Creek and is bordered by commercial property to the north, vacant land to the south, Mill Street to the east, and Eighteen Mile Creek to the west. However, a small portion of the Site occurs along the western bank of Eighteen Mile Creek, and is bounded to the south by residential properties that extend along Water Street. This portion of the Site is referred to as the Water Street Section (WSS) and is located directly to the south of William Street, which is currently closed to vehicular and pedestrian traffic. William Street also divides the eastern portion of the Site into north (300 Mill Street) and south sections (198 Mill Street). The section of 300 Mill Street between Eighteen Mile Creek and the millrace is referred to as the Island.

The topography of the majority of the Site is generally flat in the areas of the buildings with steep downward slopes to the millrace and Eighteen Mile Creek to the west. The Site has an elevation that ranges between 450 and 475 feet above mean sea level (AMSL) based upon the USGS topographic mapping of the area.

The subsurface stratigraphy is comprised of four major units including: topsoil; fill materials; glaciolacustrine deposits (native soil); and bedrock. The topsoil was usually less than 0.2 feet thick and was often encountered above the fill materials. The estimated 46,500 cubic yards of fill material identified at the Site varies in thickness across the Site from less than one foot thick to 24.9 feet thick. The most predominant fill material consist of an ash type material identified as a reddish brown colored ash or a black colored ash. Varying amounts of red brick, white brick, coal, slag, buttons, and metal fragments were identified in the ash layers. In general, the black ash was encountered in the northern most borings of the 300 Parcel, while the reddish brown ash was encountered on the southern part of the Island and in a berm on the WSS. The berm on the WSS appears to extend slightly onto the adjacent private property at 143 Water Street. The 198 Parcel exhibited a mixture of the reddish brown ash and the black ash. Other fill materials encountered include reworked cohesive and granular soils generally identified throughout the Site. A layer of glaciolacustrine soil consisting of fine-grained silty-clay and clayey-silt, was identified below the fill layer in most explorations, except at the northern portion of the 300 Parcel, where the fill materials generally occur directly above the bedrock.

The depth to the sandstone bedrock varies across the Site, with the shallowest occurrences along Mill Street, Eighteen Mile Creek and the northern portion of the Island. The bedrock has a fairly uniform slope from Mill Street (approximate elevation 90 feet) downward towards the millrace (approximate elevation 68 feet). Bedrock slopes in this area generally range from 10% to 15% with some areas as steep as 40% at the south end of the Site. Bedrock elevations on the Island are highest in the middle section (approximate elevation 72 feet) and slope downward to the east and west towards the millrace and Eighteen Mile Creek, respectively.

Groundwater on the 198 and 300 Parcels occurs primarily in the fractured sandstone bedrock beneath this portion of the Site, and moves in a westerly direction toward the discharge area represented by the creek and millrace. Saturated conditions were not encountered in the surficial deposits occurring on the eastern-most portion of the Site. Instead precipitation that infiltrates the fill and/or overburden in this area of the Site migrates vertically downward and recharges the fractured bedrock water-bearing zone, which occurs between 15 to 20 feet below the ground surface and six to nine feet below the top of the bedrock. As groundwater migrates to the west in the fractured bedrock, it discharges from the bedrock into the overburden along the base of the sloped bedrock surface. Where the groundwater piezometric surface intersects the top of the bedrock surface along the base of this bedrock slope, the upper-most hydrostratigraphic unit on the Site transitions from one occurring exclusively within fractured bedrock to one that is comprised of both overburden and fractured bedrock zones.

Groundwater continues to migrate westward within this hydrostratigraphic unit toward the discharge zone represented by Eighteen Mile Creek and the millrace. Although recharge to the saturated overburden zone from precipitation infiltrating at the surface of these deposits is likely limited due to the steep surface slopes, some recharge is expected to occur in this manner. The depth to groundwater in the overburden monitoring wells installed along the western margins of the 198 and 300 Parcels ranged from 2.3 to 23.9 feet below ground surface.

Using an average hydraulic conductivity of 2.0×10^{-3} cm/second, a hydraulic gradient of 0.08 feet per foot and an effective porosity of 15%, the average linear groundwater flow velocity in the upper-most hydrostratigraphic unit is approximately 3 feet per day.

A comparison of the groundwater elevations in the wells situated in close proximity to Eighteen Mile Creek on the 198 and 300 Parcels to the surface water elevation within the creek and millrace indicates that the groundwater is generally at equivalent or greater elevations than the surface water. This indicates that groundwater is likely discharging to these surface water bodies, although seasonal fluctuations in surface and groundwater elevations may result in periods where the creek is recharging groundwater.

Groundwater was observed in the overburden in one micro-well previously installed by the NYSDEC (MW-06) on the Island. However, groundwater was not encountered within the overburden at nearby MW-6 RK or historically in the other micro-well previously

installed by the NYSDEC (MW-02). Groundwater occurs in the bedrock beneath the Island at a depth of approximately 14 feet below the ground surface and approximately 2.8 feet below the top of bedrock.

Eighteen Mile Creek flows through the western portion of the Site in a north-northwesterly direction towards its eventual discharge into Lake Ontario at Olcott Harbor. In the vicinity of the Site, the creek is a Class D stream according to 6 NYCRR Part 848 with Class D protection standards. The creek has been diverted westward from its apparent natural course for approximately 300 feet by a dam along William Street, and resumes its northward course after passing through a pair of culverts beneath William Street. The Creek then rejoins its natural channel at an area approximately 460 feet north of William Street. A pair of sluice gates at the east end of the dam formerly allowed an unknown rate of flow from Eighteen Mile Creek to continue downstream into a millrace along the west side of the buildings at 300 Mill Street where a water turbine was reportedly once located. Although the sluice gates are now closed and soil has been deposited behind them, leakage from the Creek through the gates and from the former turbine discharge portal supplies the millrace with a sluggish flow approximately six inches to one foot deep.

A review of the Flood Insurance Rate Map developed for the Site's vicinity by the Federal Emergency Management Agency, indicates that Eighteen Mile Creek and its lower banks are within a 100-year flood plain and the higher portions of the Site are within a Zone C, which is an area of minimal flooding. The surface elevations of 143 Water Street near the banks of Eighteen Mile Creek would likely fall within the 100 year flood zone. Flooding of 143 Water Street and other upstream properties along Water Street has been reported during storm events and is often believed to be a result of flow obstructions at the culverts beneath William Street.

The majority of the buildings on the 198 Parcel have been razed, with remaining portions consisting of former basement walls, concrete columns, and concrete floors. The buildings that remain on the 300 Parcel consist of stone, brick and concrete construction with wooden or concrete roof deck structures. The northern area of the Site includes a steel water tower and boiler stack, former coal bunkers and a coal silo. A number of debris and scrap steel piles are also located across the Site.

The remaining buildings are generally in a deteriorated state, with the majority of the buildings having some structural deficiencies. There are numerous openings in the floors, roof systems are partially or completely collapsed and stairways and hand rails are in poor condition. Given the poor condition of the roof systems, and exposed window and door openings, the condition of the buildings will likely continue to deteriorate due to rain, snow and freeze thaw cycles.

Several low areas were identified in the buildings, including the south end of Building E and the deep basement of Building D. These low points were identified as areas where contaminants from the building may have accumulated. One sump was identified at the

southwest corner of the ground floor in Building C. The sump was about 2.5 feet wide and 3.5 feet long. The sediments within the sump were about 3 feet below the concrete floor. The bottom of the sump was not determined. A trench drain located along the interior of Building C discharges into this sump.

The results from the visual asbestos survey identified several areas of suspect ACM across the Site. Most of the suspect ACM would likely be classified as non-friable or non-friable organically bound including: roofing material, window glazing, materials within the debris piles, floor tile mastic, electrical wire, insulation/backer board, transite panels, gaskets, canvas cloth, and tar. The suspect ACM that would likely be identified as friable was generally found in small quantities. However, if determined to contain asbestos, some of the larger quantities would include the prefabricated roofing blocks of Building D, the fire brick inside the furnace in the Boiler Room, and the brick mortar associated with the coal silo, chimney and building structures.

6.4 Contamination Assessment

Analytical data resulting from this investigation indicated the absence of wide-spread, facility-derived dissolved groundwater contamination, and the absence of surface water contamination within Eighteen Mile Creek. However, contamination was detected in the following media:

- Surface and subsurface soil/fill across the entire Site;
- Fill occurring within a berm that appears to extend from the WSS slightly onto the private property located at 143 Water Street;
- Overburden groundwater on the 198 Parcel in the vicinity of well 198-F;
- Bedrock groundwater on the 300 Parcel in the vicinity of up-gradient well MW-1RK;
- Standing water and sediments within building drains and sumps;
- Sediment in the outfall to Eighteen Mile Creek located to the south of William Street; and
- The viscous material adhered to surfaces in Buildings D and E.

Significant quantities of suspect asbestos containing materials were also observed throughout the building complex.

Additionally, it should be noted that previous sampling conducted by the NYSDEC documented the presence of contamination within the sediment in Eighteen Mile Creek.

6.4.1 Surface Soil/Fill

Contaminants of concern detected in the surface soil/fill consist of SVOCs, metals, and, to a lesser degree, PCBs. The presence of SVOCs and metals is wide-spread across the Site and appears to be reflective of the composition of the fill materials. The highest concentrations of SVOCs were detected in surface soil/fill on the 300 Parcel, while

surface soil/fill on the 198 Parcel, Island, and the WSS contained the highest concentrations of metals. Furthermore, historical analytical results have indicated that some of the samples collected from material on the 198 Parcel, Island, and WSS contained leachable lead and cadmium levels that are considered hazardous.

The fill materials and resulting contamination within the fill materials may have originated from on-site operations or possibly from an off-site source. Some of these soil/fill materials may have also been inappropriately placed on adjacent properties, such as 143 Water Street. Coal was used to fuel the boilers on Site and may partially explain the extensive amounts of the black ash fill identified on the Site. The PCBs and metals in the surface soil/fill are likely related to the over one hundred years of the Site's use for industrial/manufacturing purposes, and poor house keeping practices resulting in past releases to the surface.

The physical and chemical properties of these contaminants are such that they are not likely to migrate substantially in the subsurface or significantly impact groundwater quality. This is supported by the fact that SVOCs were generally not detected in groundwater at concentrations exceeding the WQS, and the concentrations of dissolved metals in the groundwater, including lead and cadmium, were below the WQS.

The mechanical transport of surface soil/fill contaminated with PAHs, metals and PCBs via wind and water erosion is the most likely means by which these contaminants will migrate. The presence of steep slopes on much of the Site and the fluvial processes occurring along the Eighteen Mile Creek corridor, and particularly within the floodplain, also increases the potential for the erosion of the contaminated surface soil/fill material and subsequent suspension and transport of contaminated soil/fill via the creek.

Under the current use scenario, persons living and working in the vicinity of the Site and/or persons trespassing on the Site could be exposed to SVOCs, metals and PCBs in the surface soil/fill via inhalation of airborne particles, incidental ingestion of, or dermal contact with the contaminated media. Furthermore, persons living in the vicinity of, or involved in recreational activities within Eighteen Mile Creek adjacent to and downstream of the Site could also become potential human receptors if contaminated surface soil/fill from the Site were to be discharged to the creek. Although the potential for human exposure during construction activities involving disturbance of contaminated fill has been identified, the use of appropriate personal protective equipment, dust suppression techniques, and the development and implementation of a Soil/Fill Management Plan would likely minimize the risk of exposure during remediation and/or construction activities. No complete exposure pathways to contaminated surface soil/fill have been identified in connection with the post-redevelopment period, assuming that the contaminated surface soil/fill is removed or is not exposed at the ground surface.

In addition to household pets living in the vicinity of the Site, potential environmental receptors include wildlife occurring on the Site (e.g., rodents, birds, etc.) and terrestrial and aquatic organisms inhabiting Eighteen Mile Creek or the millrace, or using these

surface waters as a source of drinking water and/or food. Under current conditions, these environmental receptors could be exposed to the contamination via inhalation or ingestion of, or contact with, impacted surface soil/fill. Exposure of these environmental receptors to contaminated sediment and/or surface water originating from the erosion of the surface soil/fill could also result via similar exposure mechanisms. Assuming that the contaminated surface soil/fill is removed or is not exposed at the ground surface, no complete environmental exposure pathways would exist under the future use scenario.

6.4.2 Subsurface Soil/Fill

The chemistry of the subsurface fill material is similar to that of the surface soil/fill material and is also characterized by many of the same contaminants of concern, most notably PAHs and metals. PCBs were also detected sporadically across the site in the subsurface fill at concentrations below their respective guidance values. The presence of SVOCs and metals identified in the subsurface is likely related to the presence of the ash and other waste materials identified throughout the Site. The type and concentration of SVOCs identified in the subsurface soil/fill is generally consistent throughout the on-site fill unit. The type of metals encountered within the various fill materials is similar, although typically higher concentrations of metals (particularly lead) are associated with the reddish brown ash that was primarily identified on the Island, WSS, and 198 Parcel. Lower concentrations of metals are associated with the black ash that was primarily identified on the 300 Parcel.

As discussed in the previous subsection, the physical and chemical properties of these contaminants are such that they are not likely to migrate substantially in the subsurface or significantly impact groundwater quality. This is supported by the significant reduction in contaminant concentrations that occurred between the fill material and the underlying native soil, as well as by the lack of significant groundwater contamination on the Site. Although historical data indicate that lead and cadmium could leach into groundwater as precipitation percolates downward through the reddish brown ash fill material on the 198 Parcel, the Island and the WSS, the concentrations of dissolved metals, including lead and cadmium, were below the WQS in all of the groundwater samples collected from the Site.

The detection of PCBs in the groundwater at one location within the 198 Parcel (Well 198-F) indicates the potential presence of a contaminant source area within the fill material in the vicinity of this micro-well. Although the origin and depth of the PCB contamination in the fill material is unknown, this source area could consist of PCB-containing waste material or fill that was deposited in this area, or residual PCB-containing dielectric fluid that was discharged in this area as a result of past spills/releases and/or poor housekeeping practices.

Under current conditions, the potential for human exposure to contaminants in the subsurface soil/fill is limited to persons trespassing on the site for the purpose of excavating buttons or other artifacts. Potential routes of exposure under this scenario

would include the inhalation of airborne particles, incidental ingestion of, or dermal contact with, the contaminated soil/fill. Although the potential for human exposure during construction activities involving disturbance of contaminated fill has been identified, the use of appropriate personal protective equipment, dust suppression techniques, and the development and implementation of a Soil/Fill Management Plan would likely minimize the risk of exposure during remediation and/or construction activities. No complete human exposure pathways to contaminated subsurface soil/fill have been identified in connection with the post-redevelopment period, assuming that the contaminated subsurface soil/fill is removed or is not exposed at the ground surface.

Terrestrial wildlife that dens in the subsurface (e.g., rodents, foxes, etc.) could be exposed to the contamination in the subsurface soil/fill via ingestion or contact with the contaminated subsurface soil/fill. This exposure pathway would exist under the future use scenario as well, unless the contaminated subsurface soil/fill is removed from the Site or isolated by a physical barrier.

6.4.3 Groundwater

The concentrations of PCB Aroclor 1254 in one well (198-F) installed on the 198 Parcel and pentachlorophenol in one up-gradient bedrock well (MW-01 RK) exceeded the applicable WQS. The results of the filtered groundwater samples revealed that the concentrations of metals were below the WQS in all samples. Given the relatively low occurrence and concentrations of the contaminants detected in the groundwater and the relatively low mobility of these compounds, significant concentrations of these contaminants are not expected to migrate substantially in the groundwater. Moreover, the lack of local reliance on groundwater as a source of potable water minimizes the potential for direct human exposure to groundwater contaminants.

6.4.4 Building Materials and Components

Contaminants were identified in the standing water and sediments within the building, as well as in the felt/tar sample from the building column.

Sediments - The contaminants of concern in the sediment samples from within the building's sumps/low areas include SVOCs (PAHs and some phthalates), PCBs, and metals. These types of contaminants have low solubilities and vapor pressures. While PAHs can be degraded over time by naturally occurring microbes, PCBs and metals are quite resistant to chemical or biological degradation and tend to persist in the environment.

The most likely pathway for migration would be via the suspension and transport of contaminated particles in liquids that enter and discharge from these sumps/low areas. However, it is not clear where the outfalls, if any, are located, but it is possible that the ultimate discharge location is to Eighteen Mile Creek or the millrace.

Felt/Tar from Building D Column - The contaminants of concern in the tar/felt sample include SVOCs, PCBs and pesticides. Based on the observed viscous nature of this material and the low mobility of the contaminants, substantial contaminant migration within this media is not expected.

Standing Water - Relatively low concentrations of PCB Aroclor 1242 and one pesticide compound, dieldrin, were detected in the water sample collected from the deep basement of Building D. Given the undefined nature of the facility's internal drainage system, there is the potential that water from the deep basement may discharge to Eighteen Mile Creek and/or the millrace during periods of heavy precipitation.

Surface Water/Sediment at Outfall to Eighteen Mile Creek - No impacts to the surface water sample collected from within the outfall to Eighteen Mile Creek located near William Street were noted. However, contaminants of concern detected in the pipe sediment samples include SVOCs, and metals. The most likely pathway for contaminant migration in this situation would be via the suspension and transport of contaminated sediments in liquids that discharge from this pipe into the creek.

Under the current use scenario, site workers and/or persons trespassing on the Site could be exposed to SVOCs, metals and PCBs contained within the building sediments, felt/tar material, and standing water within the buildings via inhalation of airborne particles, incidental ingestion of, or dermal contact with the contaminated media.

Additionally, given the fact that the on-site drainage system has not been fully delineated, there is the potential for utility workers involved with the cleaning and/or maintenance of drainage structures that may still be tied into the on-site system to be exposed to the contaminated sediments present therein. The potential for the exposure of members of the public also exists should the sediment enter Eighteen Mile Creek or the millrace and be transported by stream currents, or dispersed by wind currents. Potential routes of exposure in such an instance would include the incidental ingestion of, or dermal contact with, the sediment or surface water containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment.

Construction workers, Site visitors and persons, working and traveling through the Site could be exposed to the SVOCs, metals, and PCBs in the sediment during demolition and removal activities performed in connection with site redevelopment. However, the use of appropriate personal protective equipment and dust suppression techniques would limit the risk of exposure during site redevelopment. No complete exposure pathways for on-site sediment contamination have been identified in connection with the post redevelopment period, assuming that the sumps, drainage structures and their contents are removed or sealed in place.

Under current conditions, fish and wildlife inhabiting Eighteen Mile Creek and/or the millrace could be exposed to the contamination via ingestion of, or contact with, impacted

sediments and/or surface water. These exposure pathways would be eliminated under the future use scenario assuming the removal or closure of the impacted structures and conduits.

6.4.5 Surface Water/Sediment from Eighteen Mile Creek

No impacts to surface water were identified in the surface water sample collected during site investigations conducted by the NYSDEC. However, contaminants of concern detected in the sediment samples include SVOCs and metals. PCBs were also detected in the sediment samples at varying concentrations. Six SVOCs and ten metals had concentrations that exceeded their respective regulatory values in one or more of the sediment samples. The concentrations of the six SVOCs exceeding regulatory values, which consisted of PAHs, were generally uniform in the seven sediment samples collected by the NYSDEC. With the exception of SED-5, the concentrations of the metals were generally consistent with the metals results from the sediment sample collected at the outfall to Eighteen Mile Creek by TVGA. The concentrations of metals in SED-5 were generally an order of magnitude greater than the other six sediment samples.

While the presence of contaminated sediment within Eighteen Mile Creek has been identified, the extent of contaminated sediment with the creek is not well defined. Based upon the similarity between the types of contaminants detected in the creek sediment and those detected in on-site fill material, the Site may have contributed to the contamination within the creek. However, past industrial activities conducted upstream of the Site may also have contributed to the contamination within the creek sediments.

SVOCs and metals have low solubilities and vapor pressures. While PAHs can be degraded over time by naturally occurring microbes, metals are quite resistant to chemical or biological degradation and tend to persist in the environment.

The most likely pathway for contaminant migration in this situation would be via the suspension and transport of contaminated sediments in the creek. Additionally, as the surface water elevation of Eighteen Mile Creek fluctuates, there is the potential for contaminated sediments to be exposed and be transported via the wind erosion of dried sediment.

Under the current use scenario, residents who live adjacent to the creek opposite the Site, site workers and/or persons trespassing on the Site could be exposed to contaminated creek sediments via incidental ingestion of, or dermal contact with the contaminated media.

There is also the potential for the exposure of members of the public located downstream of the Site should the sediments be agitated and be transported by stream currents, or dispersed by wind currents. Potential routes of exposure in such an instance would include the incidental ingestion of, or dermal contact with, the sediment or surface water

containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment.

Fish and wildlife inhabiting Eighteen Mile Creek and/or the millrace could also be exposed to the contamination via ingestion of, or contact with, impacted sediments and/or surface water.

Construction workers, site visitors and persons, working and traveling through the Site could be exposed to contaminated sediment during remediation activities conducted along the stream bank of Eighteen Mile Creek and in the millrace. Potential exposure routes for these receptors include incidental ingestion of, or dermal contact with, the sediment or surface water containing suspended particulates of the contaminated material, as well as the inhalation of contaminated dust generated via the wind erosion of dried sediment. However, the use of appropriate personal protective equipment would limit the risk of exposure during site redevelopment.

The contaminated sediments within Eighteen Mile Creek will be further evaluated during a more detailed investigation by the NYSDEC. This investigation will focus on the creek sediments and will provide sufficient data to enable the development and evaluation of appropriate remedial alternatives for addressing this medium.

6.4.6 Asbestos

Non-friable ACMs are relatively resistant to weathering and are not expected to migrate from the Site. However, asbestos fibers released as a result of the degradation of the suspect friable ACMs are susceptible to dispersion via wind currents and/or transport via storm water. Based upon the condition of the structures, some of the suspect friable ACMs, although minimal, are exposed directly to the environment and could be subject to wind and water erosion. Under the current conditions, persons living and working in the area immediately surrounding the Site have the potential to be exposed to asbestos via the inhalation of asbestos fibers released from damaged, suspect friable ACMs that are exposed to wind currents.

The risk of asbestos exposure during building demolition or renovation activities would be minimized through the implementation of proper abatement, control and monitoring procedures as required by applicable state and federal regulations. This risk would be eliminated with the removal and proper disposal of the asbestos-containing demolition debris, and, therefore, would not apply to the future use scenario.

6.5 Remedial Action Objectives

Based upon the findings of the SI and the anticipated future use of the Site for recreational purposes, Remedial Action Objectives (RAOs) have been identified for each of the contaminated-media encountered on-site and are described in the following subsections. Remedial Action Objectives for the contaminated sediment previously

identified in Eighteen Mile Creek will be developed following the completion of the NYSDEC's investigation of the creek.

6.5.1 Contaminated Surface Soil/Fill

Contaminants of concern in the surface soil/fill consist of SVOCs, metals and PCBs. For protection of human health, the RAO is to prevent the exposure of the public and on-site construction workers to these contaminants via dermal contact, incidental ingestion or inhalation of particulates. The RAO for environmental protection is to prevent wildlife from exposure to this medium, and to prevent the discharge of contaminated storm water runoff and eroded surface soil/fill to off-site locations or into Eighteen Mile Creek and the millrace. These RAOs can be realized by isolating the surface soil/fill from exposure/erosion at the ground surface, or by removing it for proper off-site disposal. The latter response action would have to be utilized in conjunction with the capping or removal of the underlying contaminated subsurface soil/fill in order to ensure satisfaction of these RAOs. No significant risks to groundwater were identified in connection with the contaminated surface soil/fill. If the surface soil/fill remains on-site, the reduction in the toxicity of some contaminants will occur over time via degradation by naturally occurring microbes, however, the metals and PCBs will likely persist.

In order to prevent exposure of the public and construction workers to the contaminants in the surface soil/fill, air monitoring, appropriate personal protective equipment, and dust suppression measures should be employed during redevelopment activities that could disturb the contaminated soil/fill.

6.5.2 Contaminated Subsurface Soil/Fill

Contaminants of concern in the subsurface surface soil/fill consist of SVOCs, metals and PCBs. For protection of human health, the RAO is to prevent exposure of persons trespassing for the purpose of excavating buttons or other artifacts, as well as on-site construction workers, to these contaminants via dermal contact, incidental ingestion or inhalation of particulates. The RAO for environmental protection is to prevent the PCB impacted subsurface soil/fill suspected to be present on the 198 Parcel from acting as a possible continuing source of groundwater contamination; to prevent the potential for the leaching of lead and cadmium into groundwater from the reddish brown ash fill historically identified on the 198 Parcel, the island and the WSS; and to limit wildlife from contacting the contaminated subsurface soil/fill. These RAOs will likely best be achieved by installing an impermeable, physical barrier over this material, or by removing it for proper off-site disposal. If the contaminated subsurface soil/fill is to remain on-site, the reduction in the toxicity of some contaminants will occur over time via degradation by naturally occurring microbes, however, the metals and PCBs will likely persist.

In order to prevent exposure of the public and construction workers to the contaminants in the subsurface soil/fill, air monitoring, appropriate personal protective equipment, and

dust suppression measures should be employed during redevelopment activities that could disturb the contaminated soil/fill.

6.5.3 Building Materials and Sediment within the Outfall to Eighteen Mile Creek

Contaminants of concern in these media consist of SVOCs, metals and PCBs contained within the building sediments, felt/tar material, standing water within the buildings and the sediments within the outfall pipe to Eighteen Mile Creek. For protection of human health, the RAO is to prevent dermal contact with, incidental ingestion of, or inhalation of particulates originating from, the contaminated sediments, standing water or felt/tar material. The RAO for environmental protection is the prevention of the release of contaminated storm water and/or sediments from the Site's drainage system that could result in the degradation of surface water quality below ambient water quality standards. These RAOs can be achieved by the proper closure of any outfalls from the facility in conjunction with the removal of the contaminants from within the building, or the removal and proper off-site disposal of the contaminated media occurring within the building and associated external drainage system components. The demolition and removal of portions of the building may be necessary to enable the latter response action to take place.

6.5.4 Asbestos

Suspect friable ACMs and suspect non-friable ACMS constitute a concern relative to building materials. The RAO for protection of human health relative to ACMs is the prevention of the inhalation or incidental ingestion of asbestos fibers. Asbestos abatement will be required prior to or in connection with, building demolition, and is therefore, the most suitable approach for achieving this RAO. A complete pre-demolition survey of the building complex should be completed prior to the development of a Remedial Action Plan.

6.6 Remedial Alternatives

The general response actions identified above for each medium of interest will be refined and applicable remedial technologies will be screened, analyzed and comparatively evaluated in the Remedial Alternatives Report (RAR). The RAR will culminate in the identification of the remedy that best satisfies the RAOs identified above.

TABLE 1-13

Table 1
Former Flintkote Site SIR
Sampling and Analysis Summary

Sample Identifier	Source	Interval Sampled (ft - bgs)	Comments [2]	Location	Analysis							Date
					ASP00 - TCL VOCs	ASP00 - TCL SVOCs	ASP00 - TCL Pest/PCBs	ASP00 - TAL Total Metals	ASP00 - Total Cyanide	EPA SW-846 PCBs by 8082	ASP00 - TAL Dissolved Metals	
Groundwater												
FS-MW01RK-GW-O	Bedrock Well No. 1	-		300 parcel	X	X	X	X	X			10/02/03 / 10/03/03 1
FS-MW02RK-GW-O	Bedrock Well No. 2	-	-	300 parcel	X	X	X	X	X		X	10/02/03
FS-MW02RK-GW-MS	Bedrock Well No. 2	-	-	300 parcel	X	X	X	X	X			10/02/03
FS-MW02RK-GW-MSD	Bedrock Well No. 2	-	-	300 parcel	X	X	X					10/02/03
FS-MW02RK-GW-MD	Bedrock Well No. 2	-	-	300 parcel				X	X			10/02/03
FS-MW03RK-GW-O	Bedrock Well No. 3	-	-	300 parcel	X	X	X	X	X		X	10/02/03
FS-MWXX-GW-FD	Bedrock Well No. 3	-	-	300 parcel	X	X	X	X	X			10/02/03
FS-MW04RK-GW-O	Bedrock Well No. 4	-	-	198 parcel	X	X	X	X	X		X	10/02/03
FS-MW05RK-GW-O	Bedrock Well No. 5	-	-	300 parcel	X	X	X	X	X			10/03/03
FS-MW06RK-GW-O	Bedrock Well No. 6	-	-	island	X	X	X	X	X		X	10/03/03
FS-MW07RK-GW-O	Bedrock Well No. 7	-	-	300 parcel	X	X	X	X	X		X	10/02/03
FS-MW01OB-GW-O	Overburden Well No. 1	-	Slight sheen on purge water	300 parcel	X	X	X	X	X		X	10/02/03
FS-MW02OB-GW-O	Overburden Well No. 2	-	-	300 parcel	X	X	X	X	X		X	10/02/03
FS-MW06-MICRO-GW-O	Overburden Micro Well MW-6	-	-	island	X	X	X	X	X		X	10/03/03
FS-MICRO1-GW-O	Overburden Micro Well No. 1	-	Slight sheen on purge water	198 parcel	X	X	X	X	X		X	10/03/03
FS-198-F-MICRO-GW-O	Overburden Micro Well No. 198F	-	-	198 parcel	X	X	X	X	X		X	10/03/03
FS-198-E-MICRO-GW-O	Overburden Micro Well No. 198E	-	-	198 parcel	X	X	X	X	X		X	10/03/03
FS-TRIP03	Trip Blank	-	-	-	X							10/02/03
FS-TRIP04	Trip Blank	-	-	-	X							10/03/03
Building Samples												
Eighteen Mile Creek	-	-	-	-								-
FS-EMCO1-SW-O	Building Outfall	-	Collected from inside of outfall pipe	South of William Street	X	X	X	X	X			09/11/03
FS-EMC01-SED-O	Building Outfall	-	Collected from inside of outfall pipe	South of William Street								09/11/03
Standing Water	-	-	-	-								-
FS-BldgD-DeepB-SW-O	Deep Basement in Building D	-	Collected from Standing water	Building D	X	X	X	X	X			09/11/03
Building Sediments	-	-	-	-								-
FS-BldgD-DeepB-SED-O	Deep Basement in Building D	-	Collected from Below Standing Water	Building D	X	X	X	X	X			09/11/03
FS-BldgC-Trench-SED-O	Sump in Southwest Corner of Building C	-	Collected from bottom of Sump	Building C Ground Floor	X	X	X	X	X			09/11/03
FS-BldgE-Sump-SED-O	Sump in Basement of Building E	-	Colleced from Sump	Building E	X	X	X	X	X			09/11/03
FS-SS02-SED-O	Sediments on Floor	-	Collected from Southwest Corner	Building B Ground Floor						X		09/11/03
Concrete Floor Samples	-	-	-	-								-
FS-SS01-CC-O	Northwest Corner Building B	-	Top Centimeter of Concrete Floor	Building B Ground Floor						X		09/11/03
FS-SS03-CC-O	Southwest Corner Building B	-	Top Centimeter of Concrete Floor	Building B Ground Floor						X		09/11/03
Felt Sample	-	-	-	-								-
FS-BldgD-Felt-O	Felt on Building Cloumn	-	Centrally Located Building Column	Building D Ground Floor	X	X	X	X	X			09/11/03
FS-TRIP01	Trip Blank	-	-	-	X							09/11/03
Subsurface Soil												
FS-SP02-D24-S-O	Soil Probe No. 2	2' - 4'	Gray Sand and Gravel - N	198 parcel	X							09/09/03
FS-SP02-D26-S-O	Soil Probe No. 2	2' - 6'	Gray Sand and Gravel - N	198 parcel		X	X	X	X			09/09/03
FS-SP03-D04-S-O	Soil Probe No. 3	0' - 4'	Brown Sandy-Silt - N	198 parcel	X	X	X	X	X			09/08/03
FS-SP06-D24-S-O	Soil Probe No. 6	2' - 4'	Brown Sandy-Silt - N	WSS	X	X	X	X	X			09/10/03
FS-SP07-D24-S-O	Soil Probe No. 7	2' - 4'	Red and Brown Clayey-Silt - N	WSS	X	X	X	X	X			09/10/03
FS-SP09-D14-S-O	Soil Probe No. 9	1' - 4'	Misc. Fill - Red and Rusty Brown sand, silt and ash - Fill No. 1	WSS	X	X	X	X	X			09/10/03
FS-SP11-D410-S-O	Soil Probe No. 11	4' - 10'	Rusty Brown Ash - Fill No. 1	island		X	X	X	X			09/09/03
FS-SP11-D810-S-O	Soil Probe No. 11	8' - 10'	Rusty Brown Ash - Fill No. 1	island	X							09/09/03
FS-SP11-D1012-S-O	Soil Probe No. 11	10' - 12'	Brown Silty-Clay - N	island				X		X		09/09/03
FS-SP12-D02-S-O	Soil Probe No. 12	0' - 2'	Rusty Brown Ash - Fill No. 1	island	X	X	X	X	X			09/09/03
FS-SP13-D0.53.5-S-O	Soil Probe No. 13	0.5' - 3.5'	Reddish Silty-Clay - N	island	X	X	X	X	X			09/09/03
FS-SP13-D0.53.5-S-MS	Soil Probe No. 13	0.5' - 3.5'	Reddish Silty-Clay - N	island	X	X	X	X	X			09/09/03
FS-SP13-D0.53.5-S-MSD	Soil Probe No. 13	0.5' - 3.5'	Reddish Silty-Clay - N	island	X	X	X					09/09/03
FS-SP13-D0.53.5-S-MD	Soil Probe No. 13	0.5' - 3.5'	Reddish Silty-Clay - N	island				X	X			09/09/03
FS-SP16-D812-S-O	Soil Probe No. 16	8' - 12'	Reddish Silty-Clay - N	300 parcel	X	X	X	X	X			09/08/03
FS-SP19-D48-S-O	Soil Probe No. 19	4' - 8'	Black Ash - Fill No. 1	300 parcel	X	X	X	X	X			09/08/03
FS-SP21-D45-S-O	Soil Probe No. 21	4' - 5'	Black Ash - Fill No. 1	300 parcel	X	X	X	X	X			09/10/03
FS-SP23-D14-S-O	Soil Probe No. 23	1' - 4'	Rusty Brown Sand and Silt - Fill No. 3	WSS	X	X	X	X	X			09/10/03
FS-MICRO01-D68-S-O	Micro Well No. 1 (Probe)	6' - 8'	Brown Silty-Clay - N	198 parcel	X							
FS-MICRO01-D610-S-O	Micro Well No. 1 (Probe)	6' - 10'	Brown Silty-Clay and Sand -N	198 parcel		X	X	X	X			
FS-MW02OB-D2426-S-O	MW02OB	24' - 26'	Brown Clayey-Silt -N	300 parcel	X							09/24/03
FS-MW02OB-D2428-S-O	MW02OB	24' - 28'	Brown Clayey-Silt -N	300 parcel		X	X	X	X			09/24/03
FS-MW03RK-D1415.5-S-O	MW03RK	14' - 15.5'	Brown Sandy-Silt - Fill No. 3	300 parcel	X							09/15/03
FS-MW04RK-D34-S-O	MW04RK	3' - 4'	Rusty Brown Sand and Silt - Fill No. 3	198 parcel	X							09/16/03
FS-MW04RK-D35-S-O	MW04RK	3' - 5'	Rusty Brown Sand and Silt - Fill Nos. 1 & 3	198 parcel		X	X	X	X			09/16/03
FS-MW04RK-D68-S-O	MW04RK	6' - 8'	Reddish Brown Silty-Clay - N	198 parcel	X	X	X	X	X			09/16/03
FS-MW06RK-D810-S-O	MW06RK	8' - 10'	Brown Silt - N	island	X	X	X	X	X			09/25/03
FS-TRIP02	Trip Blank	-	-	-	X							09/24/03
FS-SPXX-RB	Rinse Blank through acetate liner and sampling shoe	-	Used laboratory provided water	-	X	X	X	X	X			09/10/03
FS-3SSpoon-RB	Rinse Blank through 3" split spoon sampler	-	Used laboratory provided water	-	X	X	X	X	X			09/24/03

Table 1
Former Flintkote Site SIR
Sampling and Analysis Summary

Sample Identifier	Source	Interval Sampled (ft - bgs)	Comments [2]	Location	Analysis							Date
					ASP00 - TCL VOCs	ASP00 - TCL SVOCs	ASP00 - TCL Pest/PCBs	ASP00 - TAL Total Metals	ASP00 - Total Cyanide	EPA SW-846 PCBs by 8082	ASP00 - TAL Dissolved Metals	
Surface Soil/Fill												
FS-SS01-S-O	Surface Soil Sample No.1	0" - 2"	Brown Silt and Topsoil	198 parcel		X	X	X	X			09/15/03
FS-SS02-S-O	Surface Soil Sample No.2	0" - 2"	Brown Silt and Topsoil	198 parcel		X	X	X	X			09/15/03
FS-SS03-S-O	Surface Soil Sample No.3	0" - 2"	Dark Brown Ash and Silt	island		X	X	X	X			09/16/03
FS-SS04-S-O	Surface Soil Sample No.4	0" - 2"	Dark Brown Ash and Silt	island		X	X	X	X			09/16/03
FS-SS05-S-O	Surface Soil Sample No.5	0" - 2"	Brown Topsoil w/ glass, buttons & slag pieces	island		X	X	X	X			09/17/03
FS-SS05-S-MS	Surface Soil Sample No.5	0" - 2"	Brown Topsoil w/ glass, buttons & slag pieces	island		X	X	X	X			09/17/03
FS-SS05-S-MSD	Surface Soil Sample No.5	0" - 2"	Brown Topsoil w/ glass, buttons & slag pieces	island		X	X					09/17/03
FS-SS05-S-MD	Surface Soil Sample No.5	0" - 2"	Brown Topsoil w/ glass, buttons & slag pieces	island				X	X			09/17/03
FS-SS06-S-O	Surface Soil Sample No.6	0" - 2"	Brown Silt w/ brick, metal & concrete pieces	300 parcel		X	X	X	X			09/15/03
FS-SS07-S-O	Surface Soil Sample No.7	0" - 2"	Brown Silt w/ concrete and wood pieces	300 parcel		X	X	X	X			09/15/03
FS-SS08-S-O	Surface Soil Sample No.8	0" - 2"	Brown Silt w/ metal & brick pices	300 parcel		X	X	X	X			09/15/03
FS-SS09-S-O	Surface Soil Sample No.9	0" - 2"	Dark Brown Topsoil	WSS		X	X	X	X			09/16/03
FS-SS10-S-O	Surface Soil Sample No.10	0" - 2"	Dark Brown Topsoil	WSS		X	X	X	X			09/16/03
FS-SS11-S-O	Surface Soil Sample No.11	0" - 2"	Brown Topsoil	Dolan Park on Clinton St.		X	X	X	X			09/18/03
FS-SS12-S-O	Surface Soil Sample No.12	0" - 2"	Brown Topsoil	Outwater Memorial Park		X	X	X	X			09/18/03
FS-SSXX-RB	Rinse Blank over Stainless Steel Bowl and Trowel	-	-	-		X	X	X	X			09/16/03

Notes:

1. Samples collected from MW01RK were submitted on 10/02/03 for VOCs, SVOCs, TAL Metals, and Total Cyanide and on 10/03/03 for Pesticides/PCBs due to insufficient well recharge.
2. See Section 3.1 of the Site Investigation Report for a description of these soil units.
3. N = Native Soil

Table 2
Former Flintkote Site SIR
Summary of Subsurface Stratigraphy from Test Boring and Soil Probe Explorations

Boring Number	Ground Surface (site datum)	Surficial Soil/Surface Material				Fill Soils				Native				Bedrock		Bottom of Boring	
		Top		Bottom		Top		Bottom		Top		Bottom		Top			
		(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)
SP-1	77.7	0.0	77.7	2.0	75.7					2.0	75.7	7.0	70.7	7.0	70.7	7.0	70.7
		2.0 feet thick								5.0 feet thick							
SP-2	77.2	0.0	77.2	2.0	75.2					2.0	75.2	10.0	67.2	10.0	67.2	10.0	67.2
		2.0 feet thick								8.0 feet thick							
SP-3	87.9	0.0	87.9	0.3	87.6					0.3	87.6	7.5	80.4	7.5	80.4	7.5	80.4
		0.3 feet of concrete								7.2 feet thick							
SP-4	96.2					0.0	96.2	1.0	95.2	1.0	95.2	12.0	84.2	12.0	84.2	12.0	84.2
		thin zone of topsoil				1.0 foot thick				11.0 feet thick							
SP-5	87.4					0.0	87.4	0.1	87.3	0.1	87.3	7.0	80.4	7.0	80.4	7.0	80.4
						0.1 feet thick				6.9 feet thick							
SP-6	77.8	0.0	77.8	1.0	76.8					1.0	76.8	6.0	71.8	6.0	71.8	6.0	71.8
		1.0 foot thick								5.0 feet thick							
SP-7	79.7	0.0	79.7	0.2	79.5					0.2	79.5	7.0	72.7	7.0	72.7	7.0	72.7
		0.2 feet thick								6.8 feet thick							
SP-8	77.3	0.0	77.3	2.0	75.3					2.0	75.3	8.5	68.8	8.5	68.8	8.5	68.8
		2.0 feet thick								6.5 feet thick							
SP-9	79.5	0.0	79.5	0.1	79.4	0.1	79.4	6.0	73.5	6.0	73.5	10.0	69.5	10.0	69.5	10.0	69.5
		0.1 feet thick				5.9 feet thick				4.0 feet thick							
SP-10	81.7	0.0	81.7	0.2	81.5	0.2	81.5	6.0	75.7	6.0	75.7	10.0	71.7	10.0	71.7	10.0	71.7
		0.2 feet thick				5.8 feet thick				4.0 feet thick							
SP-11	83.6	0.0	83.6	0.2	83.4	0.2	83.4	10.0	73.6	10.0	73.6	12.5	71.1	12.5	71.1	12.5	71.1
		0.2 feet thick				9.8 feet thick				2.5 feet thick							
SP-12	72.5	0.0	72.5	0.2	72.3	0.2	72.3	2.0	70.5					2.0	70.5	2.0	70.5
		0.2 feet thick				1.8 feet thick											
SP-13	70.6	0.0	70.6	3.5	67.1									3.5	67.1	3.5	67.1
		3.5 feet thick															
SP-14	71.1	0.0	71.1	0.1	71.0					0.1	71.0	3.0	68.1	3.0	68.1	3.0	68.1
		0.1 feet thick								2.9 feet thick							
SP-15	73.9					0.0	73.9	10.5	63.4					10.5	63.4	10.5	63.4
						10.5 feet thick											
SP-16	85.8					0.0	85.8	8.0	77.8	8.0	77.8	15.5	70.3	15.5	70.3	15.5	70.3
						8.0 feet thick				7.5 feet thick							
SP-17	94.6					0.0	94.6	14.9	79.7	14.9	79.7	15.0	79.6	15.0	79.6	15.0	79.6
		thin zone of topsoil				14.9 feet thick				0.1 feet thick							
SP-18	96.5					0.0	96.5	13.5	83.0					13.5	83.0	13.5	83.0
		thin zone of topsoil				13.5 feet thick											
SP-19	96.7					0.0	96.7	10.0	86.7					10.0	86.7	10.0	86.7
		thin zone of topsoil				10.0 feet thick											
SP-20	97.0	0.0	97.0	0.2	96.8	0.2	96.8	3.0	94.0					3.0	94.0	3.0	94.0
		0.2 feet thick				2.8 feet thick											

Table 2
Former Flintkote Site SIR
Summary of Subsurface Stratigraphy from Test Boring and Soil Probe Explorations

Boring Number	Ground Surface (site datum)	Surficial Soil/Surface Material				Fill Soils				Native				Bedrock		Bottom of Boring	
		Top		Bottom		Top		Bottom		Top		Bottom		Top			
		(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)
SP-21	98.0					0.0	98.0	6.0	92.0					6.0	92.0	6.0	92.0
						6.0 feet thick											
SP-22	98.1					0.0	98.1	7.3	90.8	7.3	90.8	7.5	90.6	7.5	90.6	7.5	90.6
						7.3 feet thick				0.2 feet thick							
SP-23	79.4	0.0	79.4	0.2	79.2	0.2	79.2	5.0	74.4	5.0	74.4	6.0	73.4	6.0	73.4	6.0	73.4
		0.2 feet thick				4.8 feet thick				1.0 foot thick							
SP-24	82.8					0.0	82.8	9.5	73.3					9.5	73.3	9.5	73.3
						9.5 feet thick											
MCW - 1	78.13									0.0	78.1	11.0	67.1	11.0	67.1	11.0	67.1
		thin zone of topsoil								11.0							
MW-01OB	81.44					0.0	81.4	19.6	61.8					19.6	61.8	19.6	61.8
						19.6 feet thick											
MW-02OB	90.95					0.0	91.0	22.1	68.9	22.1	68.9	28.7	62.3	28.7	62.3	28.7	62.3
						22.1 feet thick				6.6 feet thick							
MW-01RK	99.00					0.0	99.0	6.0	93.0					6.0	93.0	20.5	78.5
						6.0 feet thick											
MW-02RK	92.87					0.0	92.9	6.5	86.4					6.5	86.4	34.9	58.0
						6.5 feet thick											
MW-03RK	81.37					0.0	81.4	18.0	63.4					18.0	63.4	34.0	47.4
						18.0 feet thick											
MW-04RK	97.38					0.0	97.4	5.0	92.4	5.0	92.4	14.8	82.6	14.8	82.6	31.0	66.4
						5.0 feet thick				9.8 feet thick							
MW-05RK	84.44	0.0	84.4	0.9	83.5	0.9	83.5	6.0	78.4	6.0	78.4	12.9	71.5	12.9	71.5	23.0	61.4
		feet of asphalt and concrete				5.1 feet thick				6.9 feet thick							
MW-06RK	82.05					0.0	82.1	7.0	75.1	7.0	75.1	11.3	70.8	11.3	70.8	23.5	58.6
						7.0 feet thick				4.3 feet thick							
MW-07RK	96.58					0.0	96.6	24.9	71.7					24.9	71.7	38.5	58.1
		thin zone of topsoil				24.9 feet thick											
TB - 1	97.10					0.0	97.1	1.0	96.1	1.0	96.1	6.7	90.4	6.7	90.4	6.7	90.4
		thin zone of topsoil				1.0 foot thick				5.7 feet thick							

Notes:
1) ft. bgs = feet below ground surface.
2) Blank space indicates stratum was not encountered.
3) "+" indicates the thickness of the stratum was not fully penetrated.

Table 3
Former Flintkote Site SIR
Summary of Subsurface Stratigraphy from NYSDEC Explorations

Boring Number	Approx. Ground Surface (site datum)	Top soil				Fill Soils				Native				Bedrock		Notes	Bottom of Boring	
		Top		Bottom		Top		Bottom		Top		Bottom		Top				
		(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)		(ft. bgs)	elevation (site datum)
198-A	96.5					0	96.5	16.1	80.4	16.1	80.4						20	76.5
		thin zone of topsoil				16.1 feet thick				3.9 + feet thick								
198-B	95.0					0	95.0	17.7	77.3	17.7	77.3						20	75.0
		thin zone of topsoil				17.7 feet thick				2.3 + feet thick								
198-C	96.0					0	96.0	4.7	91.3	4.7	91.3	13	83.0	13	83.0	rock fragments 12.6' to 13'	13	83.0
		thin zone of topsoil				4.7 feet thick				8.3 feet thick								
198-D	95.0					0	95.0	20.3	74.7	20.3	74.7	27	68.0	27	68.0	rock fragments 24.7' to 27'	27	68.0
						20.3 feet thick				6.7 feet thick								
198-E MW - 198-E	89.6					0	89.6	15.6	74.0	15.6	74.0						20	69.6
						15.6 feet thick				4.4 + feet thick								
198-F MW - 198-F	88.5	0	88.5	0.3	88.2	0.3	88.2	12.6	75.9	12.6	75.9						20	68.5
		0.3 feet thick				12.3 feet thick				7.4 + feet thick								
198-G	93.0					0	93.0	15.6	77.4	15.6	77.4						20	73.0
		thin zone of topsoil				15.6 feet thick				4.4 + feet thick								
198-H	96.5	0	96.5	0.3	96.2	0.3	96.2	1.4	95.1	1.4	95.1	7	89.5	7	89.5	rock fragments 5' to 7'	7	89.5
		0.3 feet thick				1.1 feet thick				5.6 feet thick								
198-I	97.0	0	97.0	0.3	96.7	0.3	96.7	5	92.0	5	92.0	14	83.0	14	83.0		14	83.0
		0.3 feet thick				4.7 feet thick				9 feet thick								
198-J	84.0					0	84.0	4.6	79.4	4.6	79.4					rock fragments 8' to 12'	12	72.0
		thin zone of topsoil				4.6 feet thick				7.4 + feet thick								
SB-1A	82.5					0	82.5	8.9	73.6	8.9	73.6	11	71.5	11	71.5	rock fragments 8.9' to 11.5'	11.5	71.0
		thin zone of topsoil				8.9 feet thick				2.1 feet thick								
SB-2 MW - 2	82.5					0	82.5	7.8	74.7	7.8	74.7	10	72.5	10	72.5	rock fragments 7.8' to 10'	10	72.5
						7.8 feet thick				2.2 feet thick								
SB-3	77.0					0	77.0	5.3	71.7	5.3	71.7	8.3	68.7	8.3	68.7	weathered 5.3' to 8.3'	8.3	68.7
						5.3 feet thick				3 feet thick								
SB-4	75.0									0	75.0	4.2	70.8	4.2	70.8	weathered 1.1' to 4.2'	4.2	70.8
		thin zone of topsoil								4.2 feet thick								
SB-5	84.0					0	84.0	10	74.0	10	74.0	10.7	73.3	10.7	73.3	weathered 10' to 10.7'	10.7	73.3
		thin zone of topsoil				10 feet thick				0.7 feet thick								
SB-6 MW - 6	81.4					0	81.4	8.6	72.8	8.6	72.8					rock fragments 9.6' to 12'	12	69.4
						8.6 feet thick				3.4 + feet thick								
SB-7	82.0	0	82.0	0.3	81.7	0.3	81.7	8.9	73.1	8.9	73.1	11.6	70.4	11.6	70.4	rock fragments 8.9' to 12'	12	70.0
		0.3 feet thick				8.6 feet thick				2.7 feet thick								
SB-8A	83.0	0	83.0	0.4	82.6	0.4	82.6	4	79.0	4	79.0	8.5	74.5	8.5	74.5	rock fragments 4' to 8.5'	8.5	74.5
		0.4 feet thick				3.6 feet thick				4.5 feet thick								
SB-8B	83.0	0	83.0	1	82.0	1	82.0	2.2	80.8	2.2	80.8	12	71.0				12	71.0
		asphalt, rock, and soil				1.2 feet thick				9.8 feet thick								
SB-9	72.0									0	72.0	3.6	68.4	3.6	68.4	weathered and rock frags 0' to 4'	4	68.0
		thin zone of topsoil								3.6 feet thick								

Table 3
Former Flintkote Site SIR
Summary of Subsurface Stratigraphy from NYSDEC Explorations

Boring Number	Approx. Ground Surface (site datum)	Top soil				Fill Soils				Native				Bedrock		Notes	Bottom of Boring	
		Top		Bottom		Top		Bottom		Top		Bottom		Top				
		(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)	(ft. bgs)	elevation (site datum)		(ft. bgs)	elevation (site datum)
300-A	95.5					0	95.5	1.1	94.4	1.1	94.4	4	91.5	4	91.5	rock fragments 1.1' to 4'	4	91.5
		thin zone of topsoil				1.1 feet thick				2.9 feet thick								
300-B	94.0					0	94.0	3	91.0	3	91.0	7	87.0	7	87.0	rock fragments 3' to 7'	7	87.0
						3 feet thick				4 feet thick								
300-C	94.0					0	94.0	1.1	92.9	1.1	92.9	1.6	92.4	1.6	92.4	rock fragments 1.1' to 2'	2	92.0
		thin zone of topsoil				1.1 feet thick				0.5 feet thick								
300-D	92.5					0	92.5	0.9	91.6	0.9	91.6	4	88.5	4	88.5	rock fragments 0.9' to 4'	4	88.5
		thin zone of topsoil				0.9 feet thick				3.1 feet thick								
300-E	93.0					0	93.0	23.6	69.4					23.6	69.4	rock fragments 23.6' to 25'	25	68.0
		thin zone of topsoil				23.6 feet thick												
300-F MW - 300F	91.0					0	91.0	16.6	74.4	16.6	74.4						24	67.0
						16.6 feet thick				7.4 + feet thick								
300-G	99.0					0	99.0	2.3	96.7	2.3	96.7						8	91.0
						2.3 feet thick				5.7 + feet thick								
300-H	99.0					0	99.0	8	91.0	8	91.0	9	90.0	9	90.0	rock fragments 8' to 9'	9	90.0
						8 feet thick				1 feet thick								
300-I	98.0					0	98.0	1.7	96.3	1.7	96.3	6	92.0	6	92.0	rock fragments 1.7' to 6'	6	92.0
		thin zone of topsoil				1.7 feet thick				4.3 feet thick								
300-J MW - 300F	79.4					0	79.4	12	67.4	12	67.4	15	64.4	15	64.4	rock fragments 8' to 15'	15	64.4
						12 feet thick				3 feet thick								
300-K	95.0					0	95.0	5.4	89.6	5.4	89.6	11	84.0	11	84.0	rock fragments 5.4' to 11'	11	84.0
		thin zone of topsoil				5.4 feet thick				5.6 feet thick								

Notes:
1) ft. bgs = feet below ground surface.
2) Blank space indicates stratum was not encountered.
3) "+" indicates the thickness of the stratum was not fully penetrated.

Table 4
Former Flintkote Site SIR
Monitoring Well Construction Summary

	Ground Surface Elevation	Top of PVC Casing (TOC) Elevation	Sandpack Interval (bgs)	Sandpack Elevation	Well Screen Interval (bgs)	Well Screen Elevation	Screened Material
Overburden Micro Groundwater Monitoring Wel							
Micro No. 1	78.1	81.48	0.5 to 11.1	77.6 to 67.0	1.1 to 11.1	77.0 to 67.0	Brown clay and silt; Gray sand; Brown silty-clay some sand.
MW-6	81.4	83.50	4.5 to 11.5	76.9 to 69.9	6.5 to 11.5	74.9 to 69.9	Ash; Brown silty-clay; Brown sand.
198-E	89.6	91.70	11.0 to 18.0	78.6 to 71.6	13.0 to 18.0	76.6 to 71.6	Ash; Gray clayey-silt.
198-F	88.5	90.74	10.0 to 17.0	78.5 to 71.5	12.0 to 17.0	76.5 to 71.5	Ash; Gray silty sand; Reddish brown silty-clay.
Overburden Groundwater Monitoring Wells							
MW-01OB	81.4	83.54	8.5 to 19.6	72.9 to 61.8	9.6 to 19.6	71.8 to 61.5	Reddish brown silty-clay, w/ black f-c sand.
MW-02OB	91.0	92.37	18.7 to 28.7	72.3 to 62.3	18.7 to 28.7	72.3 to 62.3	Miscellaneous Fill (e.g. rusty brown, and black ash, coal slag, and coke pieces); brown clayey-silt.
Bedrock Groundwater Monitoring Wells							
MW-01RK	99.0	101.51	7.5 to 20.5	91.5 to 78.5	10.0 to 20.0	89.0 to 79.0	Fractured red and white sandstone.
MW-02RK	92.9	95.17	8.0 to 34.9	84.9 to 58.0	9.0 to 29.0	83.9 to 63.9	Fractured red and white sandstone.
MW-03RK	81.4	83.73	19.0 to 34.0	62.4 to 47.4	20.0 to 30.0	61.4 to 51.4	Fractured red and white sandstone.
MW-04RK	97.4	99.11	17.5 to 28.5	79.9 to 68.9	18.5 to 28.5	78.9 to 68.9	Fractured red and white sandstone.
MW-05RK	84.4	86.60	14.0 to 23.0	70.4 to 61.4	15.0 to 23.0	69.4 to 61.4	Fractured red and white sandstone.
MW-06RK	82.1	83.87	12.3 to 21.5	69.8 to 60.6	13.5 to 21.5	68.6 to 60.6	Fractured red and white sandstone.
MW-07RK	96.6	98.72	27.1 to 37.6	69.5 to 59.0	27.6 to 37.6	69.0 to 59.0	Fractured red and white sandstone.

Notes:
1. All measurements and elevations are in feet.
2. TOC = Top of PVC casing
3. bgs = Below Ground Surface

Table 5
Former Flintkote Site SIR
Summary of Hydraulic Conductivity Testing Results

	Test Number	Hydraulic Conductivity	Geometric Mean
Overburden Groundwater Monitoring Wells			
MW-01OB	No. 1	5.64E-04	5.65E-04
	No. 2	5.60E-04	
	No. 3	5.71E-04	
MW-02OB	No. 1	3.59E-03	3.06E-03
	No. 2	2.62E-03	
	No. 3	3.04E-03	
Bedrock Groundwater Monitoring Wells			
MW-01RK	No. 1	4.27E-05	4.27E-05
MW-04RK	No. 1	9.42E-04	1.10E-03
	No. 2	9.42E-04	
	No. 3	1.49E-03	
MW-06RK	No. 1	4.89E-03	3.09E-03
	No. 2	2.46E-03	
	No. 3	2.46E-03	

Notes:

1. All hydraulic conductivity tests were performed as rising head tests by removing 1 liter of water for each test performed.
2. Hydraulic Conductivity is measured in centimeters per second. (cm/sec).

Table 6
Former Flintkote Site SIR
Groundwater Elevation Summary

	Ground Surface/Reference Elevation	Top of PVC Casing/Reference (TOC) Elevation	Measured October 2 & 3, 2003			Measured October 24, 2003		
			Depth to Groundwater from TOC	Groundwater Elevation	Depth to Groundwater (bgs)	Depth to Groundwater from TOC / Reference Elevation	Groundwater Elevation	Depth to Groundwater (bgs)
Overburden Micro Groundwater Monitoring Wells								
Micro No. 1	78.13	81.48	5.73	75.75	2.4	5.69	75.79	2.3
MW-6	81.40	83.50	11.71	71.79	9.6	11.61	71.89	9.5
198-E	89.60	91.70	15.96	75.74	13.9	15.95	75.75	13.9
198-F	88.50	90.74	14.95	75.79	12.7	14.73	76.01	12.5
Overburden Groundwater Monitoring Wells								
MW-01OB	81.44	83.54	17.07	66.47	15.0	17.02	66.52	14.9
MW-02OB	90.95	92.37	25.38	66.99	24.0	25.30	67.07	23.9
Bedrock Groundwater Monitoring Wells								
MW-01RK	99.00	101.51	17.41	84.10	14.9	17.35	84.16	14.8
MW-02RK	92.87	95.17	17.78	77.39	15.5	17.56	77.61	15.3
MW-03RK	81.37	83.73	17.27	66.46	14.9	17.26	66.47	14.9
MW-04RK	97.38	99.11	22.77	76.34	21.0	22.54	76.57	20.8
MW-05RK	84.44	86.60	11.89	74.71	9.7	11.93	74.67	9.8
MW-06RK	82.05	83.87	15.97	67.90	14.2	15.90	67.97	14.1
MW-07RK	96.58	98.72	28.30	70.42	26.2	28.28	70.44	26.1
Eighteen Mile Creek								
Surface Water Elevation (William Street)	83.52	-	-	-	-	7.90	75.6	-
Surface Water Elevation (198 Parcel)	75.10	-	-	-	-	0.79	75.9	-
Building D-Deep Basement								
Standing Water Elevation	75.2	-	-	-	-	6.1	69.2	-

Notes:

1. All measurements and elevations are in feet.
2. TOC = Top of PVC casing
3. bgs = Below Ground Surface
4. The surface water elevation for Eighteen Mile Creek (William Street) was measured from the top of the metal dam on the south side of William Street.
5. The surface water elevation for Building D-Deep Basement was measured from the window sill located at ground level at the southwest corner of Building D.
6. The surface water elevation for Eighteen Mile Creek (198 Parcel) was measured from the invert of the 12-inch CMP. The invert was below the surface of the water.

Table 7
Former Flintkote Site SIR
Summary of Detected Compounds in Surface Soil/Fill Samples

PARAMETER	TAGM REC. SOIL CLEANUP OBJECTIVE	SITE BACKGROUND VALUE	REGULATORY VALUE	198 Parcel		Island Parcel			300 Parcel			WSS		Background Samples	
				FS-SS01-S-O	FS-SS02-S-O	FS-SS03-S-O	FS-SS04-S-O	FS-SS05-S-O	FS-SS06-S-O	FS-SS07-S-O	FS-SS08-S-O	FS-SS09-S-O	FS-SS010-S-O	FS-SS11-S-O	FS-SS12-S-O
Semi-Volatile Organic Compounds (ug/Kg)															
2-Methylnaphthalene	36,400	-	36,400	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	9,200.00 J	270.00 J	7,200.00 U	2,800.00 U	2,200.00 U	28.00 J	370.00 U
4-Nitroaniline	-	-	-	36,000.00 U	21,000.00 U	4,600.00 U	21,000.00 U	9,500.00 U	88,000.00 U	18,000.00 U	18,000.00 U	6,700.00 U	63.00 J	880.00 U	890.00 U
Acenaphthene	50,000	-	50,000	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	33,000.00 J	1,300.00 J	1,100.00 J	2,800.00 U	2,200.00 U	360.00 U	370.00 U
Acenaphthylene	41,000	-	41,000	15,000.00 U	8,800.00 U	69.00 J	8,500.00 U	3,900.00 U	2,100.00 J	3,600.00 J	7,700.00	96.00 J	89.00 J	28.00 J	370.00 U
Anthracene	50,000	-	50,000	410.00 J	500.00 J	58.00 J	8,500.00 U	3,900.00 U	57,000.00	5,200.00 J	4,600.00 J	150.00 J	160.00 J	30.00 J	370.00 U
Benzo(a)anthracene	224	-	224	16,000.00	6,600.00 J	220.00 J	600.00 J	690.00 J	110,000.00	22,000.00	34,000.00	1,100.00 J	820.00 J	300.00 J	65.00 J
Benzo(a)pyrene	61	-	61	7,300.00 J	1,600.00 J	120.00 J	8,500.00 U	150.00 J	20,000.00 J	3,400.00 J	4,700.00 J	240.00 J	170.00 J	60.00 J	14.00 J
Benzo(b)fluoranthene	1,100	-	1,100	13,000.00 J	5,200.00 J	320.00 J	940.00 J	680.00 J	160,000.00	18,000.00	33,000.00	1,100.00 J	810.00 J	400.00	84.00 J
Benzo(ghi)perylene	50,000	-	50,000	640.00 J	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	36,000.00 U	7,400.00 U	7,200.00 U	2,800.00 U	2,200.00 U	360.00 U	370.00 U
Benzo(k)fluoranthene	1,100	-	1,100	16,000.00	2,600.00 J	270.00 J	8,500.00 U	890.00 J	200,000.00	22,000.00	26,000.00	1,400.00 J	910.00 J	180.00 J	57.00 J
Bis(2-ethylhexyl) phthalate	50,000	-	50,000	40,000.00 B	24,000.00 B	84.00 J	8,500.00 U	5,500.00	50,000.00 B	7,400.00 U	7,200.00 U	1,000.00 J	110.00 J	47.00 J	42.00 J
Butyl benzyl phthalate	50,000	-	50,000	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	36,000.00	7,400.00 U	7,200.00 U	73.00 J	2,200.00 U	360.00 U	18.00 J
Carbazole	-	-	-	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	33,000.00 J	2,100.00 J	890.00 J	100.00 J	72.00 J	20.00 J	370.00 U
Chrysene	400	-	400	25,000.00	8,700.00 J	260.00 J	680.00 J	730.00 J	92,000.00	18,000.00	25,000.00	1,100.00 J	840.00 J	380.00	84.00 J
Dibenzo(a,h)anthracene	14	-	14	1,900.00 J	600.00 J	1,900.00 U	8,500.00 U	3,900.00 U	16,000.00 J	2,400.00 J	4,000.00 J	2,800.00 U	78.00 J	75.00 J	12.00 J
Dibenzofuran	6,200	-	6,200	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	26,000.00 J	850.00 J	430.00 J	2,800.00 U	2,200.00 U	13.00 J	370.00 U
Diethyl phthalate	7,100	-	7,100	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	23,000.00	36,000.00 U	7,400.00 U	7,200.00 U	2,800.00 U	2,200.00 U	360.00 U	370.00 U
Di-n-butyl phthalate	8,100	-	8,100	15,000.00 U	8,800.00 U	1,900.00 U	2,100.00 U	3,900.00 U	36,000.00 U	7,400.00 U	7,200.00 U	2,800.00 U	2,200.00 U	34.00 J	28.00 J
Di-n-octyl phthalate	50,000	-	50,000	640.00 J	300.00 J	1,900.00 U	8,500.00 U	15,000.00	940.00 J	7,400.00 U	7,200.00 U	2,800.00 U	2,200.00 U	10.00 J	15.00 J
Fluoranthene	50,000	-	50,000	4,000.00 J	5,600.00 J	550.00 J	1,500.00 J	1,500.00 J	240,000.00	50,000.00	79,000.00	3,100.00	2,100.00 J	590.00	170.00 J
Fluorene	50,000	-	50,000	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	48,000.00	2,200.00 J	1,300.00 J	2,800.00 U	2,200.00 U	16.00 J	370.00 U
Indeno(1,2,3-cd)pyrene	3,200	-	3,200	1,200.00 J	440.00 J	1,900.00 U	8,500.00 U	3,900.00 U	12,000.00 J	1,700.00 J	2,500.00 J	96.00 J	70.00 J	59.00 J	12.00 J
Naphthalene	13,000	-	13,000	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	36,000.00	470.00 J	7,200.00 U	2,800.00 U	2,200.00 U	18.00 J	370.00 U
Phenanthrene	50,000	-	50,000	6,600.00 J	4,500.00 J	220.00 J	1,000.00 J	530.00 J	250,000.00	20,000.00	9,000.00	1,300.00 J	1,200.00 J	330.00 J	84.00 J
Phenol	30	-	30	15,000.00 U	8,800.00 U	1,900.00 U	8,500.00 U	3,900.00 U	36,000.00 U	400.00 J	7,200.00 U	2,800.00 U	2,200.00 U	360.00 U	370.00 U
Pyrene	50,000	-	50,000	8,700.00 J	3,400.00 J	390.00 J	560.00 J	580.00 J	74,000.00	13,000.00	18,000.00	970.00 J	720.00 J	240.00 BJ	370.00 U
Total SVOCs	**500,000**	-	**500,000**	**141,390.00**	**64,040.00**	**2,561.00**	**5,280.00**	**49,250.00**	**1,505,240**	**186,890.00**	**251,220.00**	**11,825.00**	**8,212.00**	**2,858.00**	**685.00**
Pesticides / PCBs (ug/Kg)															
4,4'-DDE	2,100	-	2,100	37.00 U	44.00 U	1.20 JP	7.10 JP	39.00 U	36.00 U	37.00 U	36.00 U	4.70 JPN	11.00 JP	14.00 PJ	15.00 U
4,4'-DDT	2,100	-	2,100	37.00 UJ	44.00 U	3.70 U	52.00 PNJ	39.00 UJ	43.00	46.00 PJ	36.00 U	21.00 J	33.00	11.00	15.00 U
Aroclor 1254	1,000	-	1,000	1,100.00 PJ	2,100.00 PJ	37.00 U	170.00 U	4,600.00	360.00 U	370.00 U	360.00 U	220.00 U	180.00 U	37.00 U	150.00 U
Dieldrin	44	-	44	37.00 U	44.00 U	3.70 U	17.00 U	390.00 U	36.00 U	37.00 U	36.00 U	22.00 U	18.00 U	4.70 PJ	170.00
Endosulfan I	900	-	900	19.00 U	22.00 U	2.00	8.70 U	20.00 U	19.00 U	19.00 U	19.00 U	5.90 JP	9.10 U	1.90 U	7.50 U
Endosulfan Sulfate	1,000	-	1,000	37.00 U	44.00 U	3.70 U	17.00 U	39.00 U	36.00 U	37.00 U	19.00 JP	25.00 P	18.00 U	3.70 U	15.00 U
Endrin aldehyde	-	-	-	37.00 U	44.00 U	3.70 U	8.60 JP	39.00 U	36.00 U	20.00 J	28.00 JP	22.00 U	18.00 U	2.30 JPN	15.00 U
Endrin ketone	-	-	-	37.00 U	44.00 U	3.70 U	8.80 JP	39.00 U	36.00 U	37.00 U	36.00 U	22.00 U	5.80 JP	3.70 U	15.00 U
Methoxychlor	-	-	-	190.00 U	220.00 U	19.00 U	87.00 U	200.00 U	25.00 U	60.00 JP	190.00 U	110.00 U	91.00 U	190.00 U	75.00 U
Total Pesticides	**10,000**	-	**10,000**	**0.00**	**0.00**	**3.20**	**76.50**	**0.00**	**43.00**	**126.00**	**47.00**	**56.60**	**49.80**	**32.00**	**170.00**
TAL - Metals (mg/Kg)															
Aluminum	SB	11,670	11,670	6,160.00 *	5,110.00 *	1,480.00 *	4,480.00 *	8,640.00	11,200.00 *	4,970.00 *	5,790.00 *	10,800.00 *	9,280.00 *	9,240.00	14,100.00
Antimony	SB	2	2	148.00 NJ	149.00 NJ	22.30 N*J	5.90 BN*J	33.90 *J	2.10 BNJ	1.50 BNJ	1.50 BNJ	8.30 BN*J	9.80 N*J	1.60 B*J	1.90 B*J
Arsenic	7.5 or SB	6	7.5	47.50 N	36.10 N	59.60 N*	15.70 N*	37.80	9.20 N	10.10 N	13.10 N	21.60 N*	23.10 N*	7.30	4.70
Barium	300 or SB	86	300	1,250.00 N*	1,230.00 N*	755.00 N*	211.00 N*	2,440.00 *	125.00 N*J	74.90 N*J	64.20 N*J	655.00 N*J	451.00 N*J	97.50 *J	73.70 *J
Beryllium	0.16 or SB	0.52	0.52	0.70	0.40 B	0.18 B	0.91	0.87	0.61	0.34 B	0.37 B	1.20	0.74	0.48 B	0.56 B
Cadmium	1 or SB	ND	1	16.70	37.90	0.04 NU*	2.40 N*	16.60	0.53 B	0.32 B	0.03 U	0.89 N*	0.04 NU*	0.03 U	0.03 U
Calcium	SB	4,305	4,305	12,400.00 E	10,800.00 E	12,000.00 E	8,950.00 E	14,200.00 *	81,300.00 EJ	82,400.00 EJ	62,100.00 EJ	26,700.00 EJ	14,400.00 EJ	6,180.00 *	2,430.00 *
Chromium	10 or SB	14	14	186.00 *	130.00 *	59.30 N*	26.80 N*	125.00	11.10 *	15.40 *	13.10 *	37.60 N*	40.80 N*	11.30	16.70
Cobalt	30 or SB	8	30	25.00	34.90	20.00	6.00 B	13.40	5.20 B	5.40 B	6.80	10.40	12.60	7.10	8.50
Copper	25 or SB	18	25	15,900.00 N*	51,000.00 N*	3,500.00 *	163.00 *	1,560.00	63.60 N*J	74.30 N*J	36.40 N*J	256.00 *J	2,620.00 *J	24.70 J	11.60 J
Cyanide	-	ND	-	1.60	2.20	1.30	1.20 U	1.50	1.10 U	1.10 U	1.10 U	1.60	1.10	1.10 U	1.10 U
Iron	2,000 or SB	17,300	17,300	202,000.00 E	231,000.00 E	149,000.00 *	20,000.00 *	87,500.00 *	9,360.00 EJ	15,500.00 EJ	13,400.00 EJ	33,800.00 *J	60,800.00 *J	14,500.00 *	20,100.00 *
Lead	SB	53	53	7,240.00 *	7,610.00 *	2,390.00 *	319.00 *	2,860.00 E	68.70 *	138.00 *	57.60 *	1,780.00 *	1,140.00 *	80.90 E	25.30 E
Magnesium	SB	3,360	3,360	2,740.00 *	2,620.00 *	2,410.00	2,140.00	3,070.00 *	19,300.00 *	33,100.00 *	22,100.00 *	5,640.00	4,300.00	2,980.00 *	3,740.00 *
Manganese	SB	535	535	1,150.00 E	1,380.00 E	1,870.00 *	381.00 *	820.00 E	452.00 EJ	594.00 EJ	685.00 EJ	1,250.00 *J	1,350.00 *J	635.00 E	435.00 E
Mercury	0.1	0.048	0.1	5.30 *	7.30 *	1.40 *	0.89 *	8.00 *	10.80 *	0.83 *	0.25 *	1.50 *	0.71 *	0.05	0.05
Nickel	13 or SB	18	18	289.00 EJ	549.00 EJ	37.40 NJ	46.10 NJ	152.00 J	16.40 EJ	21.80 EJ	26.60 EJ	42.90 NJ	60.30 NJ	15.30	19.80
Potassium	SB	1,260	1,260	505.00 B	558.00 B	359.00 B	700.00	675.00	1,750.00	1,120.00	1,260.00	1,830.00	1,780.00	1,180.00	1,340.00
Selenium	2 or SB	1.45	2	10.00	10.70	5.50 N	2.20 BN	4.60	0.72 B	1.40 B	1.20 B	3.80 BN	3.80 BN	1.50 B	1.40 B
Silver	SB	0.19	0.19	19.20 J	12.80 J	3.20 J	0.85 BJ	8.20 EJ	0.27 B	0.16 B	0.13 B	1.20 B	1.40	0.22 BE	0.16 BE
Sodium	SB	67	67	669.00	836.00	288.00 B	173.00 B	537.00 B	471.00 B	93.00 B	100.00 B	284.00 B	208.00 B	69.30 B	64.30 B
Thallium	SB	2.6	2.6	28.70	32.70	13.90 N*	2.90 N*	9.40 *	1.90	2.80	2.30	4.90 N*	6.50 N*	2.30 *	2.90 *
Vanadium	150 or SB	22	150	103.00	15.60	14.30	35.00	21.90	22.60	17.20	14.40	30.10	24.20	17.90	27.00
Zinc	20 or SB	255	255	16,600.00 E*	21,900.00 E*	3,810.00	775.00	5,710.00 E	230.00 E*J	236.00 E*J	115.00 E*J	1,510.00 J	2,390.00 J	404.00 EJ	105.00 EJ

Notes:
1. Regulatory value source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-92-4046).
2. Site background values for inorganic analytes were determined by averaging the results from the two background samples (SS11 and SS12).
3. The regulatory values for inorganic analytes were determined by using the higher of the TAGM or average site background value.
4. Shaded values represent exceedances of the regulatory value.
5. (-) = No regulatory value is associated with this compound.
6. ug/Kg = micrograms per Kilogram (equivalent to parts per billion (ppb)).
7. mg/Kg = milligrams per Kilogram (equivalent to parts per million (ppm)).
8. NA = compound was not analyzed.
9. Only compounds with one or more detections are shown.
10. A site specific form of Cyanide must be determined before a cleanup objective is established.
11. Total SVOCs/Pesticides are equal to the sum of only the detected SVOCs/Pesticides.
12. Definitions of data qualifiers are presented in Table 13.

Table 8
Former Flintkote Site SIR
Summary of Detected Compounds in Subsurface Soil/Fill Samples

PARAMETER	TAGM REC. SOIL CLEANUP OBJECTIVE	SITE BACKGROUND VALUE	REGULATORY VALUE	198 Parcel						Water Street Parcel				Island Parcel					300 Parcel					
				SP - 02			MICRO - 01		MW - 04RK					SP - 11					MW - 02OB					
				FS-SP02-D24-S-O	FS-SP02-D26-S-O	FS-SP03-D04-S-O	FS-MICRO01-D68-S-O	FS-MICRO01-D610-S-O	FS-MW04RK-D34-S-O	FS-MW04RK-D35-S-O	FS-MW04RK-D68-S-O	FS-SP06-D24-S-O	FS-SP07-D24-S-O	FS-SP09-D14-S-O	FS-SP23-D14-S-O	FS-SP11-D810-S-O	FS-SP11-D410-S-O	FS-SP11-D1012-S-O	FS-SP12-D02-S-O	FS-SP13-D0.53.5-S-O	FS-MW06RK-D810-S-O	FS-SP16-D812-S-O	FS-SP19-D48-S-O	FS-SP21-D45-S-O	FS-MW02OB-D2426-S-O	FS-MW03RK-D1415.5-S-O
Interval Sampled (feet bgs):				2' - 4'	2' - 6'	0' - 4'	6' - 8'	6' - 10'	3' - 4'	3' - 5'	6' - 8'	2' - 4'	2' - 4'	1' - 4'	1' - 4'	8' - 10'	4' - 10'	10' - 12'	0' - 2'	0.5' - 3.5'	8' - 10'	8' - 12'	4' - 8'	4' - 5'	24' - 26'	24' - 28'	14' - 15.5'
Soil Type:				Native	Native	Native	Native	Native	Fill	Fill	Native	Native	Native	Fill	Fill	Fill	Fill	Native	Fill	Fill	Native	Native	Native	Fill	Native	Fill
Volatile Organic Compounds (ug/Kg)																										
Acetone	200	-	200	13.00 U	NA	11.00 U	22.00	NA	17.00 U	NA	11.00 U	11.00 U	12.00 U	11.00 U	11.00 U	11.00 U	NA	NA	10.00 U	11.00 U	13.00 UJ	11.00 U	11.00 U	10.00 U	9.00 J	NA	24.00
Methylene chloride	100	-	100	14.00	NA	20.00	15.00	NA	16.00 J	NA	7.00 J	11.00	15.00 U	9.00 J	7.00 J	16.00	NA	NA	13.00	14.00	7.00 J	20.00	9.00 J	4.00 J	6.00 J	NA	9.00 J
Total VOCs (ppb)	10,000	-	10,000	14.00	NA	20.00	37.00	NA	16.00	NA	7.00	11.00	0.00	9.00	7.00	16.00	NA	NA	13.00	14.00	7.00	20.00	9.00	4.00	15.00	NA	33.00
Semi-Volatile Organic Compounds (ug/Kg)																										
2-Methylnaphthalene	36,400	-	36,400	NA	2,300.00 U	370.00 U	NA	370.00 U	NA	1,200.00 J	380.00 U	370.00 U	380.00 U	170.00 J	360.00 U	NA	3,800.00 U	NA	260.00 J	370.00 U	440.00 UJ	40.00 J	400.00	1,100.00 J	NA	12.00 J	NA
4-Methylphenol	900	-	900	NA	2,300.00 U	370.00 U	NA	370.00 U	NA	20,000.00 U	380.00 U	370.00 U	380.00 U	370.00 U	360.00 U	NA	3,800.00 U	NA	1,800.00 U	370.00 U	440.00 UJ	370.00 U	11.00 J	1,400.00 U	NA	370.00 U	NA
Acenaphthene	50,000	-	50,000	NA	200.00 J	370.00 U	NA	370.00 U	NA	5,200.00 J	23.00 J	370.00 U	380.00 U	86.00 J	360.00 U	NA	3,800.00 U	NA	450.00 J	370.00 U	440.00 UJ	190.00 J	68.00 J	49.00 J	NA	18.00 J	NA
Acenaphthylene	41,000	-	41,000	NA	170.00 J	370.00 U	NA	370.00 U	NA	510.00 J	380.00 U	370.00 U	380.00 U	150.00 J	16.00 J	NA	3,800.00 U	NA	130.00 J	370.00 U	440.00 UJ	31.00 J	130.00 J	82.00 J	NA	370.00 U	NA
Anthracene	50,000	-	50,000	NA	900.00 J	370.00 U	NA	370.00 U	NA	9,000.00 J	63.00 J	370.00 U	380.00 U	380.00	32.00 J	NA	3,800.00 U	NA	1,400.00 J	370.00 U	440.00 UJ	470.00	280.00 J	360.00 J	NA	50.00 J	NA
Benzo(a)anthracene	224	-	224	NA	3,200.00	370.00 U	NA	22.00 J	NA	16,000.00 J	160.00 J	370.00 U	44.00 J	1,300.00	190.00 J	NA	370.00 J	NA	3,500.00	370.00 U	440.00 UJ	930.00	1,100.00	690.00 J	NA	72.00 J	NA
Benzo(a)pyrene	61	-	61	NA	2,800.00	370.00 U	NA	19.00 J	NA	3,900.00 J	89.00 J	370.00 U	27.00 J	1,100.00	180.00 J	NA	390.00 J	NA	3,000.00	370.00 U	440.00 UJ	830.00	1,000.00	460.00 J	NA	41.00 J	NA
Benzo(b)fluoranthene	1,100	-	1,100	NA	2,900.00	370.00 U	NA	14.00 J	NA	11,000.00 J	120.00 J	370.00 U	25.00 J	1,700.00	190.00 J	NA	370.00 J	NA	2,300.00	370.00 U	440.00 UJ	800.00	1,200.00	530.00 J	NA	35.00 J	NA
Benzo(ghi)perylene	50,000	-	50,000	NA	1,000.00 J	370.00 U	NA	11.00 J	NA	20,000.00 U	380.00 U	370.00 U	14.00 J	400.00	93.00 J	NA	200.00 J	NA	1,700.00 J	370.00 U	440.00 UJ	230.00 J	190.00 J	170.00 J	NA	370.00 U	NA
Benzo(k)fluoranthene	1,100	-	1,100	NA	2,300.00	370.00 U	NA	16.00 J	NA	16,000.00 J	89.00 J	370.00 U	24.00 J	1,500.00	120.00 J	NA	410.00 J	NA	2,000.00	370.00 U	440.00 UJ	670.00	790.00	370.00 J	NA	29.00 J	NA
Bis(2-ethylhexyl) phthalate	50,000	-	50,000	NA	2,300.00 U	44.00 J	NA	370.00 U	NA	11,000.00 J	170.00 J	370.00 U	380.00 U	370.00 U	360.00 U	NA	3,800.00 U	NA	1,800.00 U	370.00 U	440.00 UJ	230.00 J	99.00 J	1,400.00 U	NA	370.00 UJ	NA
Butyl benzyl phthalate	50,000	-	50,000	NA	2,300.00 U	370.00 U	NA	370.00 U	NA	20,000.00 U	380.00 U	370.00 U	380.00 U	370.00 U	360.00 U	NA	3,800.00 U	NA	1,800.00 U	370.00 U	440.00 UJ	17.00 J	350.00 U	1,400.00 U	NA	370.00 U	NA
Carbazole	-	-	-	NA	160.00 J	370.00 U	NA	370.00 U	NA	3,300.00 J	29.00 J	370.00 U	380.00 U	140.00 J	10.00 J	NA	3,800.00 U	NA	400.00 J	370.00 U	440.00 UJ	300.00 J	130.00 J	110.00 J	NA	16.00 J	NA
Chrysene	400	-	400	NA	3,100.00	370.00 U	NA	20.00 J	NA	13,000.00 J	130.00 J	370.00 U	34.00 J	1,200.00	190.00 J	NA	460.00 J	NA	3,300.00	370.00 U	440.00 UJ	850.00	1,200.00	660.00 J	NA	68.00 J	NA
Dibenz(a,h)anthracene	14	-	14	NA	610.00 J	370.00 U	NA	370.00 U	NA	1,500.00 J	27.00 J	370.00 U	380.00 U	210.00 J	46.00 J	NA	3,800.00 U	NA	710.00 J	370.00 U	440.00 UJ	270.00 J	220.00 J	110.00 J	NA	370.00 U	NA
Dibenzofuran	6,200	-	6,200	NA	120.00 J	370.00 U	NA	370.00 U	NA	4,400.00 J	20.00 J	370.00 U	380.00 U	120.00 J	360.00 U	NA	3,800.00 U	NA	380.00 J	370.00 U	440.00 UJ	130.00 J	200.00 J	450.00 J	NA	19.00 J	NA
Di-n-butyl phthalate	8,100	-	8,100	NA	2,300.00 U	10.00 J	NA	370.00 U	NA	20,000.00 U	380.00 U	370.00 U	380.00 U	10.00 J	11.00 J	NA	110.00 J	NA	1,800.00 U	370.00 U	440.00 UJ	11.00 J	13.00 J	1,400.00 U	NA	370.00 UJ	NA
Fluorene	50,000	-	50,000	NA	470.00 J	370.00 U	NA	370.00 U	NA	4,600.00 J	21.00 J	370.00 U	380.00 U	140.00 J	360.00 U	NA	3,800.00 U	NA	500.00 J	370.00 U	440.00 UJ	260.00 J	100.00 J	160.00 J	NA	27.00 J	NA
Fluoranthene	50,000	-	50,000	NA	6,900.00	370.00 U	NA	40.00 J	NA	45,000.00	350.00 J	15.00 J	72.00 J	2,600.00	300.00 J	NA	580.00 J	NA	6,800.00	22.00 J	440.00 UJ	1,800.00	2,400.00	1,300.00 J	NA	180.00 J	NA
Indeno(1,2,3-cd)pyrene	3,200	-	3,200	NA	1,200.00 J	370.00 U	NA	370.00 U	NA	1,600.00 J	50.00 J	370.00 U	13.00 J	450.00	96.00 J	NA	120.00 J	NA	1,600.00 J	370.00 U	440.00 UJ	550.00	440.00	190.00 J	NA	17.00 J	NA
Naphthalene	13,000	-	13,000	NA	59.00 J	370.00 U	NA	370.00 U	NA	4,600.00 J	24.00 J	370.00 U	380.00 U	140.00 J	18.00 J	NA	3,800.00 U	NA	260.00 J	370.00 U	440.00 UJ	130.00 J	220.00 J	550.00 J	NA	36.00 J	NA
Phenanthrene	50,000	-	50,000	NA	3,600.00	370.00 U	NA	36.00 J	NA	42,000.00	290.00 J	370.00 U	33.00 J	1,700.00	150.00 J	NA	450.00 J	NA	6,200.00	15.00 J	440.00 UJ	1,800.00	1,400.00	1,800.00	NA	240.00 J	NA
Phenol	30	-	30	NA	2,300.00 U	370.00 U	NA	370.00 U	NA	20,000.00 U	380.00 U	370.00 U	380.00 U	34.00 J	360.00 U	NA	3,800.00 U	NA	1,800.00 U	370.00 U	440.00 UJ	370.00 U	350.00 U	1,400.00 U	NA	12.00 J	NA
Pyrene	50,000	-	50,000	NA	6,500.00	370.00 U	NA	46.00 J	NA	16,000.00 J	280.00 J	13.00 J	60.00 J	1,800.00	220.00 J	NA	610.00 J	NA	6,900.00	20.00 J	440.00 UJ	1,700.00	1,800.00	990.00 J	NA	160.00 J	NA
Total SVOCs (ppb)	**500,000**	-	**500,000**	NA	**35,519.00**	**54.00**		**224.00**	NA	**209,810.00**	**1,935.00**	**28.00**	**346.00**	**15,330.00**	**1,862.00**		**4,070.00**	NA	**41,799.00**	**57.00**	**0.00**	**12,239.00**	**13,391.00**	**10,151.00**	NA	**1,032.00**	NA
Pesticides / PCBs (ug/Kg)																										
4,4'-DDD	2,900	-	2,900	NA	48.00 U	19.00 JP	NA	3.70 U	NA	45.00 U	3.80 U	3.70 U	3.80 U	15.00 U	15.00 U	NA	38.00 U	NA	36.00 U	3.70 U	4.50 UJ	3.70 U -	3.50 U	14.00 U	NA	3.70 UJ	NA
4,4'-DDE	2,100	-	2,100	NA	48.00 U	38.00 U	NA	3.70 U	NA	45.00 U	3.80 U	3.70 U	3.80 U	15.00 U	15.00 U	NA	38.00 U	NA	36.00 U	3.70 U	4.50 UJ	3.70 U	0.83 JP	14.00 U	NA	3.70 UJ	NA
4,4'-DDT	2,100	-	2,100	NA	48.00 U	38.00 U	NA	3.70 U	NA	20.00 JP	3.80 U	3.70 U	3.80 U	7.60 J	15.00 J	NA	38.00 U	NA	36.00 U	3.70 U	4.50 UJ	0.91 J	2.70 J	14.00 U	NA	3.70 UJ	NA
Aroclor 1254	10,000	-	10,000	NA	480.00 U	380.00 U	NA	37.00 U	NA	480.00	38.00 U	37.00 U	38.00 U	150.00 U	150.00 U	NA	2,800.00 P	57.00 U	360.00 U	37.00 U	45.00 UJ	37.00 U	22.00 J	140.00 U	NA	37.00 UJ	NA
Aroclor 1260	10,000	-	10,000	NA	480.00 U	380.00 U	NA	37.00 U	NA	450.00 U	38.00 U	37.00 U	38.00 U	150.00 U	150.00 U	NA	1,800.00 P	57.00 U	360.00 U	37.00 U	45.00 UJ	37.00 U	35.00 U	140.00 U	NA	37.00 UJ	NA
Endrin aldehyde	-	-	-	NA	18.00 JP	38.00 U	NA	3.70 U	NA	9.30 JP	3.80 U	3.70 U	3.80 U	15.00 U	15.00 U	NA	38.00 U	NA	8.30 J	3.70 U	4.50 UJ	3.70 U	3.50 U	14.00 U	NA	3.70 UJ	NA
Endrin ketone	-	-	-	NA	48.00 U	38.00 U	NA	3.70 U	NA	36.00 JP	3.80 U	3.70 U	3.80 U	5.80 JP	3.60 JP	NA	38.00 U	NA	17.00 JPN	3.70 U	4.50 UJ	3.70 U	3.50 U	6.20 JP	NA	3.70 UJ	NA
Total Pesticides (ppb)	**10,000**	-	**10,000**	**NA**	**18.00**	**19.00**	NA	**0.00**	NA	**65.30**	**0.00**	**0.00**	**0.00**	**13.40**	**18.60**	NA	**0.00**	**NA**	**25.30**	**0.00**	**0.00**	**0.91**	**3.53**	**6.20**	NA	**0.00**	NA
TAL - Metals (mg/Kg)																										
Aluminium	SB	11,670	11,670	NA	3,910.00 EJ	3,730.00 J	NA	6,160.00 EJ	NA	3,640.00 *	7,730.00 *	4,850.00 EJ	9,220.00 E	6,790.00 E	10,100.00 E	NA	4,960.00 E	6,220.00 E	3,770.00 E	11,100.00 E	6,980.00 EJ	7,730.00	5,910.00	5,860.00 E	NA	15,700.00 EJ	NA
Antimony	SB	2	2	NA	6.80 BNJ	0.48 NUJ	NA	3.10 BNJ	NA	7.80 N*J	1.30 BN*J	0.47 NUJ	0.92 BNJ	5.90 BNJ	21.80 NJ	NA	128.00 NJ	1.10 BNJ	16.20 NJ	0.70 BNJ	0.77 BJ	1.10 BNJ	3.40 BNJ	1.40 BNJ	NA	0.58 BJ	NA
Arsenic	7.5 or SB	6	7.5	NA	7.50	1.80 *	NA	10.90	NA	10.30 N*J	14.20 N*J	3.80	8.60	14.40	24.50	NA	63.20	4.30	32.30	1.00 B	5.90 J	3.00 *	143.00 *	16.10	NA	2.10 J	NA
Barium	300 or SB	86	300	NA	67.40 EJ	22.80 BN*J	NA	80.00 EJ	NA	211.00 N*J	69.80 N*J	26.50 EJ	87.70 E	564.00 E	2,170.00 E	NA	1,940.00 E	33.50 E	586.00 E	33.50 E	38.30 EJ	59.30 N*	114.00 N*	106.00 E	NA	53.80 EJ	NA
Beryllium	0.16 or SB	0.52	0.52	NA	0.37 B	0.22 B	NA	0.49 B	NA	0.38 B	0.54 B	0.27 B	0.51 B	0.58	0.44 B	NA	0.35 B	0.30 B	0.37 B	0.61	0.34 BJ	0.60	1.60	0.79	NA	0.88 J	NA
Cadmium	1 or SB	ND	1	NA	0.04 NUJ	0.04 U*J	NA	0.03 NUJ	NA	0.04 NU*J	0.03 NU*J	0.03 NUJ	0.04 NUJ	4.60 NJ	3.20 N	NA	4.40 NJ	0.04 NUJ	15.30 NJ	0.03 NUJ	0.04 UJ	0.03 U*	0.23 B*	0.03 NU	NA	0.03 UJ	NA
Calcium	SB	4,305	4,305	NA	66,500.00 E	6,560.00 *	NA	15,000.00 E	NA	24,200.00 EJ	96,900.00 J	95,500.00 E	36,000.00 E	78,700.00 E	77,200.00 E	NA	52,600.00 E	95,700.00 E	45,100.00 E	869.00 E	42,800.00 EJ	6,880.00 *	6,930.00 *	13,900.00 E	NA	2,960.00 EJ	NA
Chromium	10 or SB	14	14	NA	12.30 EJ	4.90 J	NA	11.20 EJ	NA	45.20 N*J	8.90 N*J	5.80 EJ	9.30 E	41.60 E	32.80 E	NA	76.10 E	7.90 E	45.90 E	13.90 E	9.00 EJ	12.20	9.60	16.90 E	NA	10.60 EJ	NA
Cobalt	30 or SB	8	30	NA	4.20 BE	3.80 B	NA	8.80 E	NA	5.40 B	10.80	4.60 BE	7.80 E	9.50 E	10.40 E	NA	29.00 E	6.60 BE	12.90 E	10.30 E	6.50 BEJ	7.00	8.00	9.80 E	NA	9.90 EJ	NA
Copper	25 or SB	18	25	NA	406.00 EN*J	13.50 NJ	NA	45.20 EN*J	NA	1,280.00 *	52.30 *	23.10 EN*J	30.40 EN*J	1,610.00 EN*J	2,130.00 EN*J	NA	15,200.00 EN*J	43.90 EN*J	17,600.00 EN*J	15.70 EN*J	29.70 J	27.10 N*J	42.40 N*J	52.90 EN*J	NA	3.90 J	NA
Cyanide	-	ND	-	NA	1.40 U	1.10 U	NA	1.00 U	NA	4.20	1.10 U	1.00 U	1.10 U	4.10	6.40	NA	9.30	NA	3.60	1.10 U	1.30 UJ	1.10 U	1.10 U	1.00 U	NA	1.10 UJ	NA
Iron	2,000 or SB	17,300	17,300	NA	15,200.00 EJ	7,560.00 *J	NA	35,700.00 EJ	NA	41,500.00 *	20,200.00 *	8,620.00 EJ	17,500.00 E	42,500.00 E	55,600.00 E	NA	220,000.00 E	13,000.00 E	128,000.00 E	22,300.00 E	14,500.00 EJ	18,000.00 *	20,500.00 *	18,800.00 E	NA	12,900.00 EJ	NA
Lead	SB	53	53	NA	914.00 N*	2.70 *	NA	90.50 N*	NA	1,060.00 *	41.10 *	5.40 N*	25.70 N*	3,230.00 N*	2,250.00 N*	NA	10,000.00 N*	12.10 N*	8,600.00 N*	7.50 N*	7.60 J	38.40 *	53.90 *	71.10 N*	NA	6.30 J	NA
Magnesium	SB	3,360	3,360	NA	8,210.00 EJ	1,600.00 *J	NA	4,390.00 EJ	NA	2,720.00	4,700.00	6,710.00 EJ	3,860.00 E	5,470.00 E	14,900.00 E	NA	3,390.00 E	5,180.00 E	2,670.00 E	4,560.00 E	3,330.00 EJ	4,360.00 *	1,840.00 *	3,300.00 E	NA	2,260.00 EJ	NA
Manganese	SB	535	535	NA	320.00 EJ	503.00 N*J	NA	2,200.00 EJ	NA	457.00 *	1,630.00 *	620.00 EJ	1,980.00 E	800.00 E	1,320.00 EJ	NA	1,610.00 E	825.00 E	771.00 E	185.00 E	664.00 EJ	252.00 N*J	207.00 N*J	486.00 EJ	NA	626.00 EJ	NA
Mercury	0.1	0.048	0.1	NA	0.629 *	0.017 U*	NA	0.030 B*	NA	20.200 *J	0.064 *J	0.015 U*	0.059 *	2.700 *	10.700 *	NA	1.300 *	0.018 U*	5.800 *	0.015 U*	0.04 BJ	0.166 *	0.071 *	0.364 *	NA	0.069 J	NA
Nickel	13 or SB	18	18	NA	16.40 EJ	6.10 J	NA	16.80 EJ	NA	30.30 NJ	15.30 NJ	6.70 EJ	12.80 E	26.30 E	44.90 E	NA	139.00 E	10.80 E	62.40 E	23.00 E	11.70 EJ	16.70	23.60	20.60 E	NA	26.80 EJ	NA
Potassium	SB	1,260	1,260	NA	731.00 B	631.00	NA	1,220.00	NA	1,150.00	1,820.00	1,300.00	950.00	1,600.00	1,140.00	NA	651.00	1,180.00	679.00	1,670.00	1,050.00 J	1,700.00	589.00	1,050.00 E	NA	1,300.00 J	NA
Selenium	2 or SB	1.45	2	NA	1.40 B	0.67 BN	NA	2.90 B	NA	3.20 BNJ	1.50 BNJ	0.78 B	1.70 B	2.60 B	2.90 BJ	NA	8.60	0.71 B	5.00	1.00 B	0.39 UJ	1.20 BN	3.20 BN	2.80 BJ	NA	0.84 BJ	NA
Silver	SB	0.19	0.19	NA	0.460 B	0.110 B	NA	0.280 B	NA	1.300	0.490 B	0.080 U	0.140 B	1.400	3.600	NA	10.700	0.100 U	9.200	0.080 U	0.10 UJ	0.120 B	0.100 B	0.130 B	NA	0.08 UJ	NA
Sodium	SB	67	67	NA	144.00 B	56.10 B	NA	122.00 B	NA	146.00 B	104.00 B	100.00 B	126.00 B	229.00 B	206.00 B	NA	407.00 B	86.30 B	650.00	28.50 U	34.60 UJ	144.00 B	161.00 B	107.00 B	NA	685.00 J	NA
Thallium	SB	2.6	2.6	NA	3.30	2.20 N*	NA	7.60	NA	5.30 N*J	2.60 N*J	1.00	3.90	8.10	10.10	NA	32.00	2.80	21.60	4.30	2.10 J	3.80 N*J	5.50 N*J	4.20 J	NA	5.50 NJ	NA
Vanadium	150 or SB	22	150	NA	11.70 EJ	9.30 J	NA	19.40 EJ	NA	11.20	13.60	10.20 EJ	15.30 E	13.50 E	17.00 EJ	NA	30.50 E	12.70 E	11.30 E	14.00 E	15.40 EJ	12.60	19.10	25.20 E	NA	11.30 EJ	NA
Zinc	20 or SB	255	255	NA	234.00 EJ	16.70 NJ	NA	259.00 EJ	NA	1,300.00	74.30	23.70 EJ	69.60 EJ	3,340.00 EJ	3,470.00 EJ	NA	8,010.00 EJ	34.50 EJ	13,000.00 E	54.60 EJ	43.90 EJ	85.30 NJ	146.00 NJ	117.00 EJ	NA	29.00 EJ	NA

Notes:
1. Regulatory value source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-92-4046).
2. Site background values for inorganic analytes were determined by averaging the results from the two background samples (SS11 and SS12).
3. The regulatory values for inorganic analytes were determined by using the higher of the TAGM or average site background value.
4. Shaded values represent exceedances of the regulatory value.
5. (-) = No regulatory value is associated with this compound.
6. ug/Kg = micrograms per Kilogram (equivalent to parts per billion (ppb)).
7. mg/Kg = milligrams per Kilogram (equivalent to parts per million (ppm)).
8. NA = compound was not analyzed.
9. Only compounds with one or more detections are shown.
10. A site specific form of Cyanide must be determined before a cleanup objective is established.
11. Total VOCs/SVOCs/Pesticides are equal to the sum of only the detected VOCs/SVOCs/Pesticides.
12. Definitions of data qualifiers are presented in Table 13.

Table 9
Former Flintkote Site SIR
Summary of Detected Compounds in Groundwater Samples

PARAMETER	REGULATORY VALUE	Overburden Micro Wells								Overburden Monitoring Wells			
		FS-198-E-MICRO-GW-O		FS-198-F-MICRO-GW-O		FS-MICRO-1-GW-O		FS-MW06-MICRO-GW-O		FS-MW010B-GW-O		FS-MW020B-GW-O	
		(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)	(Total)	(Dissolved)
Semi-Volatile Organic Compounds (ug/L)													
2,4,6-Trichlorophenol	-	10 U	NA	10 U	NA	9 U	NA	10 U	NA	1 J	NA	12 U	NA
4-Methylphenol	-	10 U	NA	10 U	NA	9 U	NA	10 U	NA	0.4 J	NA	12 U	NA
Bis(2-ethylhexyl) phthalate	5	0.6 J	NA	0.3 J	NA	9 U	NA	2 J	NA	10 U	NA	12 U	NA
Dibenzo(a,h)anthracene	-	10 U	NA	10 U	NA	9 U	NA	10 U	NA	10 U	NA	0.6 J	NA
N-Nitroso-Di-n-propylamine		10 U	NA	10 U	NA	9 U	NA	10 U	NA	0.4 J	NA	12 U	NA
Phenanthrene	50	10 U	NA	10 U	NA	9 U	NA	10 U	NA	0.8 J	NA	12 U	NA
Pesticides / PCBs (ug/L)													
Aroclor 1254	0.090	0.950 U	NA	8.100	NA	0.950 U	NA	0.950 UJ	NA	0.950 UJ	NA	0.950 UJ	NA
Endrin ketone	5	0.095 U	NA	0.095 U	NA	0.095 U	NA	0.095 UJ	NA	0.095 UJ	NA	0.021 J	NA
TAL - Metals (ug/L)													
Aluminum	-	6,170 N*J	NA	41,300 N*J	NA	38,800 N*J	NA	51,000 N*J	NA	17,600 N*J	NA	226,000 N*J	NA
Antimony	3	13.1 B	NA	65.3	NA	24.6 B	NA	15.8 B	NA	28.1 B	NA	12.5 B	NA
Arsenic	25	13.2	3.4 U	65.2	3.4 U	64.5	4.4 B	31	3.4 U	36.6	5.9 B	67.3	3.4 U
Barium	1,000	560 E	353	2,570 E	101 B	871 E	182 B	524 EJ	92.5 B	751 E	184 B	1,960 E	282
Beryllium	3	0.58 B	NA	3 B	NA	2.6 B	NA	2.4 B	NA	1.5 B	NA	12.9	NA
Cadmium	5	4.7 B	0.2 U	22.5	2 B	3.4 B	0.2 U	4.7 B	0.39 B	5.8	0.2 U	0.3 U	0.2 U
Calcium	-	53,700	NA	491,000	NA	265,000	NA	469,000	NA	173,000	NA	296,000	NA
Chromium	50	25.1 E	0.6 U	217 E	1.1 B	93.2 E	0.6 U	71.2 EJ	0.6 U	54.6 E	0.6 U	337 E	0.6 U
Cobalt	-	7.8 BE	NA	53 E	NA	49.1 BE	NA	47.6 BE	NA	22.3 BE	NA	178 E	NA
Copper	200	1,130 E	NA	6,930 E	NA	1,170 E	NA	1,390 EJ	NA	2,540 E	NA	243 E	NA
Cyanide (mg/L)	0.2	0.01 U	NA	0.015	NA	0.01 U	NA	0.01 U	NA	0.01 U	NA	0.01 U	NA
Iron	300	30,600 E*	NA	193,000 E*	NA	101,000 E*	NA	86,800 E*J	NA	75,200 E*	NA	251,000 E*	NA
Lead	25	942 E*J	1.9 U	5,610 E*J	13.3	2,570 E*J	1.9 U	808 E*J	1.9 U	3,130 E*J	1.9 U	321 E*J	5.6
Magnesium	35,000	44,200 E	NA	89,700 E	NA	55,700 E	NA	69,900 E	NA	41,000 E	NA	80,500 E	NA
Manganese	300	566 E	NA	11,100 E	NA	5,870 E	NA	5,390 EJ	NA	1,670 E	NA	16,800 E	NA
Mercury	0.7	0.58	0.055 UJ	9.8	0.055 UJ	3.6	0.055 UJ	7.4	0.055 UJ	5.8	0.055 UJ	2.1	0.055 UJ
Nickel	100	50.8 E	NA	276 E	NA	118 E	NA	90.7 EJ	NA	75 E	NA	416 E	NA
Potassium	-	16,400	NA	15,400	NA	13,600	NA	9,490	NA	26,400	NA	59,500 B	NA
Selenium	10	2.8 U	5.8 B	18.2 B	4.1 U	11.1 B	5.3 B	4.4 B	5.7 B	9.8 B	4.1 U	13.5 B	12.8 B
Silver	50	1.3 B	0.6 U	26.2	0.6 U	2.6 B	0.6 U	2.7 B	0.6 U	4 B	0.6 U	1.4 B	0.6 U
Sodium	20,000	21,000 *	NA	77,500 *	NA	63,300 *	NA	32,700 *	NA	203,000 *	NA	774,000 *	NA
Thallium	0.5	4.6 B	NA	23.7	NA	14	NA	9.8 B	NA	6 B	NA	22.5	NA
Vanadium	-	10.5 BE	NA	90.9 E	NA	69.3 E	NA	83.9 EJ	NA	28.6 BE	NA	204 E	NA
Zinc	2,000	2,170 E	NA	16,800 E	NA	2,320 E	NA	4,500 EJ	NA	4,940 E	NA	1,020 E	NA

PARAMETER	REGULATORY VALUE	Bedrock Groundwater Monitoring Wells																			FS-3SSPOON-RB
		FS-MW01RK-GW-O	FS-MW02RK-GW-O		FS-MW03RK-GW-O			FS-MW04RK-GW-O		FS-MW05RK-GW-O	FS-MW06RK-GW-O		FS-MW07RK-GW-O								
		(Total)	(Total)	(Dissolved)	(Total)	(Dissolved)	FS-MWXX-GW-FD	(Total)	(Dissolved)	(Total)	(Total)	(Dissolved)	(Total)	(Dissolved)							
Volatile Organic Compounds (ug/L)																					
Chloroform	7	2 J	10 U	NA	10 U	NA	10 U	10 U	NA	10 U	10 U	NA	10 U	NA							10 UJ
Semi-Volatile Organic Compounds (ug/L)																					
4-Chloro-3-methylphenol	-	14 U	10 U	NA	11 U	NA	10 U	11 U	NA	9 U	10 U	NA	10 U	NA							0.6 J
Bis(2-ethylhexyl) phthalate	5	14 U	10 U	NA	11 U	NA	10 U	0.4 BJ	NA	0.7 J	0.8 J	NA	10 U	NA							0.5 J
Dibenzo(a,h)anthracene	-	1 J	0.7 J	NA	0.6 J	NA	10 U	0.6 J	NA	9 U	10 U	NA	0.9 J	NA							0.7 J
Di-n-butyl phthalate	50	14 U	10 U	NA	1 J	NA	10 U	11 U	NA	9 U	10 U	NA	10 U	NA							10 U
Pentachlorophenol	1	200 D	25 U	NA	28 U	NA	25 U	27 U	NA	24 U	26 U	NA	26 U	NA							25 UJ
Phenanthrene	50	14 U	10 U	NA	11 U	NA	10 U	11 U	NA	9 U	10 U	NA	10 U	NA							0.4 J
TAL - Metals (ug/L)																					
Aluminum	-	382 N*J	7,030 N*J	NA	3,580 N*J	NA	3,790 N*J	40,500 N*J	NA	155 BN*J	22,400 N*J	NA	8,820 N*J	NA							92.9 BJ
Antimony	3	4.1 U	4.1 U	NA	4.1 U	NA	4.8 B	4.1 U	NA	4.1 U	6.1 B	NA	4.1 U	NA							4.1 UJ
Arsenic	25	3.3 U	6 B	3.4 U	7 B	3.4 B	6.4 B	34.9	3.4 U	10.9	20.7	3.4 U	7.7 B	5.2 B							3.3 UJ
Barium	1,000	50.2 BE	74.4 BE	28.6 B	149 BE	80.4 B	152 BEJ	469 E	156 B	540 E	478 EJ	215	166 BEJ	49.7 B							9.1 BJ
Beryllium	3	0.25 B	1.1 B	NA	0.62 B	NA	0.69 B	2.4 B	NA	0.32 B	1.3 B	NA	0.95 B	NA							0.23 BJ
Cadmium	5	0.3 U	0.84 B	1.3 B	0.3 U	0.2 U	0.3 U	0.3 U	0.2 U	0.3 U	0.3 U	0.2 U	0.3 U	0.2 U							0.3 UJ
Calcium	-	187,000	320,000	NA	425,000	NA	428,000	507,000	NA	235,000	150,000	NA	221,000	NA							280 BJ
Chromium	50	0.9 EU	8.5 BE	0.6 U	3.7 BE	0.6 U	4.6 BEJ	47.3 E	0.6 U	0.9 EU	36 EJ	0.83 B	11.1 EJ	0.6 U							0.9 UJ
Cobalt	-	3 BE	27.6 BE	NA	3.1 BE	NA	3.6 BE	43.4 BE	NA	1.7 BE	18.3 BE	NA	7 BE	NA							0.7 UJ
Copper	200	6.3 BE	29.7 E	NA	24 BE	NA	27.7 EJ	228 E	NA	1.7 EU	266 EJ	NA	18.4 BEJ	NA							1.7 UJ
Iron	300	482 E*	12,700 E*	NA	7,750 E*	NA	8,410 E*J	71,200 E*	NA	7,990 E*	45,700 E*J	NA	17,800 E*J	NA							206 J
Lead	25	3.4 E*J	9.7 E*J	2.7 B	5.5 E*J	1.9 U	7.3 E*J	49 E*J	1.9 U	6 E*J	484 E*J	1.9 U	7.6 E*J	1.9 U							1.6 UJ
Magnesium	35,000	22,900 E	46,300 E	NA	52,500 E	NA	55,000 E	79,100 E	NA	49,200 E	33,300 E	NA	23,200 E	NA							30.6 BJ
Manganese	300	101 E	6,310 E	NA	1,440 E	NA	1,480 EJ	3,850 E	NA	8,600 E	3,120 EJ	NA	1,230 EJ	NA							3.6 BJ
Mercury	0.7	0.055 U	0.055 U	0.055 UJ	0.075 B	0.055 UJ	0.083 B	0.192 B	0.055 UJ	0.055 U	0.42	0.055 UJ	0.073 B	0.055 UJ							0.055 UJ
Nickel	100	5.6 BE	54.7 E	NA	9.1 BE	NA	9.9 BEJ	81 E	NA	2.2 BE	40.9 EJ	NA	20.3 BEJ	NA							1.3 BJ
Potassium	-	7,450 B	16,200 B	NA	25,600 B	NA	26,000 B	14,800 B	NA	6,690 B	7,500	NA	15,800 B	NA							55.5 BJ
Selenium	10	5.2 B	6.1 B	5.1 B	2.8 U	5.2 B	2.8 U	6.2 B	4.1 U	5.4 B	2.8 U	4.1 U	2.8 U	5.3 B							3.2 BJ
Silver	50	0.7 U	0.7 U	0.6 U	0.7 U	0.6 U	0.7 U	0.7 U	0.6 U	0.7 U	0.7 U	0.600 U	0.7 U	0.6 U							0.71 BJ
Sodium	20,000	121,000 *	265,000 *	NA	636,000 *	NA	646,000 *	169,000 *	NA	240,000 *	75,900 *	NA	225,000 *	NA							524 BJ
Thallium	0.5	3.8 U	4.6 B	NA	3.8 U	NA	3.8 U	8.8 B	NA	3.8 U	7.2 B	NA	3.8 U	NA							3.8 UJ
Vanadium	-	0.93 BE	8.5 BE	NA	6 BE	NA	6.9 BEJ	59.2 E	NA	0.8 EU	36.8 BEJ	NA	12.1 BEJ	NA							0.8 UJ
Zinc	2,000	24.3 E	79.3 E	NA	37.5 E	NA	42.1 EJ	298 E	NA	6.4 BE	627 EJ	NA	45.9 EJ	NA							6.8 BJ

Notes:
1. Regulatory values are derived from NYS Ambient Water Quality Standards TOGS 1.1.1 (Source of Drinking Water, groundwater).
2. Guidance value was used when standard was not available.
3. (-) = No regulatory value is associated with this compound.
4. Shaded values represent exceedances of the regulatory value.
5. Regulatory value for PCBs in water applies to the sum of all detected PCBs
6. ug/L = micrograms per Liter (equivalent to parts per billion (ppb)).
7. mg/L = milligrams per Liter (equivalent to parts per million (ppm)).
8. NA = compound was not analyzed.
9. Only compounds with one or more detections are shown.
10. Definitions of data qualifiers are presented in Table 13.

Table 10
Former Flintkote Site SIR
Summary of Detected Compounds in Eighteen Mile Creek Surface Water/Sediment Samples
and
Building D Water Sample

PARAMETER	REGULATORY VALUE	FS-EMC01-SED-0	REGULATORY VALUE	FS-EMC01-SW-0	FS-BLDG D-SW-0
Semi-Volatile Organic Compounds (ug/Kg)			**ug/L**		
2-Methylnaphthalene	-	32,000.00 J		10.00 U	10.00 U
Acenaphthene	140,000.00	140,000.00		10.00 U	10.00 U
Acenaphthylene		3,100.00 J		10.00 U	10.00 U
Anthracene	-	190,000.00		10.00 U	10.00 U
Benzo(a)anthracene	1,300 *	480,000.00		10.00 U	10.00 U
Benzo(a)pyrene	1,300 *	98,000.00		10.00 U	10.00 U
Benzo(b)fluoranthene	1,300 *	390,000.00		10.00 U	10.00 U
Benzo(ghi)perylene	-	4,600.00 J		10.00 U	10.00 U
Benzo(k)fluoranthene	1,300 *	260,000.00		10.00 U	10.00 U
Carbazole	-	160,000.00		10.00 U	10.00 U
Chrysene	1,300 *	450,000.00		10.00 U	10.00 U
Dibenzo(a,h)anthracene	-	100,000.00		10.00 U	10.00 U
Dibenzofuran	-	140,000.00		10.00 U	10.00 U
Fluoranthene	1,020,000.00	1,500,000.00 E		10.00 U	10.00 U
Fluorene	-	160,000.00		10.00 U	10.00 U
Indeno(1,2,3-cd)pyrene	1,300 *	100,000.00		10.00 U	10.00 U
Naphthalene	-	120,000.00		10.00 U	10.00 U
Phenanthrene	120,000.00	1,900,000.00 E		10.00 U	10.00 U
Pyrene	-	430,000.00		10.00 U	10.00 U
Pesticides / PCBs (ug/Kg)			**ug/L**		
4,4'-DDT	1,000.00	310.00 U	0.2	0.10 U	0.09 JP
Aroclor 1248		6,100.00 U	0.09	1.00 U	0.60 J
Dieldrin	9,000.00	310.00 U	0.004	0.10 U	0.10 J
Endrin	4,000.00	440.00 J		0.10 U	0.20 U
Endrin ketone	-	1,600.00 P		0.10 U	0.20 U
TAL - Metals (mg/Kg)			**ug/L**		
Aluminum	-	7,620.00 E	-	245.00	137.00 B
Antimony	2.00	2.10 BNJ	3	4.10 U	4.10 U
Arsenic	6.00	5.00	50	3.30 U	3.30 U
Barium	-	81.70 E	1,000	27.90 B	46.20 B
Beryllium	-	0.41 B	3	0.10 U	0.23 B
Cadmium	0.60	0.06 NUJ	5	0.30 U	1.00 B
Calcium	-	29,300.00 E	-	45,000.00	136,000.00
Chromium	26.00	17.70 E	50	0.90 U	3.90 B
Cobalt	-	6.90 BE	5	0.91 B	0.96 B
Copper	16.00	134.00 EN*J	200	1.90 B	51.50
Iron	20,000.00	17,100.00 E	300	287.00	419.00
Lead	31.00	199.00 N*	50	3.50	5.80
Magnesium	-	7,050.00 E	35,000	10,100.00	26,900.00
Manganese	460.00	335.00 E	300	19.00	155.00
Mercury	0.15	0.46	0.7	0.06 U	0.10 B
Nickel	16.00	19.10 E	100	2.50 B	8.20 B
Potassium	-	1,260.00	-	1,990.00 B	14,400.00
Selenium	-	1.50 B	10	2.80 U	2.80 U
Silver	1.00	0.39 B	50	0.70 U	0.70 U
Sodium	-	79.90 B	-	16,600.00	98,800.00
Thallium	-	3.30	0.5	3.80 U	3.80 U
Vanadium	-	14.50 E	14	0.99 B	0.80 U
Zinc	120.00	359.00 E	2,000	3.90 B	268.00

Notes:
1. Regulatory values for the sediment sample are derived from Technical Guidance for Screening Contaminated Sediments, Sediment criteria for chronic toxicity to benthic aqutic life (organics) or lowest effect level (inorganics).
2. Regulatory values for surface water are derived from NYS Ambient Water Quality Standards TOGS 1.1.1 (Source of Drinking Water, surface water).
3. Guidance value was used when standard was not available.
4. (-) = No regulatory value is associated with this compound.
5. Shaded values represent exceedances of the regulatory value.
6. Regulatory value for PCBs in water applies to the sum of all detected PCBs
7. ug/L = micrograms per Liter (equivalent to parts per billion (ppb)).
8. mg/L = milligrams per Liter (equivalent to parts per million (ppm)).
9. ug/Kg = micrograms per Kilogram (equivalent to parts per billion (ppb)).
10. mg/Kg = milligrams per Kilogram (equivalent to parts per million (ppm)).
11. NA = compound was not analyzed.
12. Only compounds with one or more detections are shown.
13. Definitions of data qualifiers are presented in Table 13.

Table 11
Former Flintkote Site SIR
Summary of Detected PCB Compounds in Concrete Surface Samples
and
Soil Above Concrete

PARAMETER	REGULATORY VALUE	Concrete Floor Samples		REGULATORY VALUE	Sediment Sample Above SS03-CC
		FS-SS01-CC-0	FS-SS03-CC-0		FS-SS02-SED-0
PCBs (ug/Kg)					
Aroclor 1242	5,000	9.20 J	92.00 J	1,000	240.00 J
Aroclor 1254	5,000	82.00 U	170.00 U	1,000	160.00 J
Aroclor 1260	5,000	16.00 J	74.00 J	1,000	110.00 J

Notes:
1. Regulatory value source for concrete is Toxic Substance Control Act (TSCA) 40 CFR 761.125
2. Regulatory value source for sediment sample is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-92-4046).
3. ug/Kg = micrograms per Kilogram (equivalent to parts per billion (ppb)).
4. Only compounds with one or more detections are shown.
5. Definitions of data qualifiers are presented in Table 13.

Table 12
Former Flintkote Site SIR
Summary of Detected Compounds in Building Component Samples

PARAMETER	TAGM REC. SOIL CLEANUP OBJECTIVE	SITE BACKGROUND VALUE	REGULATORY VALUE	Building Sediments			Felt Sample
				FS-BLDGC-SED-0	FS-BLDGD-SED-0	FS-BLDGE-SED-0	FS-BLDGD-FELT-0
Semi-Volatile Organic Compounds (ug/Kg)							
Anthracene	50,000	-	50,000	330.00 J	29,000.00 UJ	9,900.00 U	28,000.00 U
Benzo(a)anthracene	224	-	224	950.00 J	3,500.00 J	1,000.00 J	28,000.00 UJ
Benzo(a)pyrene	61	-	61	8,000.00 U	4,800.00 J	270.00 J	28,000.00 UJ
Benzo(b)fluoranthene	1,100	-	1,100	720.00 J	3,600.00 J	750.00 J	28,000.00 UJ
Benzo(k)fluoranthene	1,100	-	1,100	780.00 J	3,800.00 J	840.00 J	28,000.00 UJ
Bis(2-ethylhexyl) phthalate	50,000	-	50,000	8,000.00 U	120,000.00 BJ	52,000.00 BJ	41,000.00 BJ
Butyl benzyl phthalate	50,000	-	50,000	8,000.00 U	1,600.00 J	810.00 J	28,000.00 UJ
Carbazole	-	-	-	8,000.00 U	1,000.00 J	9,900.00 U	28,000.00 U
Chrysene	400	-	400	860.00 J	4,500.00 J	1,100.00 J	28,000.00 UJ
Dibenzo(a,h)anthracene	14	-	14	8,000.00 U	850.00 J	9,900.00 U	28,000.00 UJ
Diethyl phthalate	7,100	-	7,100	8,000.00 U	29,000.00 UJ	2,400.00 J	28,000.00 U
Dimethyl phthalate	2,000	-	2,000	8,000.00 U	29,000.00 UJ	3,000.00 J	28,000.00 U
Di-n-butyl phthalate	8,100	-	8,100	8,000.00 U	3,700.00 BJ	41,000.00 BJ	14,000.00 BJ
Di-n-octyl phthalate	50,000	-	50,000	8,000.00 U	29,000.00 UJ	4,200.00 J	28,000.00 UJ
Fluoranthene	50,000	-	50,000	2,200.00 J	7,000.00 J	2,200.00 J	4,400.00 J
Indeno(1,2,3-cd)pyrene	3,200	-	3,200	8,000.00 U	2,800.00 J	9,900.00 U	28,000.00 U
Pentachlorophenol	1,000	-	1,000	19,000.00 U	70,000.00 UJ	24,000.00 U	250,000.00
Phenanthrene	50,000	-	50,000	1,600.00 J	3,900.00 J	1,400.00 J	8,700.00 J
Pyrene	50,000	-	50,000	800.00 J	19,000.00 J	890.00 J	5,800.00 J
Total SVOCs	**500,000**	-	**500,000**	**8,240.00**	**180,050.00**	**111,860.00**	**323,900.00**
Pesticides / PCBs (ug/Kg)							
4,4'-DDT	2,100	-	2,100	250.00 U	1,500.00 UJ	49.00 U	1,600.00
Aroclor 1242	1,000	-	1,000	400.00 U	44,000.00 J	510.00 PJ	6,300.00
Aroclor 1254	1,000	-	1,000	4,400.00 J	15,000.00 UJ	460.00 JP	2,000.00 U
Aroclor 1260	1,000	-	1,000	2,900.00 J	64,000.00 PJ	490.00 U	2,000.00 U
Dieldrin	44	-	44	200.00 U	5,000.00 UJ	49.00 U	1,400.00 NJ
Total Pesticides	**10,000**	-		**0.00**	**0.00**	**0.00**	**3,000.00**
TAL - Metals (mg/Kg)							
Aluminum	SB	11,670	11,670	12,200.00 E	9,350.00 EJ	18,700.00 E	906.00 E
Antimony	SB	2	2	279.00 NJ	27.80 NJ	13.90 NJ	33.10 NJ
Arsenic	7.5 or SB	6	7.5	45.50	55.50 J	30.20	3.20
Barium	300 or SB	86	300	248.00 E	357.00 EJ	262.00 E	92.20 E
Beryllium	0.16 or SB	0.52	0.52	0.28 B	0.71 BJ	0.59 B	0.04 B
Cadmium	1 or SB	ND	1	4.10 NJ	23.00 NJ	19.90 NJ	2.90 NJ
Calcium	SB	4,305	4,305	33,600.00 E	25,400.00 EJ	6,200.00 E	6,550.00 E
Chromium	10 or SB	14	14	174.00 E	180.00 EJ	93.70 E	27.00 E
Cobalt	30 or SB	8	30	17.00 E	23.90 EJ	17.60 E	0.96 BE
Copper	25 or SB	18	25	53,400.00 EN*J	3,150.00 EN*J	3,500.00 EN*J	78.00 EN*J
Cyanide	-	ND	-	1.60	2.20 J	1.50 U	3.10
Iron	2,000 or SB	17,300	17,300	176,000.00 E	95,500.00 EJ	41,600.00 E	3,050.00 E
Lead	SB	53	53	13,600.00 N*	695.00 N*J	484.00 N*	586.00 N*
Magnesium	SB	3,360	3,360	4,680.00 E	7,440.00 EJ	2,400.00 E	1,090.00 E
Manganese	SB	535	535	1,430.00 E	2,020.00 EJ	567.00 E	57.80 E
Mercury	0.1	0.048	0.1	2.90	8.10 J	1.50	1.30
Nickel	13 or SB	18	18	140.00 E	158.00 EJ	288.00 E	7.20 E
Potassium	SB	1,260	1,260	428.00 B	1,040.00 BJ	587.00 B	578.00
Selenium	2 or SB	1.45	2	18.50	10.20 BJ	15.40	0.68 B
Silver	SB	0.19	0.19	15.60	3.20 BJ	3.70	1.30
Sodium	SB	67	67	529.00 B	1,130.00 BJ	1,750.00	583.00
Thallium	SB	2.6	2.6	29.10	18.50 J	34.40	0.56 B
Vanadium	150 or SB	22	150	16.30 E	23.70 EJ	13.10 E	4.00 BE
Zinc	20 or SB	255	255	8,590.00 E	5,760.00 EJ	45,100.00 E	316.00 E

Notes:
1. Regulatory value source is NYSDEC Technical and Administrative Guidance Memorandum (TAGM): Determination of Soil Cleanup Objectives and Cleanup Levels (HWR-92-4046).
2. Site background values for inorganic analytes were determined by averaging the results from the two background samples (SS11 and SS12).
3. The regulatory values for inorganic analytes were determined by using the higher of the TAGM or average site background value.
4. Shaded values represent exceedances of the regulatory value.
5. (-) = No regulatory value is associated with this compound.
6. ug/Kg = micrograms per Kilogram (equivalent to parts per billion (ppb)).
7. mg/Kg = milligrams per Kilogram (equivalent to parts per million (ppm)).
8. NA = compound was not analyzed.
9. Only compounds with one or more detections are shown.
10. A site specific form of Cyanide must be determined before a cleanup objective is established.
11. Total SVOCs/Pesticides are equal to the sum of only the detected SVOCs/Pesticides.
12. Definitions of data qualifiers are presented in Table 13.

Table 13
Former Flintkote Site SIR
Definitions of Data Qualifiers

ORGANIC DATA QUALIFIERS

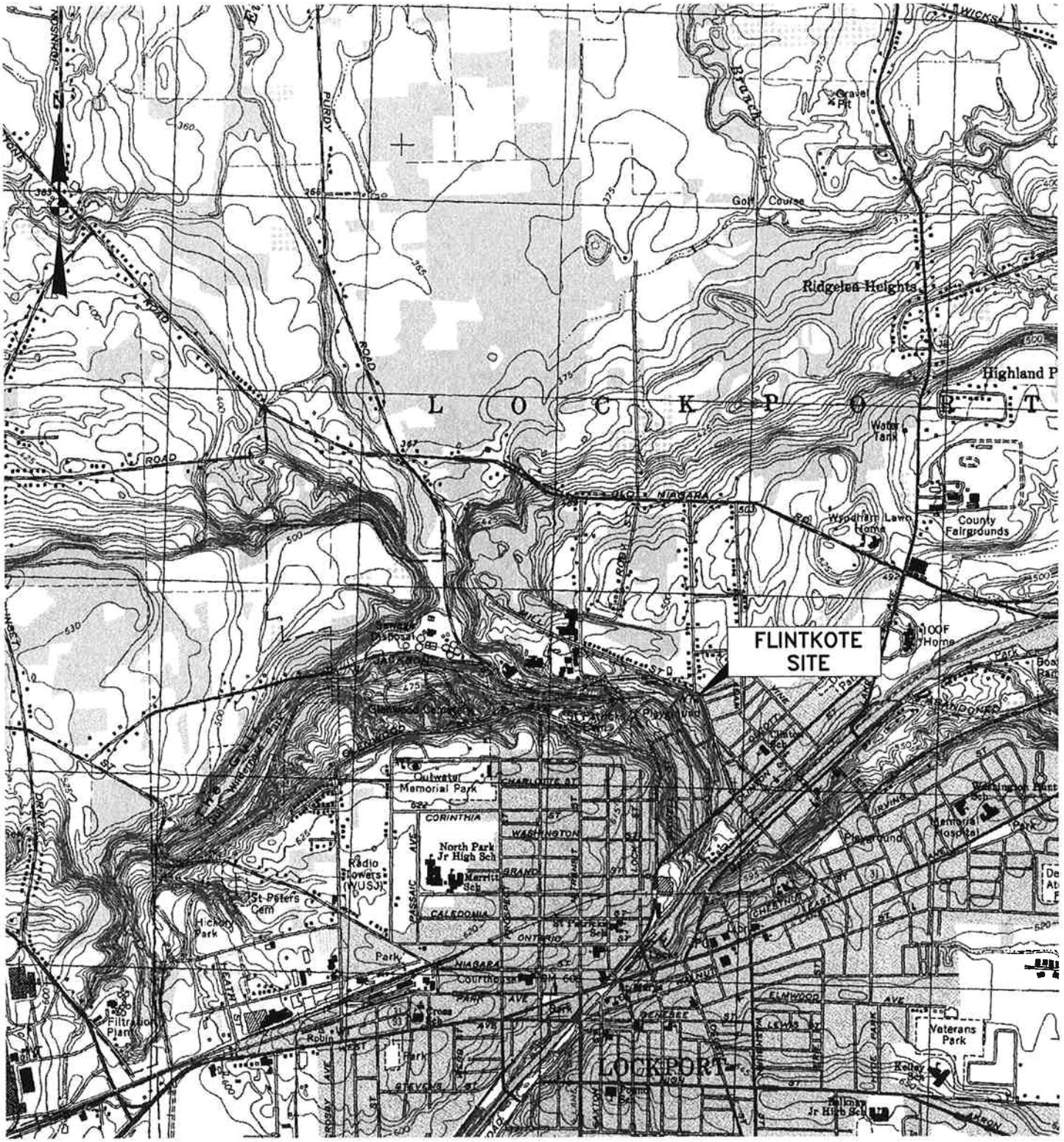
ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification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

Table 13
Former Flintkote Site SIR
Definitions of Data Qualifiers

INORGANIC DATA QUALIFIERS

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

FIGURES 1-11



SITE LOCATION MAP

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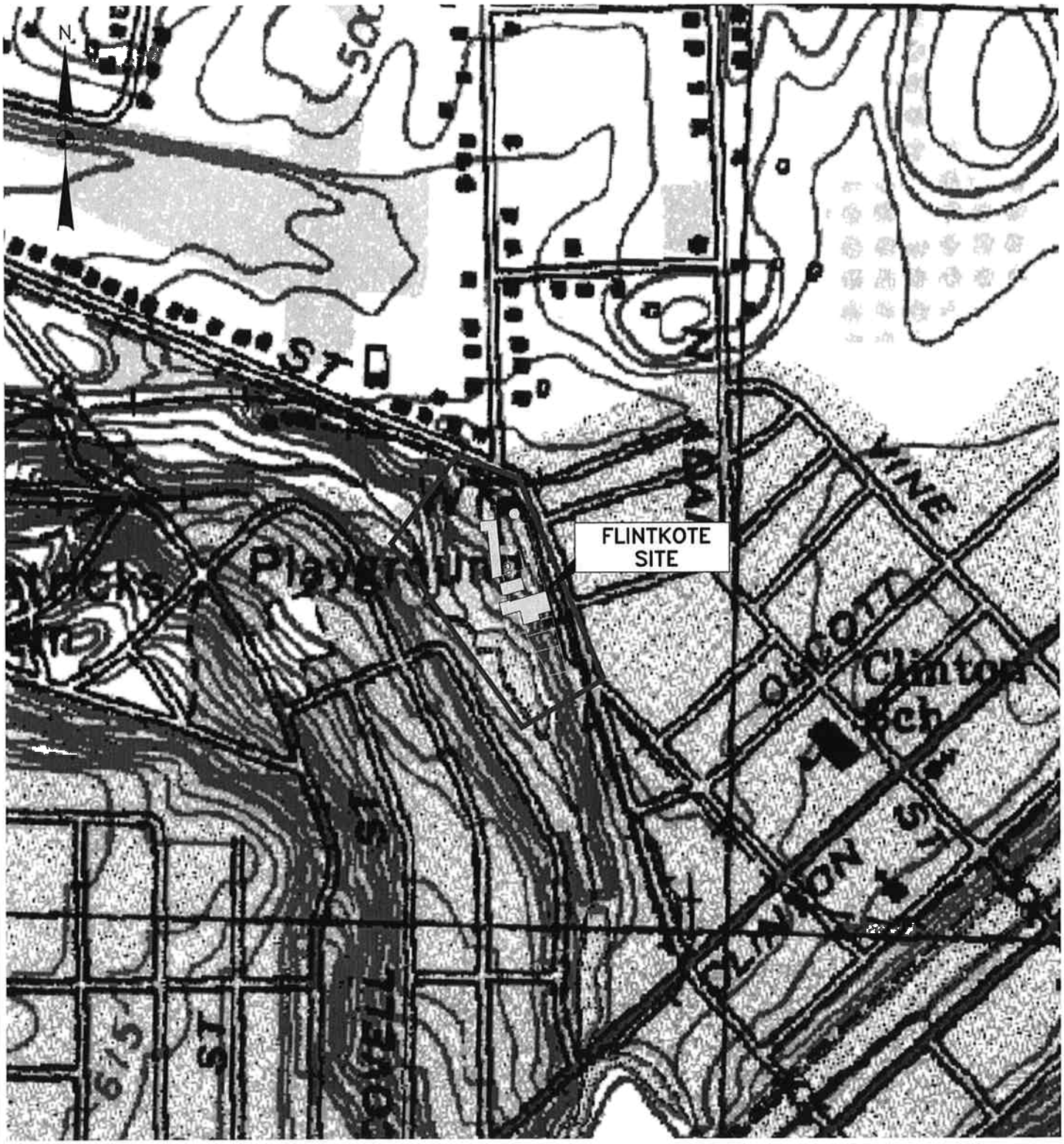
SITE INVESTIGATION/REMEDIAL
ALTERNATIVES REPORT
FORMER FLINTKOTE SITE
198 AND 300 MILL STREET, CITY OF LOCKPORT
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571	SCALE: 1" = 2000'	DATE: NOV 2003	FIGURE NO. 1

S:\ENGINEERING\0020571\FIGURE_1.DWG



VICINITY LOCATION MAP

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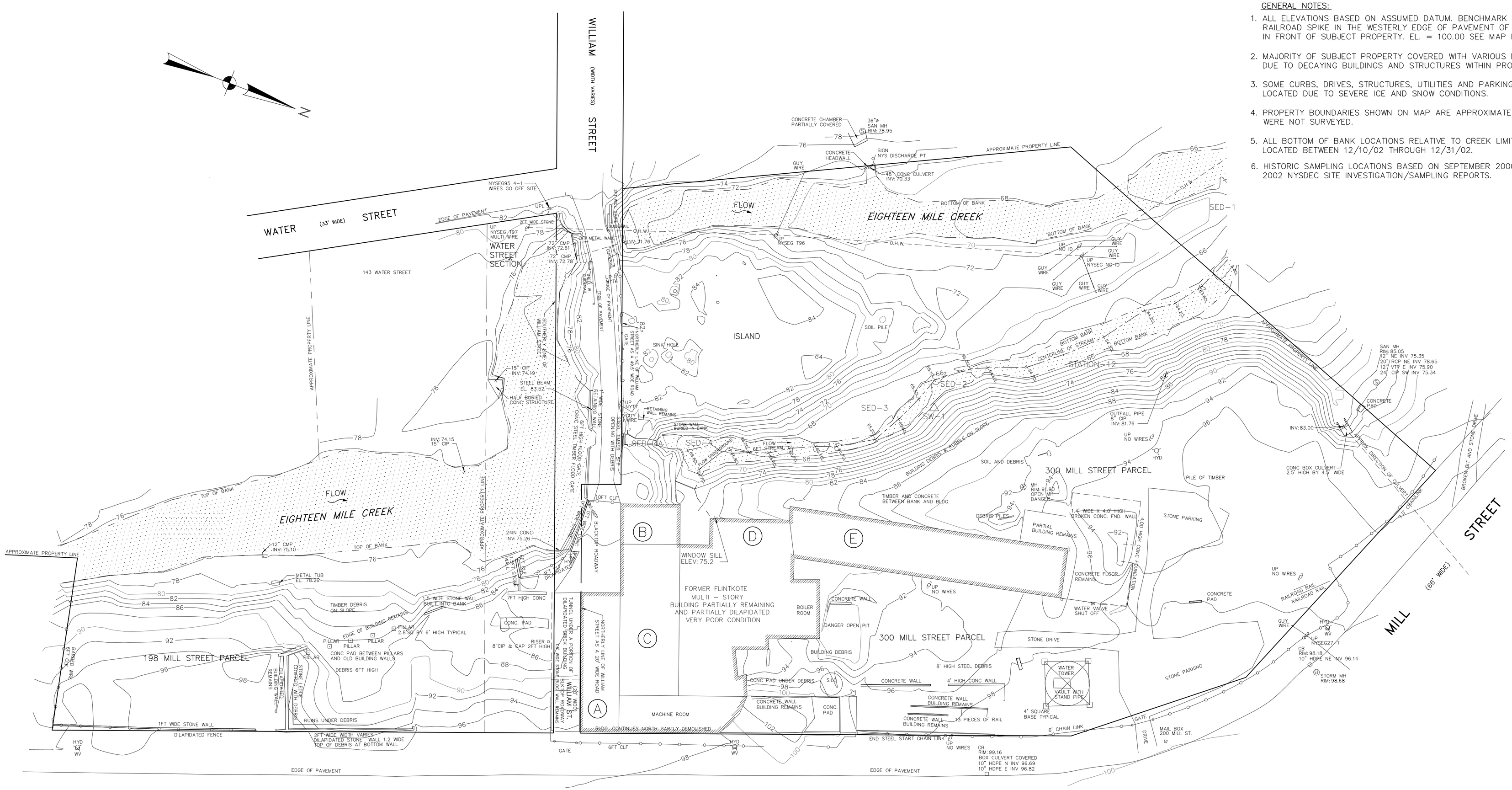
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571	SCALE: 1" = 500'	DATE: NOV 2003	FIGURE NO. 1A

S:\ENGINEERING\0020571\FIGURE_1A.DWG

GENERAL NOTES:

1. ALL ELEVATIONS BASED ON ASSUMED DATUM. BENCHMARK DESCRIPTION RAILROAD SPIKE IN THE WESTERLY EDGE OF PAVEMENT OF THE CURVE LOCATED IN FRONT OF SUBJECT PROPERTY. EL. = 100.00 SEE MAP FOR LOCATION.
2. MAJORITY OF SUBJECT PROPERTY COVERED WITH VARIOUS DEBRIS PILES DUE TO DECAYING BUILDINGS AND STRUCTURES WITHIN PROPERTY BOUNDS.
3. SOME CURBS, DRIVES, STRUCTURES, UTILITIES AND PARKING AREAS NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
4. PROPERTY BOUNDARIES SHOWN ON MAP ARE APPROXIMATE ONLY, AND WERE NOT SURVEYED.
5. ALL BOTTOM OF BANK LOCATIONS RELATIVE TO CREEK LIMITS WERE LOCATED BETWEEN 12/10/02 THROUGH 12/31/02.
6. HISTORIC SAMPLING LOCATIONS BASED ON SEPTEMBER 2000 AND JUNE 2002 NYSDEC SITE INVESTIGATION/SAMPLING REPORTS.



LEGEND

	UTILITY POLE	DR	– DRIVE
	EXISTING MICRO WELLS (4)	EP	– EDGE PAVEMENT
	HYDRANT	BB	– BOTTOM BANK
	WATER VALVE	CL	– CENTERLINE
ST	STORM MANHOLE	TB	– TOP BANK
	UTILITY POLE & LIGHT	TS	– TOP SLOPE
S	SANITARY MANHOLE	BS	– BOTTOM SLOPE
	UNKNOWN MANHOLE	CLF	– CHAIN LINK FENCE
	CATCH BASIN	CB	– CATCH BASIN
+ 64.8	SPOT ELEVATION	O.H.W.	– OVERHEAD WIRES

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

1 inch = 40 ft.

SITE PLAN

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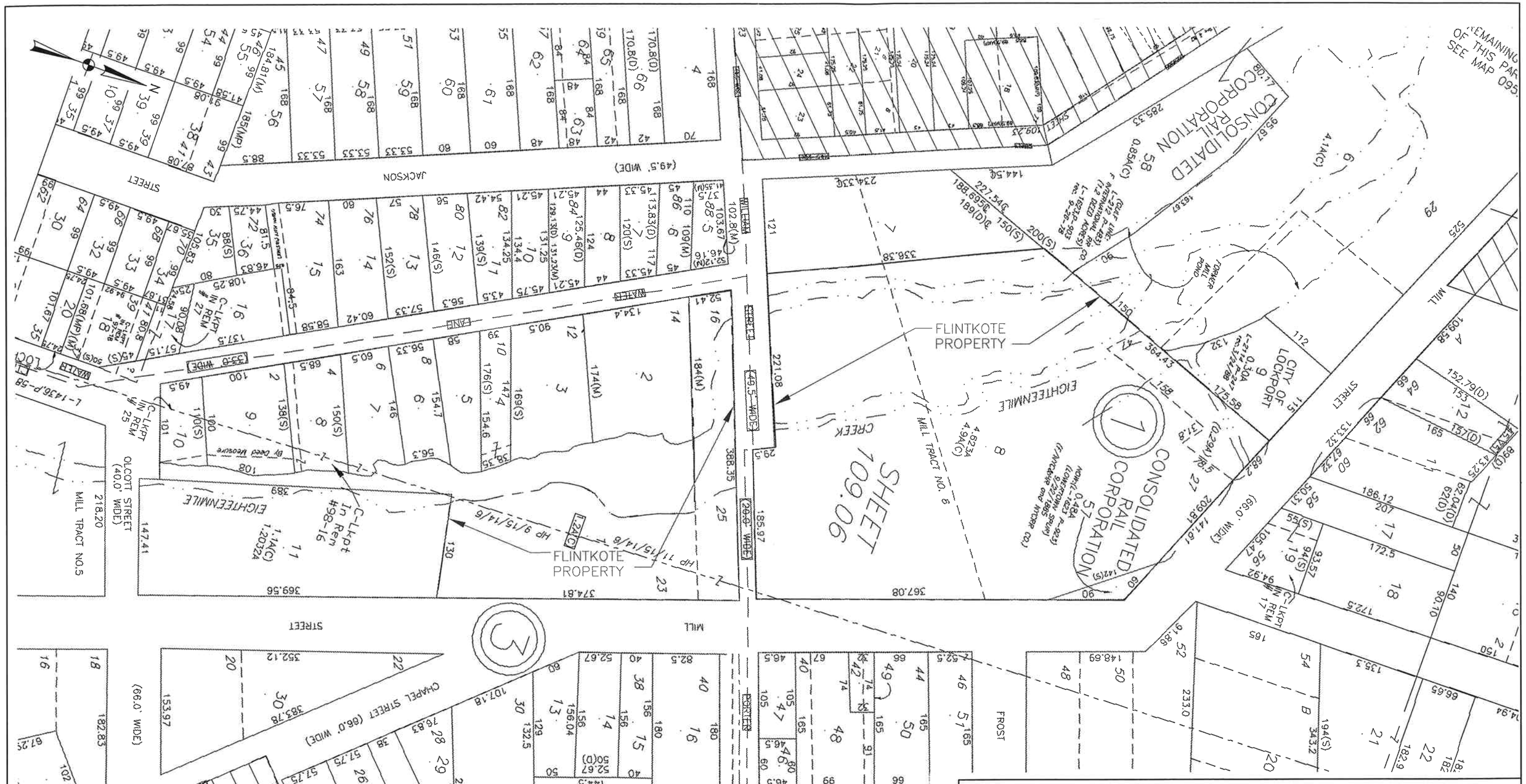
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571 | SCALE: 1" = 40' | DATE: APRIL 2004 | **FIGURE NO. 2**

S:\Engineering\0020571 - Flintkote\CAD\SITE PLANS\FIG-2.dwg 4/22/2004 2:31:46 PM EDT



TAX MAP PLAN

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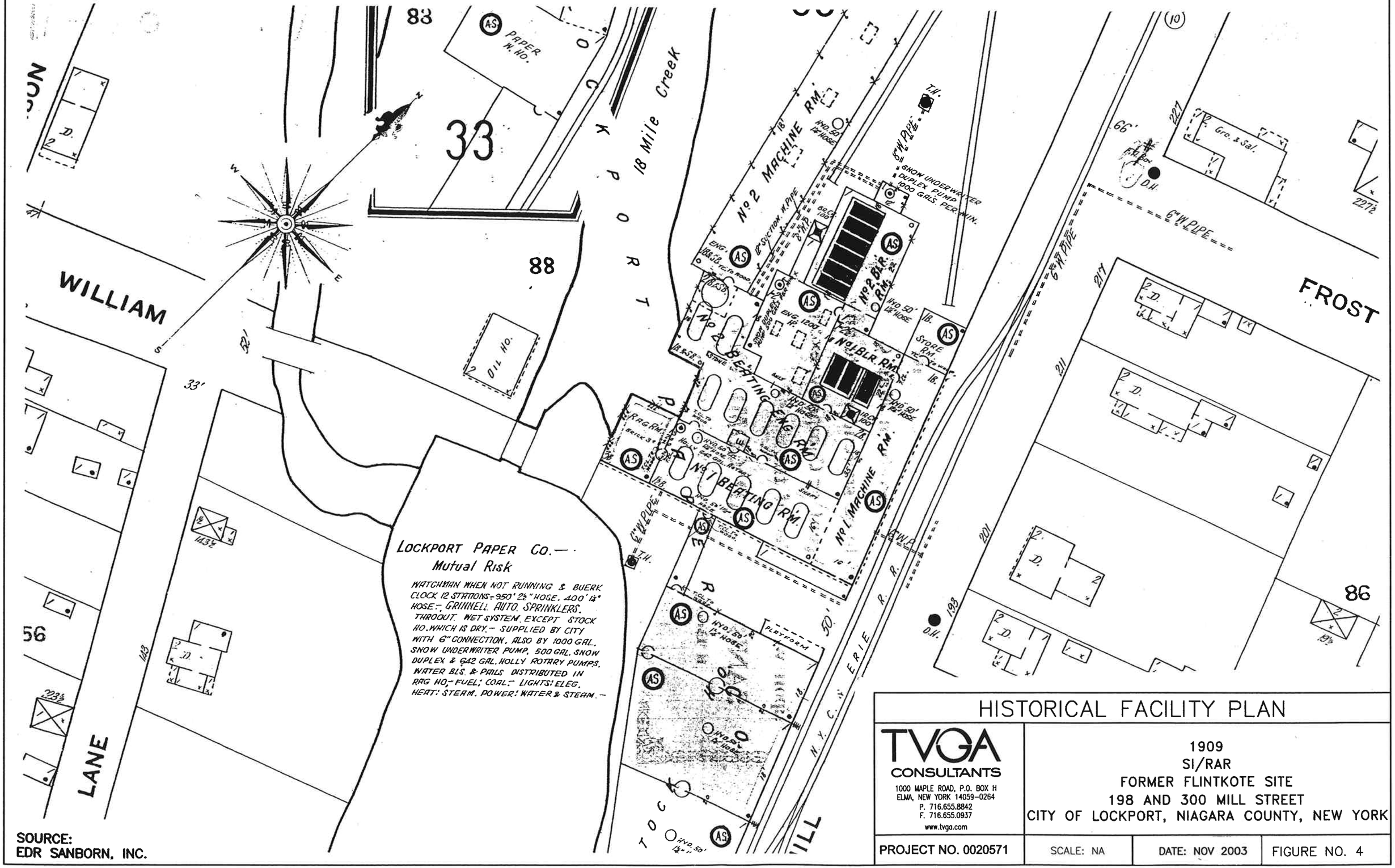
PROJECT NO. 0020571	SCALE: 1" = 120'	DATE: NOV 2003	FIGURE NO. 3



HISTORICAL FACILITY PLAN

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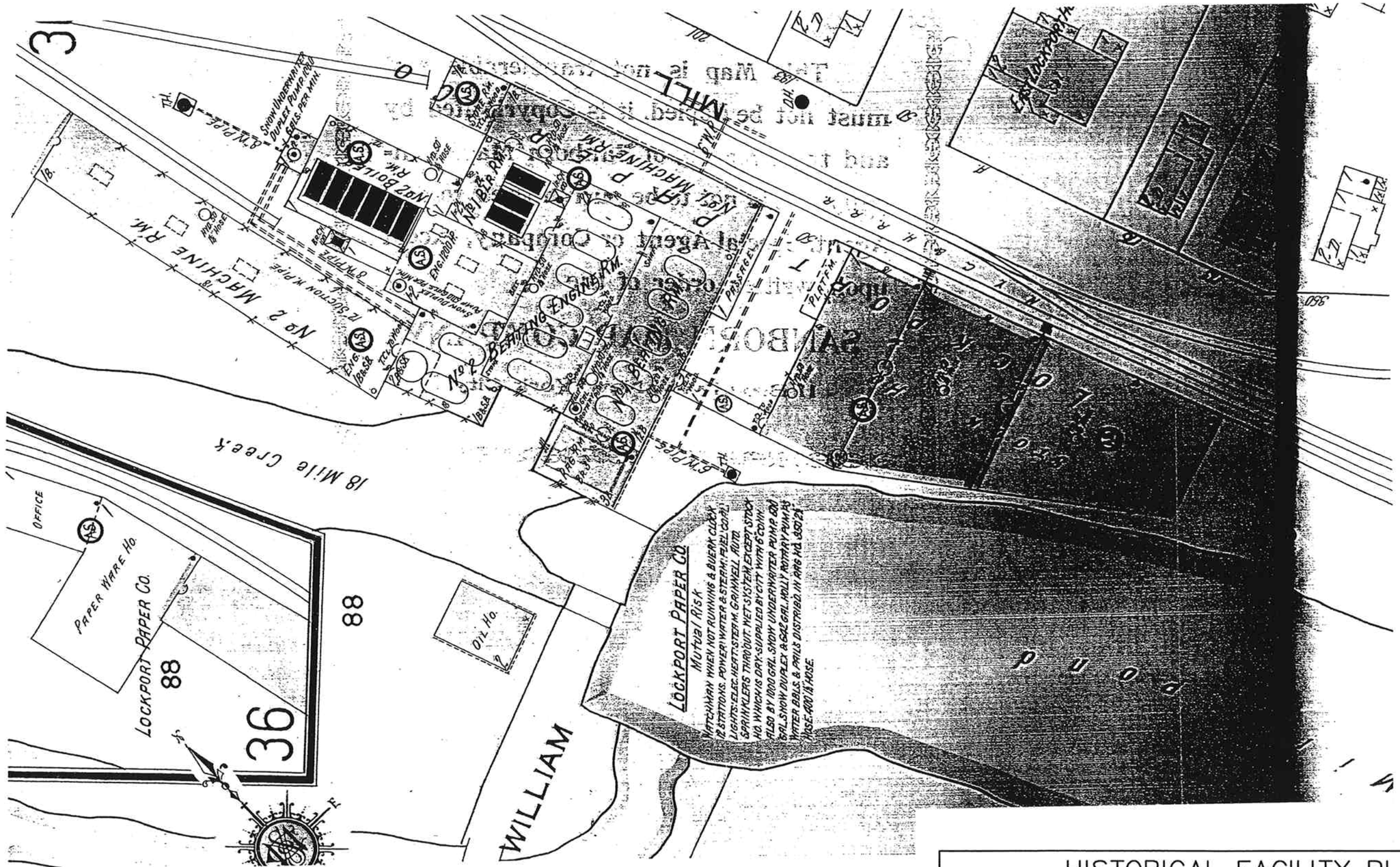
PROJECT NO. 0020571	SCALE: NA	DATE: NOV 2003	FIGURE NO. 4



SOURCE:
EDR SANBORN, INC.

HISTORICAL FACILITY PLAN

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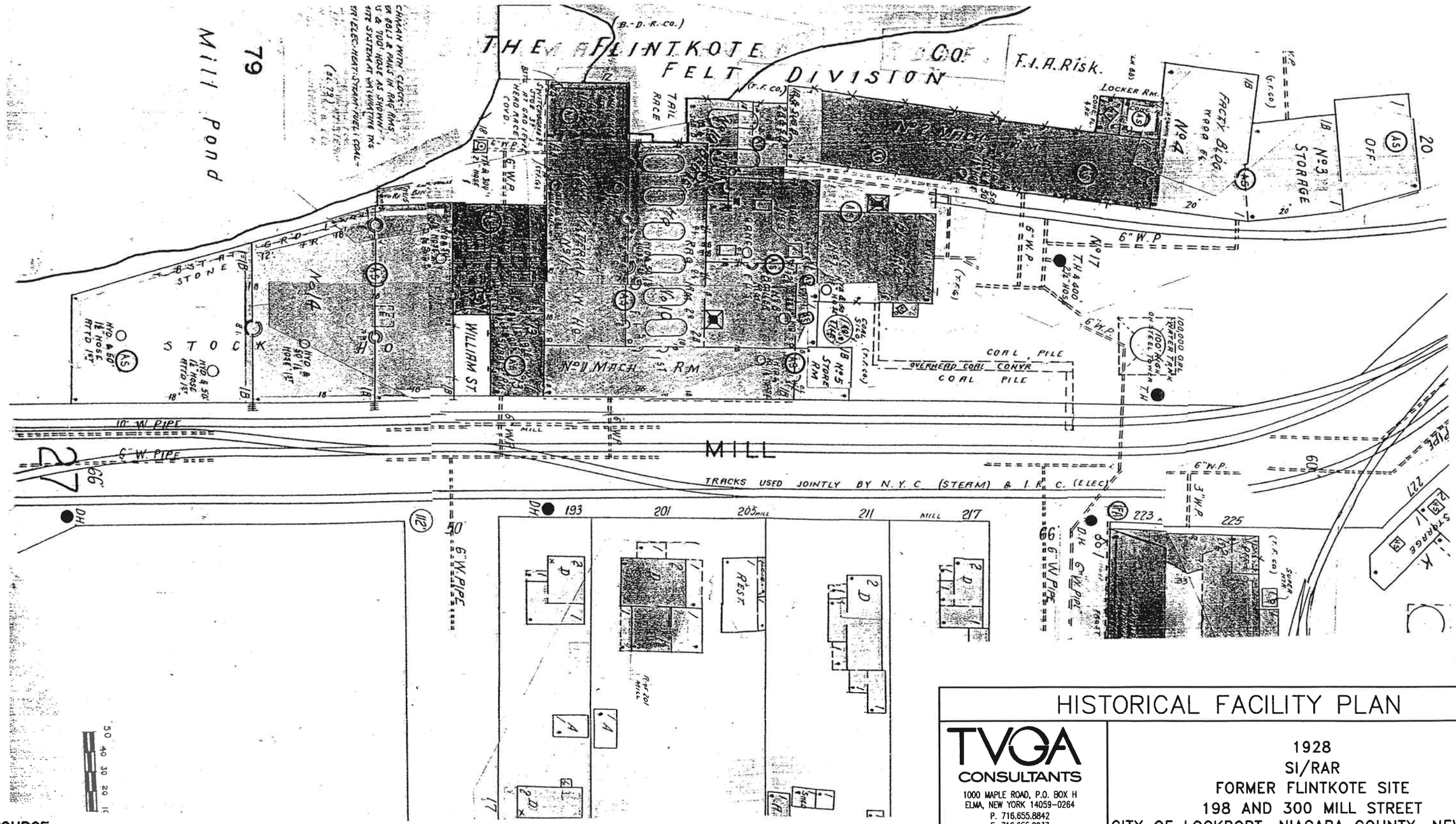
PROJECT NO. 0020571	SCALE: NA	DATE: NOV 2003	FIGURE NO. 5



SOURCE:
EDR SANBORN, INC.

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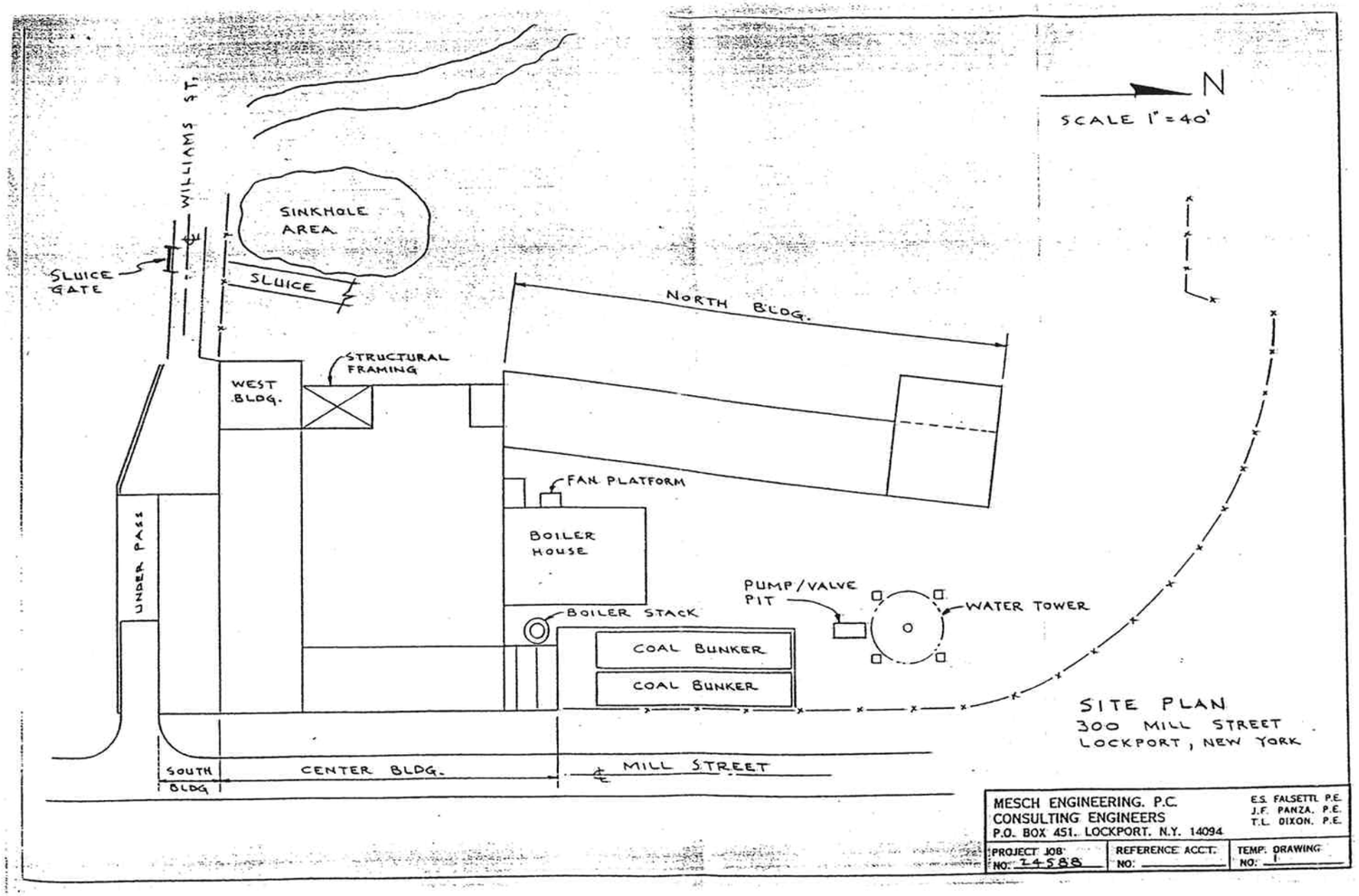
PROJECT NO. 0020571	SCALE: NA	DATE: NOV 2003	FIGURE NO. 6



SOURCE:
MESCH ENGINEERING, P.C.

HISTORICAL FACILITY PLAN

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1980'S
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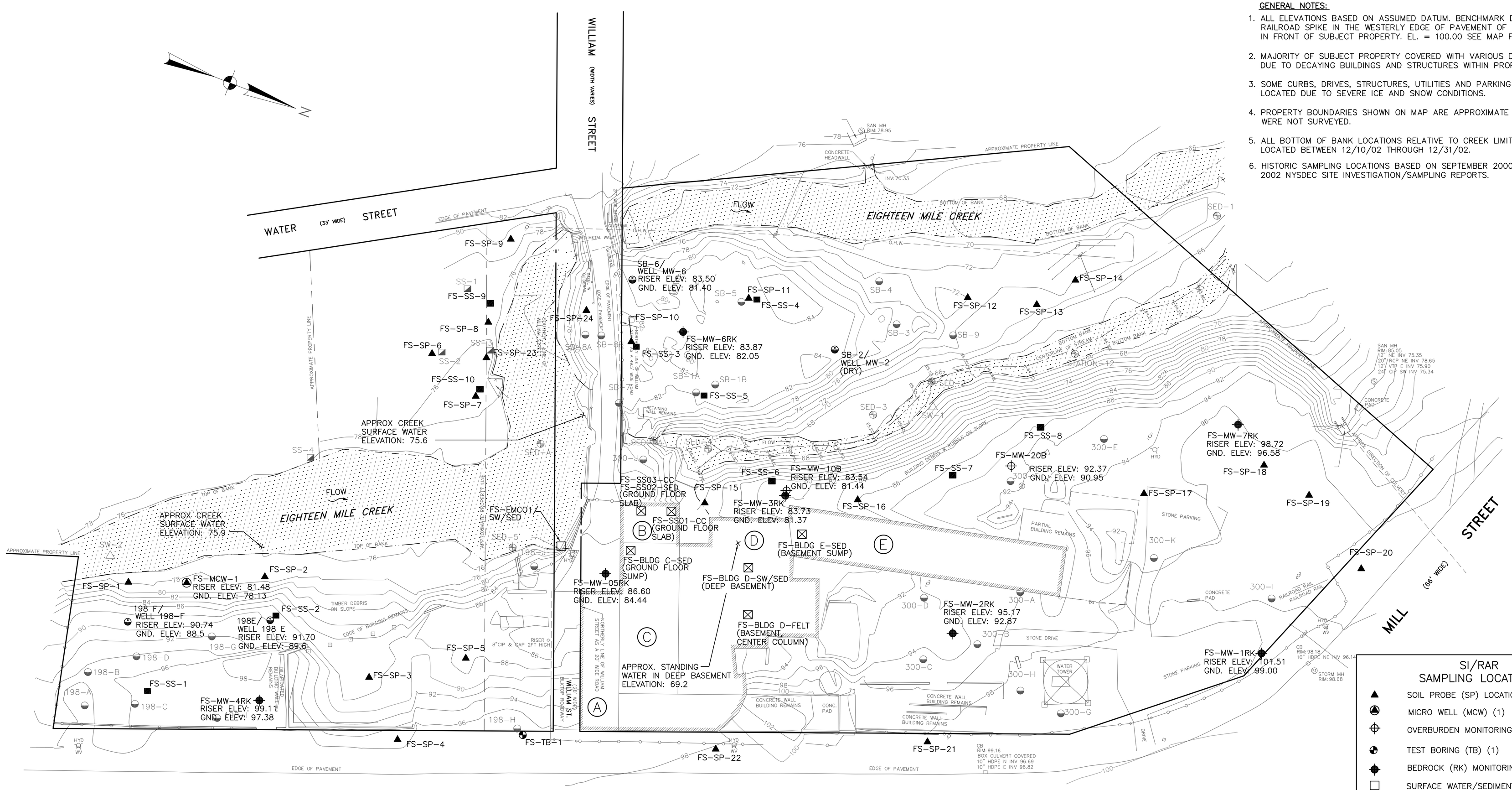
CITY OF LOCKPORT, NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571	SCALE: NA	DATE: NOV 2003	FIGURE NO. 7

GENERAL NOTES:

1. ALL ELEVATIONS BASED ON ASSUMED DATUM. BENCHMARK DESCRIPTION RAILROAD SPIKE IN THE WESTERLY EDGE OF PAVEMENT OF THE CURVE LOCATED IN FRONT OF SUBJECT PROPERTY. EL. = 100.00 SEE MAP FOR LOCATION.
2. MAJORITY OF SUBJECT PROPERTY COVERED WITH VARIOUS DEBRIS PILES DUE TO DECAYING BUILDINGS AND STRUCTURES WITHIN PROPERTY BOUNDS.
3. SOME CURBS, DRIVES, STRUCTURES, UTILITIES AND PARKING AREAS NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
4. PROPERTY BOUNDARIES SHOWN ON MAP ARE APPROXIMATE ONLY, AND WERE NOT SURVEYED.
5. ALL BOTTOM OF BANK LOCATIONS RELATIVE TO CREEK LIMITS WERE LOCATED BETWEEN 12/10/02 THROUGH 12/31/02.
6. HISTORIC SAMPLING LOCATIONS BASED ON SEPTEMBER 2000 AND JUNE 2002 NYSDEC SITE INVESTIGATION/SAMPLING REPORTS.



LEGEND

	UTILITY POLE	DR	DRIVE
	EXISTING MICRO WELLS (4)	EP	EDGE PAVEMENT
	HYDRANT	BB	BOTTOM BANK
	WATER VALVE	CL	CENTERLINE
	STORM MANHOLE	TB	TOP BANK
	UTILITY POLE & LIGHT	TS	TOP SLOPE
	SANITARY MANHOLE	BS	BOTTOM SLOPE
	UNKNOWN MANHOLE	CLF	CHAIN LINK FENCE
	CATCH BASIN	CB	CATCH BASIN
+64.8	SPOT ELEVATION	O.H.W.	OVERHEAD WIRES

SI/RAR SAMPLING LOCATIONS

- SOIL PROBE (SP) LOCATION (24)
- MICRO WELL (MCW) (1)
- OVERBURDEN MONITORING (OB) WELL (2)
- TEST BORING (TB) (1)
- BEDROCK (RK) MONITORING WELL (7)
- SURFACE WATER/SEDIMENT (SW/SED) (1)
- SURFACE SOIL (SS) LOCATION (10)
- BUILDING COMPONENT SAMPLE LOCATION (6)
- HISTORIC SOIL BORING LOCATION (32)
- HISTORIC SOIL BORING COMPLETED WITH MICRO – WELL (4)
- HISTORIC SEDIMENT LOCATION (7)
- HISTORIC SURFACE WATER LOCATION (2)
- HISTORIC 143 WATER STREEET SURFACE SOIL LOCATION (4)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

SAMPLE LOCATION PLAN

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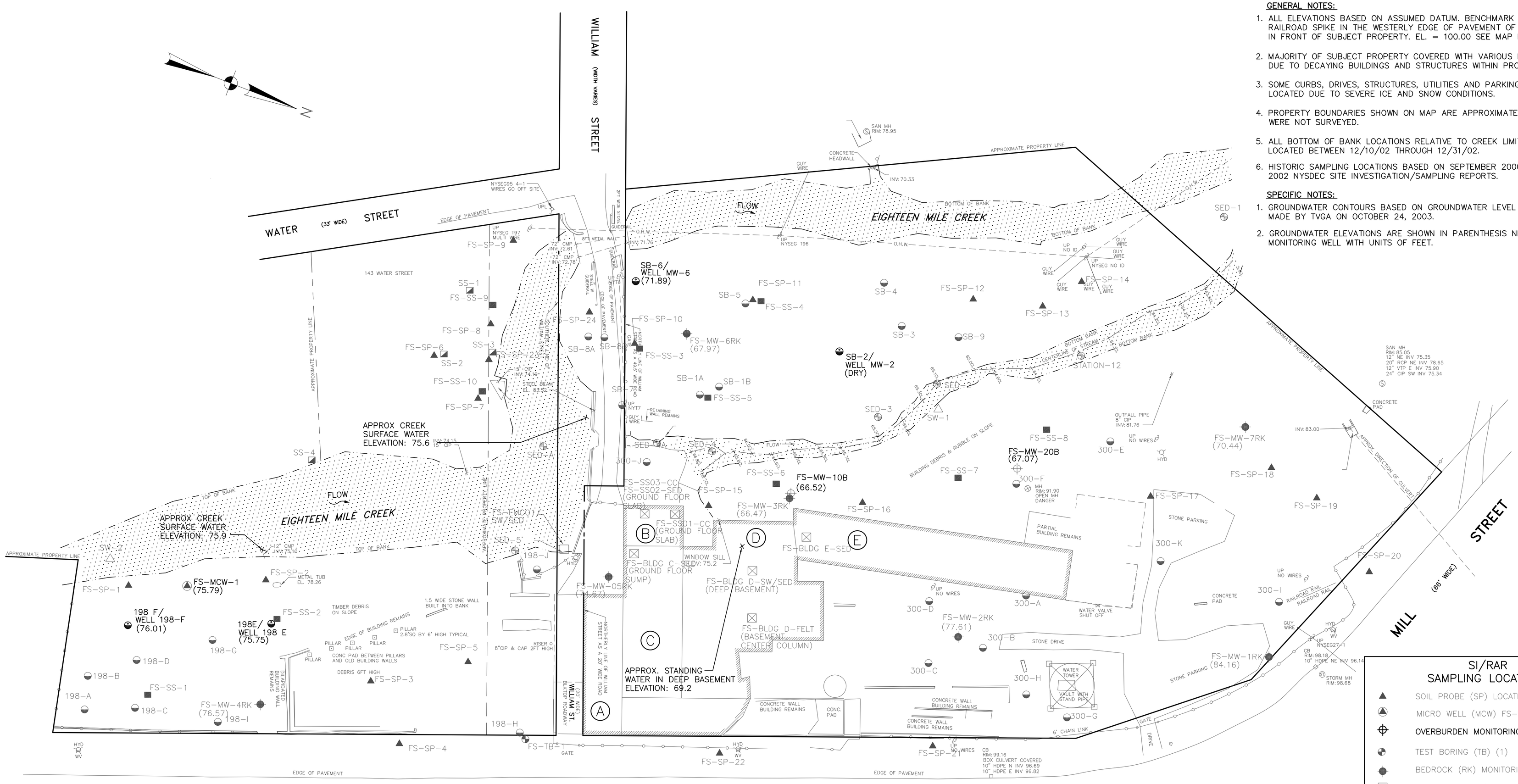
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571 | SCALE: 1" = 40' | DATE: APRIL 2004 | **FIGURE NO. 8**

S:\Engineering\0020571 - Flintkote\CADD\SITE PLANS\FIG-8.dwg 4/22/2004 2:25:40 PM EDT



GENERAL NOTES:

1. ALL ELEVATIONS BASED ON ASSUMED DATUM. BENCHMARK DESCRIPTION RAILROAD SPIKE IN THE WESTERLY EDGE OF PAVEMENT OF THE CURVE LOCATED IN FRONT OF SUBJECT PROPERTY. EL. = 100.00 SEE MAP FOR LOCATION.
2. MAJORITY OF SUBJECT PROPERTY COVERED WITH VARIOUS DEBRIS PILES DUE TO DECAYING BUILDINGS AND STRUCTURES WITHIN PROPERTY BOUNDS.
3. SOME CURBS, DRIVES, STRUCTURES, UTILITIES AND PARKING AREAS NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
4. PROPERTY BOUNDARIES SHOWN ON MAP ARE APPROXIMATE ONLY, AND WERE NOT SURVEYED.
5. ALL BOTTOM OF BANK LOCATIONS RELATIVE TO CREEK LIMITS WERE LOCATED BETWEEN 12/10/02 THROUGH 12/31/02.
6. HISTORIC SAMPLING LOCATIONS BASED ON SEPTEMBER 2000 AND JUNE 2002 NYSDEC SITE INVESTIGATION/SAMPLING REPORTS.

SPECIFIC NOTES:

1. GROUNDWATER CONTOURS BASED ON GROUNDWATER LEVEL MEASUREMENTS MADE BY TVGA ON OCTOBER 24, 2003.
2. GROUNDWATER ELEVATIONS ARE SHOWN IN PARENTHESIS NEXT TO EACH MONITORING WELL WITH UNITS OF FEET.

LEGEND

	UTILITY POLE	DR	DRIVE
	EXISTING MICRO WELLS (4)	EP	EDGE PAVEMENT
	HYDRANT	BB	BOTTOM BANK
	WATER VALVE	CL	CENTERLINE
ST	STORM MANHOLE	TB	TOP BANK
	UTILITY POLE & LIGHT	TS	TOP SLOPE
S	SANITARY MANHOLE	BS	BOTTOM SLOPE
	UNKNOWN MANHOLE	CLF	CHAIN LINK FENCE
	CATCH BASIN	CB	CATCH BASIN
+ 64.8	SPOT ELEVATION	O.H.W.	OVERHEAD WIRES

SI/RAR SAMPLING LOCATIONS

- SOIL PROBE (SP) LOCATION (24)
- MICRO WELL (MCW) FS-MCW-1 (1)
- OVERBURDEN MONITORING (OB) WELL (2)
- TEST BORING (TB) (1)
- BEDROCK (RK) MONITORING WELL (7)
- SURFACE WATER/SEDIMENT (SW/SED) (1)
- SURFACE SOIL (SS) LOCATION (10)
- BUILDING SAMPLE LOCATION (6)
- HISTORIC SOIL BORING LOCATION (32)
- HISTORIC SOIL BORING COMPLETED WITH MICRO – WELL (4)
- HISTORIC SEDIMENT LOCATION (7)
- HISTORIC SURFACE WATER LOCATION (2)
- HISTORIC 143 WATER STREEET SURFACE SOIL LOCATION (4)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

OVERBURDEN GROUNDWATER ELEV. PLAN

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SI/RAR
FORMER FLINTKOTE SITE
198 AND 300 MILL STREET
CITY OF LOCKPORT
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571 | SCALE: 1" = 40' | DATE: APRIL 2004 | **FIGURE NO. 9**

S:\Engineering\0020571 - Flintkote\CAD\SITE PLANS\FIG-9.dgn 4/22/2004 2:36:43 PM EDT

GENERAL NOTES:

1. ALL ELEVATIONS BASED ON ASSUMED DATUM. BENCHMARK DESCRIPTION RAILROAD SPIKE IN THE WESTERLY EDGE OF PAVEMENT OF THE CURVE LOCATED IN FRONT OF SUBJECT PROPERTY. EL. = 100.00 SEE MAP FOR LOCATION.
2. MAJORITY OF SUBJECT PROPERTY COVERED WITH VARIOUS DEBRIS PILES DUE TO DECAYING BUILDINGS AND STRUCTURES WITHIN PROPERTY BOUNDS.
3. SOME CURBS, DRIVES, STRUCTURES, UTILITIES AND PARKING AREAS NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
4. PROPERTY BOUNDARIES SHOWN ON MAP ARE APPROXIMATE ONLY, AND WERE NOT SURVEYED.
5. ALL BOTTOM OF BANK LOCATIONS RELATIVE TO CREEK LIMITS WERE LOCATED BETWEEN 12/10/02 THROUGH 12/31/02.
6. HISTORIC SAMPLING LOCATIONS BASED ON SEPTEMBER 2000 AND JUNE 2002 NYSDEC SITE INVESTIGATION/SAMPLING REPORTS.

SPECIFIC NOTES:

1. FILL THICKNESS ARE SHOWN IN PARENTHESES NEXT TO EACH EXPLORATION WITH UNITS OF FEET. A 2 FOOT CONTOUR INTERVAL HAS BEEN UTILIZED.

WILLIAM STREET (WIDTH VARIES)

WATER STREET (33' WIDE)

EIGHTEEN MILE CREEK

MILL STREET (66' WIDE)

LEGEND

- UTILITY POLE
- EXISTING MICRO WELLS (4)
- HYDRANT
- WATER VALVE
- STORM MANHOLE
- UTILITY POLE & LIGHT
- SANITARY MANHOLE
- UNKNOWN MANHOLE
- CATCH BASIN
- APPROXIMATE, FILL THICKNESS ISOPACH– (DASHED WHERE INFERRED)

DR – DRIVE
EP – EDGE PAVEMENT
BB – BOTTOM BANK
CL – CENTERLINE
TB – TOP BANK
TS – TOP SLOPE
BS – BOTTOM SLOPE
CLF – CHAIN LINK FENCE
CB – CATCH BASIN
O.H.W. – OVERHEAD WIRES

SI/RAR SAMPLING LOCATIONS

- SOIL PROBE (SP) LOCATION (24)
- MICRO WELL (MCW) FS–MCW–1 (1)
- OVERBURDEN MONITORING (OB) WELL (2)
- TEST BORING (TB) (1)
- BEDROCK (RK) MONITORING WELL (7)
- SURFACE WATER/SEDIMENT (SW/SED) (1)
- SURFACE SOIL (SS) LOCATION (10)
- BUILDING SAMPLE LOCATION (6)
- HISTORIC SOIL BORING LOCATION (32)
- HISTORIC SOIL BORING COMPLETED WITH MICRO – WELL (4)
- HISTORIC SEDIMENT LOCATION (7)
- HISTORIC SURFACE WATER LOCATION (2)
- HISTORIC 143 WATER STREEET SURFACE SOIL LOCATION (4)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

FILL MATERIAL ISOPACH PLAN

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SI/RAR
FORMER FLINTKOTE SITE
198 AND 300 MILL STREET
CITY OF LOCKPORT
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571 | SCALE: 1" = 40' | DATE: APRIL 2004 | **FIGURE NO. 10**

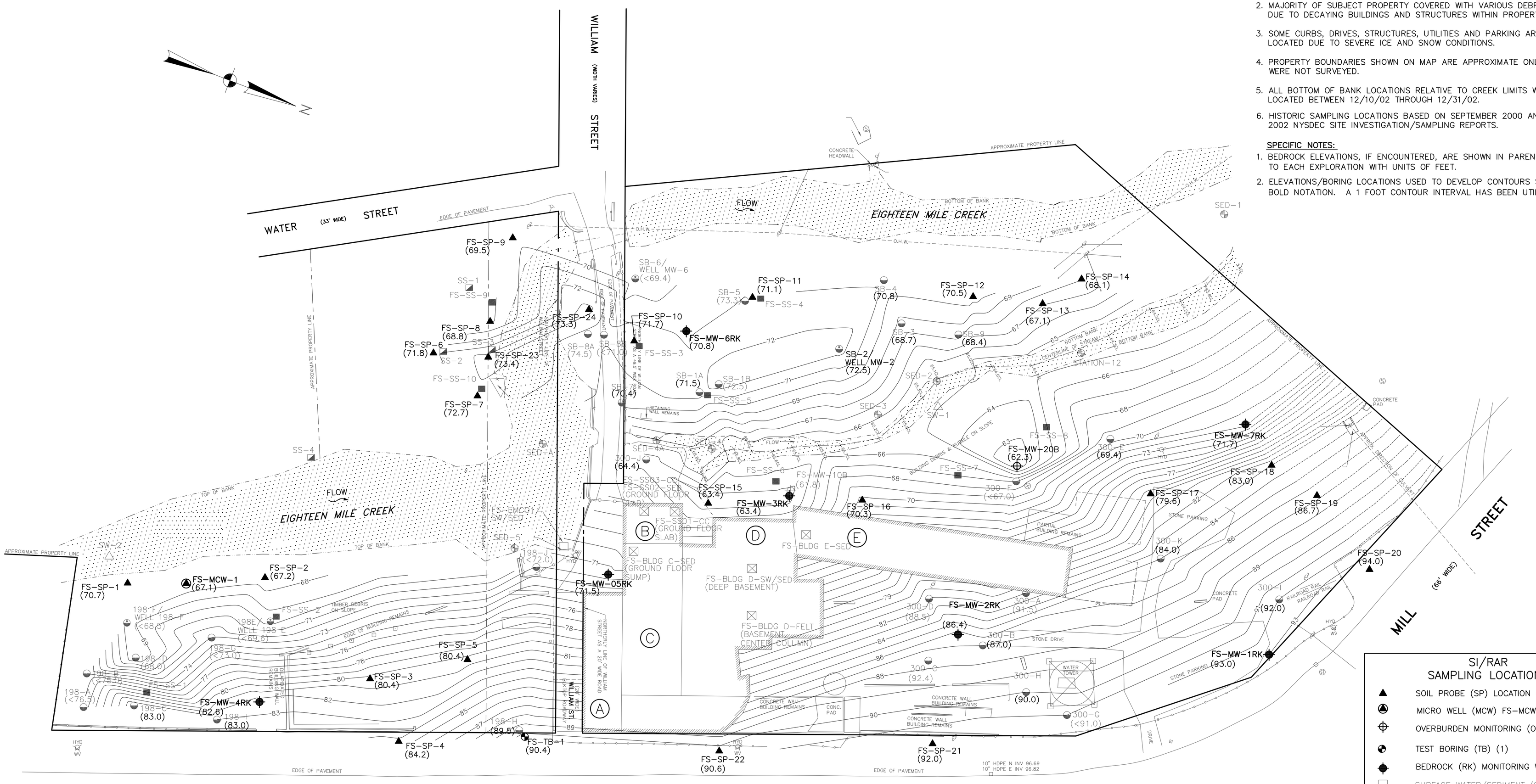
S:\Engineering\0020571 - Flintkote\CADD\SITE PLANS\FIG-11.dwg 4/22/2004 2:39:41 PM EDT

GENERAL NOTES:

1. ALL ELEVATIONS BASED ON ASSUMED DATUM. BENCHMARK DESCRIPTION RAILROAD SPIKE IN THE WESTERLY EDGE OF PAVEMENT OF THE CURVE LOCATED IN FRONT OF SUBJECT PROPERTY. EL. = 100.00 SEE MAP FOR LOCATION.
2. MAJORITY OF SUBJECT PROPERTY COVERED WITH VARIOUS DEBRIS PILES DUE TO DECAYING BUILDINGS AND STRUCTURES WITHIN PROPERTY BOUNDS.
3. SOME CURBS, DRIVES, STRUCTURES, UTILITIES AND PARKING AREAS NOT LOCATED DUE TO SEVERE ICE AND SNOW CONDITIONS.
4. PROPERTY BOUNDARIES SHOWN ON MAP ARE APPROXIMATE ONLY, AND WERE NOT SURVEYED.
5. ALL BOTTOM OF BANK LOCATIONS RELATIVE TO CREEK LIMITS WERE LOCATED BETWEEN 12/10/02 THROUGH 12/31/02.
6. HISTORIC SAMPLING LOCATIONS BASED ON SEPTEMBER 2000 AND JUNE 2002 NYSDEC SITE INVESTIGATION/SAMPLING REPORTS.

SPECIFIC NOTES:

1. BEDROCK ELEVATIONS, IF ENCOUNTERED, ARE SHOWN IN PARENTHESIS NEXT TO EACH EXPLORATION WITH UNITS OF FEET.
2. ELEVATIONS/BORING LOCATIONS USED TO DEVELOP CONTOURS SHOWN IN BOLD NOTATION. A 1 FOOT CONTOUR INTERVAL HAS BEEN UTILIZED.



LEGEND

	UTILITY POLE	DR	– DRIVE
	EXISTING MICRO WELLS (4)	EP	– EDGE PAVEMENT
	HYDRANT	BB	– BOTTOM BANK
	WATER VALVE	CL	– CENTERLINE
	STORM MANHOLE	TB	– TOP BANK
	UTILITY POLE & LIGHT	TS	– TOP SLOPE
	SANITARY MANHOLE	BS	– BOTTOM SLOPE
	UNKNOWN MANHOLE	CLF	– CHAIN LINK FENCE
	CATCH BASIN	CB	– CATCH BASIN
+ 64.8	SPOT ELEVATION	O.H.W.	– OVERHEAD WIRES
—90—	BEDROCK CONTOURS– (DASHED WHERE INFERRED)		

SI/RAR SAMPLING LOCATIONS

- SOIL PROBE (SP) LOCATION (24)
- MICRO WELL (MCW) FS–MCW–1 (1)
- OVERBURDEN MONITORING (OB) WELL (2)
- TEST BORING (TB) (1)
- BEDROCK (RK) MONITORING WELL (7)
- SURFACE WATER/SEDIMENT (SW/SED) (1)
- SURFACE SOIL (SS) LOCATION (10)
- BUILDING SAMPLE LOCATION (6)
- HISTORIC SOIL BORING LOCATION (32)
- HISTORIC SOIL BORING COMPLETED WITH MICRO – WELL (4)
- HISTORIC SEDIMENT LOCATION (7)
- HISTORIC SURFACE WATER LOCATION (2)
- HISTORIC 143 WATER STREEET SURFACE SOIL LOCATION (4)

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

TOP OF BEDROCK CONTOUR PLAN

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CITY OF LOCKPORT
NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571 | SCALE: 1" = 40' | DATE: APRIL 2004 | **FIGURE NO. 11**

S:\Engineering\0020571 - Flintkote\CADD\SITE PLANS\FIG-12.dwg 4/22/2004 3:00:52 PM EDT

APPENDIX A

SOIL PROBE LOGS

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. Micro-1

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 78.13
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-3-03
Finish Date 9-3-03
Driller R. Bacon
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-3-03	9:45	≈ 2'		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		12		CL	Thin layer of Topsoil (<1") - Brown Brown CLAY & SILT, Moist.		
						GP	Gray f-c SAND and Gravel, Saturated	0	0
	5	S2		18		ML	As above Brown silty-CLAY, trace f Sand, Saturated	0	0
**	*								
	10	S3		18			Brown SANDY Silt w/ Yellow mottling trace rock fragments	0	0
							Refusal @ 11' bgs		
	15						* - FS-MICRO01-D68-S-0 submitted for VOCs collected from 6'-8' bgs.		
							** - FS-MICRO01-D610-S-0 submitted for SVOCs, PCB/Pesticides & Metals & Cyanide. collected from 6'-10' bgs.		
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. |

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 777
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	9:00	≈ 2'		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		20"		ML	Brown CLAY + SILT Moist. trace organic material	0	0
						GW	Gray, F-C SAND and Gravel, saturated		
	5	S2		10"			As Above	0	0
						CL	Brown silty CLAY, trace sand. Saturated		
							Refusal @ 7.0' bgs		
	10								
	15								
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 2

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 77.2
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	8:30	∑ 2'		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		22"		ML	Brown CLAY & SILT moist.	0	0
**	*					GW	Gray F-c SAND and Gravel, saturated w/ faint Petroleum odor + sheen	0	0
	5	S2		28"			As above	0	0
						Pt	Dark Brown-Black Peat, saturated		
						CL	Reddish Brown Silty CLAY, trace sand, saturated		
		S3		20"		ML	Brown SANDY-Silt, w/ Yellow mottling trace rock fragments, saturated.	0	0
	10						Refusal @ 10.0 bgs		
	15						*. FS-SP02-024-S-0 collected from 2'-4' bgs for VOCs.		
	20						** FS-SP02-026-S-0 collected from 2'-6' bgs for SVOCs, PCB/Pesticides & Metals.		
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 3

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 87.9
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	1:30	∇ 4'		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	*	S1		22"			< 1" of Black cinders and coarse sand. Gravel Brown Sandy-Silt, wet 1-2, Moist 2-4	0	0
	5	S2		28"			Brown Silt, little fine Sand, saturated w/ yellow Mottling As above, trace limestone fragments	0	0
	10						Refusal @ 7.5' on top of limestone (gray) * FS-SP03-004-S-0 collected from 0-4' bgs for VOCs, SVOCs, PCB/Pesticides and Metals		
	15								
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 4

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 96.2
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	3:15	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		32"		Fill	Thin layer of Top soil < 1" Black sand and ash trace coal pieces (0-0.5') Black silty-sand, trace organic Material (0.5-1') Gray SM Sand, and limestone fragments (1-4') damp	0	0
	5	S2		30"		SM	Brown - silty Sand, some limestone fragments, moist As above layer limestone fragments	0	0
	10	S3		28"		ML	As above Brown sandy-Silt moist <1" of Reddish silty clay, Yellow mottling, trace limestone fragments	0	0
	15						Refusal @ 12' bgs		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 5

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 87.4
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-8-03	2:00	—	

Equipment Data			
		Casing	Sampler	Core
Type		Acetate	Macro Core	
Diameter		1.75"	2.0"	
Weight				
Fall				

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		30		Fill	1" long of Black sand & rock fragments Reddish-Brown Silty-sand, Yellow mottling, trace limestone fragments, trace organic material dry. As above Brown, moist	0	0
	5	S2		3'			Brown Silty-Sand, Yellow mottling, little limestone fragments moist.	0	0
	10						Refusal @ 7.0'		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 6

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 777.8
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	1:30	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	* 0	S1		18"		GP ML	Brown topsoil, moist Gray sandy-Gravel, dump Brown Sandy SILT and rock fragments, moist	0	0
	5	S2		12"			As above Reddish Brown clayey SILT and rock fragments, wet-yellow and gray mottling	0	0
	10						- Refusal @ 6' bgs * - FS-SPO6-D24-S-0 collected from 2'-4' bgs for VOCs, SVOCs, PCB/Pesticides and Metals.		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 7

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 79.7
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	1:00	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		30"		ML	Thin layer (<2") of Brown Brown SILT damp. Gray-Brown Silty Gravel, Large limestone fragments damp. Reddish-Brown + Clayey SILT and gravel damp. appears rework due to soil fracturing. Brown Clayey-SILT and gravel, Moist.	0	0
	5	S2		22"			As above.	0	0
	10						Refusal @ 7' bgs * FS-SP07-024-S-0 collected from 2'-4' bgs for VOCs, SVOCs, PCB/Pesticides and Metals.		
	15								
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 8

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 77.3
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	11:15	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks, PID Reading (ppm) Direct	Head
		S1		19"		ML	Dark Brown topsoil w/ rootlets. damp. rock in tip of probe Reddish - Brown - clayey SILT, some rock fragments moist.	0	0
	5	S2		48			Reddish-Brown clayey SILT, some rock fragments moist. As above, Yellow and gray mottling, wet.	0	0
		S3		6"			As Above	0	0
	10						Refusal @ 8.5'		
	15								
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 9

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 79.5'
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-3	10:45	≥ 6'		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	*	S1		28"		Fill	< 1" of Brown Topsoil Dark Brown sandy SILT and coal fragments, dry Reddish Brown sandy SILT and Coal fragments, trace glass, dry Rusty Brown ash and coal fragments, trace glass, trace slag, trace white sandy material < 1" of gray SILT and CLAY, trace ash and organic material, moist	0	0
	5	S2		30"		ML	Reddish-Brown Silty-CLAY, little coal fragments, trace organic material, trace limestone fragments, wet. Brown Clayey SILT w/yellow-gray mottling, some rock fragments, saturated	0	0
	10	S3		21"			Reddish-Brown Silty-CLAY, and limestone fragments, wet	0	0
	15						Refusal @ 10' bgs * - FS-SPOP-014-S-0 was collected from 1'-4' bgs for VOCs, SVOCs, PCB/Pest & Metals		
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 10

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 81.7
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	3:00	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		22"		Fill	±2" Brown Topsoil w/ rootlets Misc Fill - rusty brown - reddish-gray ash, w/ glass, slag, brick and porcelain fragments, and trace metal and large slag pieces.	0	0
	5	S2		36"			As above Reddish Brown Silty Clay, some f gravel, moist	0	0
	10	S3		20"			Misc. Fill - Rusty Brown ash w/ slag and rock fragments Brown - Sandy-SILT and gravel, moist	0	0
							Refusal @ 10' bgs		
	15								
	20								
	25								
	30								

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SOIL PROBE LOG

PROBE NO. 11

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 83.6
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	2:00	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		18"		Fill	22" Brown Top soil w/ rootlets Black ash and Coal fragments, dump (x2') Rusty Brown ash, w/ organic material, pieces of paper and glass pieces	0	0
*	5	S2		10"			As above, trace coal fragments	0	0
**	10	S3		20"		CL	As above, w/ limestone fragments Brown silty-CLAY, moist	0	0
***		S4		4"			As above	0	0
	15						Refusal @ 12.5'		
	20						* - FS-SP11-0810-S-0 collected from 4'-10' bgs and submitted for SVOCs, PCB/Pesticides & Metals ** FS-SP11-0810-S-0 collected from 8'-10' bgs & submitted for VOCs *** - FS-SP11-D1012-S-0 collected from 10'-12' bgs and submitted for Metals & PCBs.		
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 12

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 72.5
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-4-03
Finish Date 9-9-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-9-03	1:30	—	

Equipment Data			
	Casing	Sampler	Core
Type	Acetate	Macro Core	
Diameter	1.75"	2.0"	
Weight			
Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	* 0	S1		6"		Fill	4" of Brown Topsoil w/rootlets, damp	0	0
							Rusty brown ash with metal pieces, slag and rock fragments, damp (~4")		
	5						Refusal @ 2' on top of weathered limestone		
	10						* - FS- SP12-002-S-0 collected from 0-2' bgs and submitted for VOCs, SVOCs PCB/Pesticides and Metals		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 13

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 70.6
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	1:00	⏚		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	*	S1		30"		Fill	Topsoil (≈2") w/ rootlets, Brown Reddish Silty-CLAY, w/ yellow and gray mottling w/ weathered Bedrock at Bottom, damp.	0	0
	5						Refusal @ 3.5'		
	10						* FS-SB13-00.5 3.5-S-0 collected from 0.5'-3.5' bgs and submitted for VOCs, SVOCs PCB/Pesticides and Metals.		
	15						Also the MS/MSD sample was collected at this location		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 14

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 711
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-9-03	11:00	—	

Equipment Data			
	Casing	Sampler	Core
Type	Acetate	Macro Core	
Diameter	1.75"	2.0"	
Weight			
Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		22"		CL	Thin layer (<1") of top soil with organic material some rock fragments. Reddish-Brown Silty-CLAY with rock fragments and weathered bedrock at bottom, damp.	0	0
							Refusal at 3'		
	5								
	10								
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 15

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 73.9
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	11:-	≈ 7.5' bgs		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		30"			Reddish-Brown - Silty-Clay and limestone fragments throughout boring, yellow mottling. damp. Brick fragments in to 2"	0	0
	5	S2		28"			Reddish Brown Silty-Clay and limestone fragments yellow mottling, moist As above saturated	0	0
	10	S3		12"			As above, lens of Brown silt @ 10.0' Gray-Rock chip pieces of limestone	0	0
	15						Refusal @ 10.5' on top of limestone (gray)		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 16

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 85.8
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	10:00	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		36"		Fill	Tan - fine sand and ash w/ lenses of Black ash trace rock fragments, dump Black and gray ash w/ some rocks and trace metal pieces, dump. (21")	0	0
	5	S2		30"		Fill	As above. Reddish - reworked - silty clay w/ trace rock fragments Black - gray ash, trace Brown silty clay, moist (< 1")	0	0
*	10	S3		28"		CL	Reddish - Brown silty clay, w/ yellow mottling, moist (native). As above w/ flakey chip piece of gray limestone Reddish Brown silty clay, trace limestone fragments moist.	0	0
	15	S4		24"			As above, and limestone fragments, moist.	0	0
	20						Refusal @ 15.5' * - FS-SP16-R@12-S-0 collected from 8'-12' bgs and submitted for VOCs, SVOCs PCB/Pesticides and Metals		
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 17

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 94.6
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller A Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	9:10	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							JCM mistakenly omitted recovery		
		S1		—		Fill	Thin layer of topsoil Brown-Black sand (f,m) and ash with trace crushed fire brick, damp Rusty Brown ash, w coal pieces, damp	0	0
	5	S2		—			Crushed fire Brick mixed with Black ash and cinders and reddish brown silty clay Black-gray ash and coal pieces, sandy fill, damp	0	0
	10	S3		—			Black ash w/ trace fire Brick Fragments, Moist	0	0
	15	S4		—			Ash above, wet Trace-reddish-brown silty-clay, saturated.	0	0
							Refusal @ 15' on top of Limestone		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 18

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 96.5
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	12:00	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		40		Fill	Thin layer of Top soil w/rootlets Misc-Fill - Black ash, cinders, & plastic and Broken Brick pieces and coal moist. wet lens at 3' trace of organic material	0	0
	5	S2		38			As above	0	0
	10	S3		28"			As above w/ slag pieces and trace rounded stone	0	0
		S4		10"			Fine Black ash, trace cinders, trace slag pieces, moist Thin lens of	0	0
	15						Refusal at 13.5'		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 19

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 96.7
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-8-03
Finish Date 9-8-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-8-03	8:30	—	—	Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							- JCM Mistakenly omitted recovery		
	0	S1		1		Fill	Thin layer of topsoil <1" w/ rootlets Black ash, with slag, little rock frag mostly, damp	0	0
*	5	S2		1			As above, w/ lens of reddish-Brown silt, damp	0	0
		S3		1			As above w/ large limestone fragments, damp	0	0
	10						Refusal @ 10' - Bedrock * - FS-SP19-D48-S-0 collected from 4'-8' bgs and submitted for VOCs, SVOCs, PCB/Pesticides and Metals		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 20

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 97.0
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	9:15	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		20"		Fill	~2" layer of Brown Top soil w/ rootlets D.Brown SAND - Gravel w/ coal fragments and Organic material damp. Reddish-Brown clayey SILT, trace rock and coal fragments damp.	0	0
	5						Refusal @ 3.0 bgs		
	10								
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 21

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 98.0
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	8:35	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		30"		Fill	Black and Brown Silty-Gravel and black ash damp. Reworked Reddish Brown Silty-CLAY and gravel, damp. Black ash and coal fragments damp.	0	0
*	5	S2		22"			As above and gravel, damp Reworked Reddish Brown Silty-CLAY w/Yellow gray mottling, Gray-Sand and gravel damp	0	0
							Refusal @ 6'.0 bgs		
	10						* - FS-SP21-D45-S-0 collected from 4'-5' bgs and submitted for VOCs, SVOCs, PCB/Pesticides and Metals		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 22

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 98.1
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-9-03
Finish Date 9-9-03
Driller R. Brown
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-9-03	10:45	←		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	0	S1		18		Fill	Gray Silty-Gravel, and F-c sand, moist, w/ trace wood fragments.	1.0	1.2
	5	S2		18"			As above ≈ 2" of Yellowish-Brown SILT, trace sand, moist trace organic material	0	0
	10						Refusal at 7.5' bgs		
	15								
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 23

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 79.4
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	1230	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
	*	S1		29"		Fill	≈2" of Top soil Brown w/ rootlets Rusty-Brown SAND and gravel, w/ slag, glass Buttons, Metal pieces, trace organic material, damp Brown silty-Gravel, trace coal & Metal Fragments trace organic material damp <1" of Gray Sandy Gravel	0	0
	5	S2		20"		CL	Brown silty-SAND, trace metal pieces, buttons, glass, moist Redish-Brown clayey SILT, w/ gray Mottling, wet As above Brown and saturated	0	0
	10						Refusal @ 6'		
	15						*-FS- SP23-014-S-0 was collected from 1'-4' bgs and submitted for VOCs, SVOCs, PCB/Pesticides and Metals		
	20								
	25								
	30								

TVGA CONSULTANTS

SOIL PROBE LOG

PROBE NO. 24

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 828
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-10-03
Finish Date 9-10-03
Driller A. Bieber
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-10-03	2:45	—		Type	Acetate	Macro Core	
				Diameter	1.75"	2.0"	
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		S1		10"		Fill	< 1" Brown topsoil dump Misc. Fill ~ < 2" of each layer Rusty Brown sandy Silt, dump Tan gravel fines dump Reddish - Silt and gravel Rusty Brown ash w/ slag, glass and metal pieces	0	0
	5	S2		15"			Misc Fill ash above ~ < 2" of each layer Brown-Tan Silt w/ metal and brick pieces dump Black ash and coal pieces dump Rusty Brown coarse sand and gravel, trace coal, metal slag and glass pieces.	0	0
		S3		3"			As above	0	0
	10						Refusal @ 9.5' bgs		
	15								
	20								
	25								
	30								

APPENDIX B

TEST BORING LOGS

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW01OB ~~MW04OB~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 81.44
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-23-03
Finish Date 9-23-03
Driller S. Gingrich
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-23-03	12:15	≈17.5'		Type	HSA	SS	
				Diameter	4.25"	2.0"	
				Weight		140 #	
				Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							0'-10' See MW03RK		
							See MW03RK 0-10' bgs		
	5								
	10	S1	9 10 9 8	3"		Fill	Very stiff, Reddish-Brown, Silty-Clay, w/ gray mottling, some rock fragments, damp.	0	0
		S2	2 4 5 5	3"			As above, stiff	0	0
	15	S3	1 4 5 17	4"			As above, w/ trace black sand	0	0
		S4	5 12 18 24	6"			As above, Very Stiff, wet very stiff, Brown Sandy Silt, trace metal fragments, wet Brown, Black, Fine-Course Sand and gravel, saturated, slight petroleum odor (SS#)	0.1	4.0
	20	S5	2 2 50/2"	2"			Soft, Gray Silty-Gravel, little rock fragments, saturated.	0	0
							Auger Refusal @ 19.6' 2" SS Refusal @ 19.1'		
	25								
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW-208 ~~505~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 90.95
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-24-03
Finish Date
Driller S. Gingrich
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-24				Type	HSA	SS	
				Diameter	4.25"	2.0"	
				Weight		140 #	
				Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							1st Attempt 2" SS 0-12' bgs 3" SS 12-15.5' bgs SS + Auger Refusal @ 15.5' bgs		
		S1	4 14 10 9	20		Fill	Mics. Fill - Very Stiff, Brown, Silty-Gravel, some rock, little coal fragments, damp.	0	0.5
		S2	8 6 5 5	6"			Medium Dense, Brown and Black ash, some red and fire brick fragments little coal, little rock fragments, damp	0	0.6
	5	S3	2 2 6 3	5"			Loose, Brown and orange ash and peat like material w/ roots Some Metal, trace Brick, trace rubber pieces, damp	0.1	1.6
		S4	1 1 2 2	4"			Very Loose, Gray Peat like material, trace paper, trace brick, damp	0	0.4
		S5	1 1 6 6	6"			As above (≈2") ≈ 2" Black coke like fragments and Black sand, damp Gray-Brown sand, trace brick, trace coal pieces, damp	0	0.1
	10	S6	2 2 4 7	10"			As above sand clay, and silt, damp ≈ 1" of Reddish Silty-Clay, damp	0	0.1
		S7	16 24 39 23	20"			Hard Reddish Brown Silty-Clay, little coal fragments, trace rock fragments, damp	0	0
	15	S8	16 28 50/5 —	15"			Hard Reddish Silty-Clay with > 80% rock fragments Very little soil, damp	0	0.1
	20								
	25								
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW020B ~~MW020B~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 90.95
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-24-03
Finish Date 9-24-03
Driller S. Gigrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-24-03	11:15	≈24' bgs	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	
Diameter	4.25"	2.0"	
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							2nd Attempt 1st attempt auger refusal @ 15'.5' bgs 10' west & 36' North 3"SS - 10'-12' 28'-28.7 3"SS - 12'-28 SS @ Auger refusal @ 28.7' bgs		
							See page 1 of 2		
	5								
	10	S1	3 12 60 31	10"		Fill	very Dense, Rusty Brown ash, little coal, little slag pieces damp very Dense, Black tar/coal like Material, slight petroleum odor, damp	0.7	0.7
		S2	9 10 2 2	10"			Medium Dense, Black and Brown sand and ash, w/ tar/coal like material, trace petroleum & creosol odor, damp	1.0	0.9
	15	S3	5 2 3 6	22"			Loose, Black ash/Sand, little, coal, Coke, Brick Frags, coal/tar like material, w/ creosote smell, damp	0.7	0.5
		S4	7 3 2 2	24"			As above	0.4	0.4
		S5	5 7 2 3	26"			As above, odor faint.	0	0
	20	S6	3 3 14 21	12"			Medium Dense, Black ash, Moist Medium Dense, Reddish Brown Sand, coke fragments, trace rock fragments, moist	0	0.5
		S7	3 5 13 12	2"			1' of As above Large rock fragment w/ Reddish silty clay caked on it. wet.	0	0.1
*	25	S8	14 - 12 22	8"			Large Rock fragments w/ Brown Clayey Silt Caked on them (< 20% of actual soil), saturated	0	0
**		S9	19 21 32 37	10"			As above	0	0
	30	S10	8 50/3 - -	6"			As above Hard, Reddish silty-clay, w/ gray Mottling and rock fragments Saturated	0	0

* - FS-MW020B-03426-SO collected from 24'-26' bgs and submitted for VOCs

** - FS-MW020B-03428-SO collated from 24'-28' bgs and submitted for SVOCs PCB/pesticides and Metals.

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW01RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 99.00
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-15-03
Finish Date 9-22-03
Driller S. Cingrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-15-03	10:00	—	
9-22-03	11:00	≈ 15' BRK	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	6.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							Split spoon and auger refusal @ 6' bgs		
		S1	2 4 7 7	2"		Fill	Medium Dense. Silty-Gravel and Black ash, trace glass and a piece of fabric Filter, damp	0	0
		S2	6 8 30 10	7"			Dense. Black ash and rock fragments w/ slag, coal pieces, trace brick pieces, damp < 1" of Reddish-Brown silty-clay, trace rock fragments, damp	0	0
	5	S3	5 23 28 32	10"			< 1" of Black ash, trace coal / rock fragments Very stiff Reddish Brown silty clay, with yellow mottling, little rock fragments damp. (trace weathered Bedrock)	0	0
		RUN #1		50.6			Rock Coring Run #1 (5' run, 5.5'-10.5' bgs). ≈ 6" of cement grout followed by < 1" of red clay, followed by Red and white sandstone, with a vertical fracture throughout the entire core caused by a tree root. RQD = 68%	—	—
	10								
		RUN #2		52.5			Rock Coring Run #2 (5' run 10.5 - 15.5' bgs). Red and white sandstone with horizontal fractures packed w/ red clay with gray mottling at 1", 24", 25" and 48". also within the clay was weathered shale fragments. RQD = 60%	-	-
	15								
		RUN #3		58			Rock Coring Run #3 (5' run, 15.5-20.5' bgs) Red and white sandstone, with reddish clay seams (< 1") at 2" and 54" & shale seams (weathered) at 18", 24" and 30". RQD = 48%.	—	—
	20								
	25								
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW02RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 92.87
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-15-03
Finish Date 9-18-03
Driller S. Grzyrich
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-15-03	12:15	—		Type	HSA	SS	HQ
				Diameter	4.25"	2.0"	3.5"
				Weight		140 #	
				Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							SS Refusal @ 6.5' bgs Auger Refusal @ 5.5' bgs		
		S1	6 10 16 21	16"		F.11	Black ash and coal fragments, some rock fragments, damp	0	0
		S2	8 27 50/3"	10"			As above, trace Brown gravelly silt Tan weathered sandstone, damp	0	0
	5	S3	— — 6 10 5"/6"	6" 12"			Concrete Brown - Sandy - Gravel, trace brick and coal pieces	— 0	— —
		RUN #1		39"			Rock coring Run #1 (5' run 5'-10' bgs) 2x6" of cement grout Red and white sandstone w/ multiple horizontal fractures throughout, Iron staining in top 1" of Run. Vertical fractures in top 12" and Bottom 18" each packed w/ red silty clay. RQD = 0%	—	—
	10	RUN #2		26"			Rock Coring Run #2 (3.7' run 10-13.7 bgs). Very fractured red and white sandstone, no pieces > 4". Red clay mixed w/ the fractured pieces, bottom 12" almost all red clay w/ gray mottling. RQD = 0%	—	—
			92 100/4 100/5"	10" 5"			5"SS - Reddish silty clay w/ sandstone and shale fragments. 2"SS - As above w/ weathered shale pieces.	0	0
	15	RUN #3		47"			Rock Coring Run #3 (5' run 14.7'-19.7' bgs); Gray, Red and white sandstone. Multiple horizontal fractures throughout 4" of reddish clay at 8" into run. Two vertical fractures at 10" w/ gray clay in it and a vertical fracture at 36". Followed by very soft/weathered red shale. RQD = 34%	—	—
	20	RUN #4		55"			Rock Coring Run #4 (5' run 19.7 - 24.7). Red and white sandstone w/ shale seam 2"-9" w/ clay @ top; shale seam .5"-6", no apparent natural fractures in Bottom 39" RQD = 78%	—	—
	25	RUN #5					Rock Coring Run #5 (5' run, 24.7-29.7'). Red and white sandstone, w/ shale seam / horizontal fracture at 28". RQD = 96%	—	—
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW02RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 92.87
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-15-03
Finish Date 9-18-03
Driller S. Gingrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-15-03	12:15	—	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct Screen	Remarks PID Reading (ppm) Head Space
	35	Run #6		57.25"			Rock Coring Run #6 (5' run, 29.9 - 34.9'). Red and white sandstone w/ only one horizontal fracture at the shale seam @ 1 53.25". RQD = 73%	—	—
	40								
	45								
	50								
	55								
	60								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW3RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 81.37
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-15-03
Finish Date 9-23-03
Driller S. Ginnish
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-15-03	4:00	15.5 ±	
9-23-03	8:00	≈16.00 AK	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							SS-Refusal @ 15.5' Auger Refusal @ 18.0'		
		S1	14 50/2 — —	8"		Fill	Brown Silty-Gravel, some rock fragment, trace Brick pieces <1" of Black tar like material, some rock fragments damp.	0	0
		S2	8 31 17 16	5"			<1" of As above Hard Reddish Brown Silty Clay and rock fragments w/ gray Mottling, damp.	0	0
	5	S3	12 27 38 41	6"			<1" of Hard Black tar and coal fragments Hard Reddish Brown Silty Clay, Yellow & gray Mottling, some rock fragments damp	0	0
		S4	8 18 18 16	4"			As above, moist.	0	0
		S5	9 11 9 10	4"			As above, moist, very stiff	0	0
	10	S6	4 7 14 10	6"			As above, very stiff, moist	0	0
		S7	2 4 5 4	7"			As above, stiff Stiff Brown sandy Silt, trace coal Pieces, wet.	0	0
*	15	S8	9 13 5"/5"	5"			As above, w/ Black wood piece giving off petroleum odor. saturated.	0	0
		Run #1		54.75			Rock Coring Run #1 (5' run 17.6-22.6') ≈6" of cement grout w/ metal fragment mixed in grout. Followed by Red and white sandstone w/ multiple Reddish clay Packed fractures at 15", 20", 27", 33" and 36" (all horizontal). RQD = 36%	—	—
	20								
		Run #2		50.5			Rock Coring Run #2 (5' run 22.6-27.6'). Red and white sand stone w/ horizontal fractures occuring at the shale seams at 2", 3", 9", 12", ±16", and a vertical fracture 27"-33" and weathered shale and reddish clay 38"-39". RQD = 4%	—	—
	25								
		Run #3		A			Rock Coring Run #3 (1.6' run, 27.6-29.2' bgs). Competent red and white sandstone w/ horizontal occuring @ 6", 10" 12" and 13" into run. RQD = 26%	—	—
	30						See Page 2 of 2		

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TEST BORING LOG

BORING NO. MW03RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 81.37
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-15-03
Finish Date 9-23-03
Driller S. Gingrich
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-15-03	4:00	15.5' 03		Type	HSA	SS	HQ
9-23-03	8:00	×16.00 RK		Diameter	4.25"	2.0"	3.5"
				Weight		140 #	
				Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct Screen	Head Space
		Run #4		55.75			Rock coring Run #4 (5' run, 29-34' bgs). Red and white sandstone, mostly red. w/horizontal fractures at 24" and 49" into run. RQD = 88%	—	—
	35						* - FS-MW03RK-D1415.5-S-O was collected from 14-15.5' bgs and submitted for VOCs		
	40								
	45								
	50								
	55								
	60								

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TEST BORING LOG

BORING NO. MW04RK ~~MW04OB~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 97.38
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-16-03
Finish Date 9-19-03
Driller G. Gingrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-16-03	5:00p	—	
9-19-03	10:00a	≈18.5	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							PID not functioning will Hydrospace 9-17-03 used 3" SS 0-10' & used 2" SS 10'-14'10" Auger & SS-Refusal @ 14'10" & Auger refusal @ 15.5'		
		S1	7 18 38 50/2	20"		Fill	≤1" of Brown Topsoil w/rootlets Very dense Black ash and Coal pieces, little Brick pieces dump	0	0
*	*	S2	10 15 14 8	21"			Hard Reddish Brown Silty Clay, w/orange Mottles, some rock pieces, little coal pieces, trace metal, plastic, dump Loose Rusty Sand and Silt w/ slag and coal pieces dump	0	0
	5	S3	20 22 35 39	18"		CL	Very Dense Black ash, coal and rock fragments dump Hard, Reddish Brown Silty Clay and gravel w/ rock fragments dump (<1")	0	0
***		S4	20 35 34 32	20"			As above, less rock & less gravel	0	0
		S5	30 35 33 32	22"			Hard Reddish Brown Silt and rock fragments, Moist.	0	0
	10	S6	45 50/1 — —	6" NR			As above w/ Poker chips of rock fragment, Moist — — —	0 NR	0 NR
		S7	26 45 48 50/5	10"			As above ≤2" of Brown (f) Sand trace gravel, Moist ≤1" of rock fragments	0	0
	15	S8	38 50/4	10"			Brown (f) Sand, Reddish rock fragments, Moist	0	0
		Run #1		11.25			Rock Coring Run #1 (15.5-17.7' bgs) Several different rock types including ≤4" piece of Dolomite, w/several vugs, w/ horizontal fractures - followed by ≈5" of Brown silt + rock, followed by gray dolomite of ≤3" RQD=0%	—	—
	20	Run #2		33"			Rock Coring Run #2 (17.7-22' bgs). ≈ 6" of Brown silt w/ various rock fragments, followed by 9.25" of Gray Dolomite w/ visible coiled fossil, followed by ≈6" piece of same, followed by Brown silt and Gray Dolostone fragments RQD=26%	—	—
	25	Run #3		14"			Rock Coring Run #3 (22'-26' bgs). Multiple different rock types, which were rock fragments mixed with Brown silt w/ bottom 2" consisting of Reddish clay. RQD=0%	—	—
	30	Run #4		56.5"			Rock Coring Run #4 (26'-31' bgs). Very competent red and white Sandstone w/ horizontal fractures occuring at the shale seams at 12" and 54" into the run. RQD=80%	—	—

* - FS-MW04RK-034-S-0 collected from 3'-4' bgs and submitted for VOCs

** - FS-MW04RK-035-S-0 collected from 3'-5' bgs and submitted for SVOCs PCB/Pesticides and Metals

*** - FS-MW04RK-068-S-0 collected from 6'-8' bgs and submitted for: VOCs SVOCs PCB/Pesticides Metals

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TEST BORING LOG

BORING NO. MW 05RK ~~0208~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 84.44
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-26-03
Finish Date 9-26-03
Driller
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-26-03	1:00	14.05'	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							2" SS and auger refusal @ 12.9' bgs		
		S1	8' 10	4"		Fill	3" of Asphalt; 8" of Concrete Stiff, Brown Silty gravel, some brick fragments, dust	0	0
		S2	7 4 9 8	8"			Stiff, Rusty Brown silt/ash, some sand, little coal, glass fragments, dump	0	0.1
	5	S3	4 3 5 8	10"			Medium Brown silt w/ Rusty Brown sand/ash, some coal, brick fragments, dump Medium Reddish-Brown Silty clay, w/ orange Mottling, trace coal fragments, Moist	0	0
		S4	12 4 4 5	16		CL	Medium Reddish-Brown Silty Clay w/ orange and gray Mottling; little wood fragments; Moist	0	0
		S5	3 5 6 15	16			As above, little fine sand and roots.	0	0
	10	S6	10 17 23 26	14			As above, some fine sand, little rock fragments wet.	0	0
		S7	11 50/4 — —	6			<1" of As above Hard, Red weathered shale, moist.	0	0
	15	RUN #1		60"			Rock coring Run # 1 (5' run 12.9'-18' bgs). Red and white sand stone, w/ horizontal fractures at the shale seams occuring at 16", 25", 26", 32.5"-33.5" 36", 38", 48.5", 51.5" and 53.5" into the run, a vertical fracture w/ trace clay 51.5"-53.5". There was a recovery of 60" and an RQD of 73%.	—	—
	20	RUN #2		58"			Rock coring Run # 3 (5' run 18'-23'). Red and white sandstone w/ more red than white, w/ some gray rings. No apparent Natural fractures; 96% RQD.	—	—
	25								
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. MW06RK ~~0308~~

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 82.05
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-25-03
Finish Date 9-30-03
Driller S. Zagrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-29-03	1230	≈ 15.00'	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							3"SS - 6'-10', 2" SS rest of hole 1st Auger Refusal @ 11.3' bgs		
		S1	6 6 / 2 1	6"		Fill	Misc Fill - Loose Black, Brown, Rust ash/sand, coal fragments dense	0	0.1
		S2	2 2 / 1 1	2"			As above.	0	0
	5	S3	2 1 / 1 1	3"			As above, little glass fragments, slag pieces.	0.2	0.5
		S4	1 2 / 5 10	16"		ML	Loose Reddish sand/ash, w/ metal, glass, coal, slag fragments. Comp. Medium Brown silt, Moist.	0.3	1.0
*	10	S5	12 18 / 22 29	30"			As above, trace rock fragments	0	0
		S6	24 33 / 50/4 —	15"			As above, some larger rock fragments ≥1" dia.	0	0
		Run #1		57			Rock Coring Run #1 (5' run 11.3'-16.3' bgs). Red and white sandstone, 1st 12" was solid core, white 12"-30" into run was fragmented sandstone, w/ clay in some of the horizontal and vertical fractures. Shale seams present at 36" and 48" and 57". RQD was 51%	—	—
	15	Run #2		20.5			Rock Coring Run #2 (3.2' run, 16.3'-18.5' bgs). ≈ 4" of pea gravel of multiple rock types, some rounded some angular, followed by several smaller hockey puck size pieces of white and red sandstone followed by several 2"-7" pieces of sandstone w/ vertical horizontal fractures. RQD = 0%	—	—
		Run #3		52			Rock Coring Run #3 (5' run, 18.5-23.5' bgs). Red and white Sandstone which was very competent. Natural fractures occuring at 24" and 48" into run. RQD = 71%	—	—
	20								
	25						* - FS- MW06RK-0810-S-0 collected from 8'-10' bgs and submitted for VOCs, SVOCs PCB/Pesticides, and Metals		
	30								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. ~~AW06OB~~ MW07RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 96.58
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-24 03
Finish Date 9-25 03
Driller
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-24 03	—	—		Type	HSA	SS	HQ
				Diameter	4.25"	2.0"	3.5"
				Weight		140 #	
				Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
							2" SS 0-6' 3" SS 6'-25 SS + Auger Refusal @ 25.3' bgs		
		S1	3 5 3 2	14"		Fill	Thin layer of Brown topsoil w/ rootlets Misc Fill - Loose Black ash, Cinders, some Rock pieces, trace brick and coal, damp	0	0
		S2	5 5 2 4	12"			As above, Brown and Black, some Reddish - Silty clay Pieces	0	0
5		S3	7 3 5 7	3"			1" of Loose Brown Silty Sand trace Brick, coal fragments damp Stiff Reddish silty clay w/ gray Mottling, trace coal fragments damp.	0	0
		S4	8 7 14 11	10"			As above, some brick, little rock fragments, damp.	0	0
		S5	8 11 11 9	12"			As above.	0	0
10		S6	7 6 6 9	14"			Red Brick fragments, trace Reddish silty-clay, damp	0	0
		S7	6 6 6 8	NR			Brick in Tip	—	—
15		S8	6 4 3 3	20"			Loose, Rusty Brown and Black sand/ash, some brick/coal fragments trace fine Brick, damp	0	0
		S9	3 6 6 5	22"			Loose Black, sand/ash, little fine Brick, trace coal/brick fragments moist. and Brown	0	0
		S10	8 6 3 3	24"			As above, and coal fragments	0	0
20		S11	3 4 2 3	24"			As above Loose Reddish silty sand, some coal/rock fragment, Moist	0	0
		S12	3 4 8 14	20			Misc Fill - Black, Brown, Red silty sand some brick, coal fragments, Moist stiff Reddish silty clay w/ gray and yellow mottles, moist	0	0
25		S13	21 50/5" — —	8"			Very Dense, Black silty sand mixed w/ reddish silty-clay and large rock fragments moist trace coal/brick	0	0
		RUN #1		36"			Rock Coring Run #1 (25.3'-29.5' bgs) Mostly Fractured. Red and white Sand stone w/ only 3 core pieces > 4", reddish clay mixed in fracture rock. RQD = 18%	—	—
30									

TVGA CONSULTANTS

TEST BORING LOG

PROBE NO. MW07RK

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: SLC Environmental Services

Project No. 0020571
GS Elev 96.58
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-24-03
Finish Date 9-25-03
Driller
Geologist J. Manzella

Groundwater Data (feet)				Equipment Data			
Date	Time	Depth	Elev		Casing	Sampler	Core
9-25-03	—	—		Type	Acetate	Macro Core	HQ
				Diameter	1.75"	2.0"	3.5
				Weight			
				Fall			

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
		Run #2		12"			Rock coring Run #2 (29.5-31' bgs) ± 5" of Red and white Sandstone fragments, followed by 7" of red clay then 3" of rock core RQD = 6%	—	—
		Run #3		20"			Rock Coring Run #3 (31-33.8' bgs) ± 5" of Red and white sandstone fragments, Pack w/ reddish clay, followed by 8" of a Red + white sandstone core w/ a vertical fracture packed w/ clay and from 10"-20" was all red clay w/ gray mottling.	—	—
	35	Run #4		57"			Rock Coring Run #4 (33.8' - 38.5' bgs) Red and white Sandstone w/ multiple horizontal fractures occuring at the shale seams @ 8", 15", 20", 24"-26", 28"-32", 35" + 40-42" which were also packed w/ red clay. rock fragments of Red and white sandstone 50'-57".	—	—
	40								
	45								
	50								
	55								
	60								

TVGA CONSULTANTS

TEST BORING LOG

BORING NO. ~~MW-4RK~~ Abandon

Project: Former Flintkote Site SI/RAR
Client: Niagara County Department of Planning, Development and Tourism
Contractor: Nature's Way Environmental Consultants & Contractors Inc.

Project No. 0020571
GS Elev 97.10
WS Ref Elev
N-S Coord
E-W Coord
Start Date 9-16-03
Finish Date 9-16-03
Driller S. Gingrich
Geologist J. Manzella

Groundwater Data (feet)			
Date	Time	Depth	Elev
9-16-03	12:00	—	

Equipment Data			
	Casing	Sampler	Core
Type	HSA	SS	HQ
Diameter	4.25"	2.0"	3.5"
Weight		140 #	
Fall		30"	

Well Construction	Depth (feet)	Sample No.	Blows per 6"	Recovery (in.)	Log	Unified	Field Description	Remarks PID Reading (ppm) Direct	Head
			3 16	10"		Fill	6.25 HSA Refusal @ 6.7' 2" SS Refusal @ 6'7" < 1" of D. Brown topsoil w/ rootlets, damp Dense Black ash, and g Brick Pieces, trace coal, slag and glass pieces, damp	0	
			20 21						
			13 13	12"		SW	< 1" of As above Medium Dense, Tan/Brown and Gravel (angular + rounded), damp.	0	
			15 15						
	5		7 13	16"		CL	As above Hard, Reddish-Brown, Silty clay, trace(F) Gravel, trace rock fragments, damp.	0	
			25 34						
			12 50/1"				As above Hard → Tan, Silt and gravel, trace rock fragments damp	0	
	10								
	15								
	20								
	25								
	30								

APPENDIX C

MONITORING WELL INSTALLATION REPORTS

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site SS/RAR
FILE NO. 0020571
CONTRACTOR Nature Way
DATE OF INSTALLATION 9-23-03
LOCATION MW01OB

GEOLOGIST S. Manzella
DRILLER S. Gigyrich
WELL NO. MW01OB
BORING NO. MW01OB
SHEET i OF 1

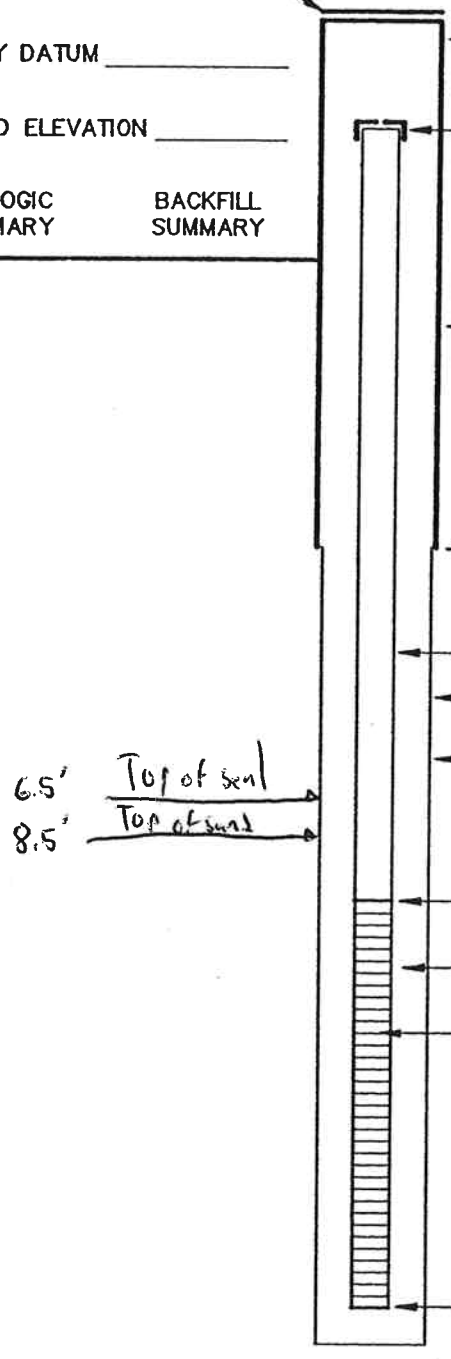
LOCK NO. 2126

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 2½"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2'
THICKNESS OF SURFACE SEAL	6.5'
TYPE OF SURFACE SEAL	cement grout
TYPE OF PROTECTIVE CASING	painted steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	2' 2½"
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00 Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	4.25"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	9.6'
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00 Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	19.6' bgs
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	19.6' bgs

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site SI/RAP
FILE NO. 002-571
CONTRACTOR Nature's Way
DATE OF INSTALLATION 9-24-03
LOCATION MW020B

GEOLOGIST J. Manzella
DRILLER S. Gingrich
WELL NO. MW020B
BORING NO. MW020B
SHEET 1 OF 1

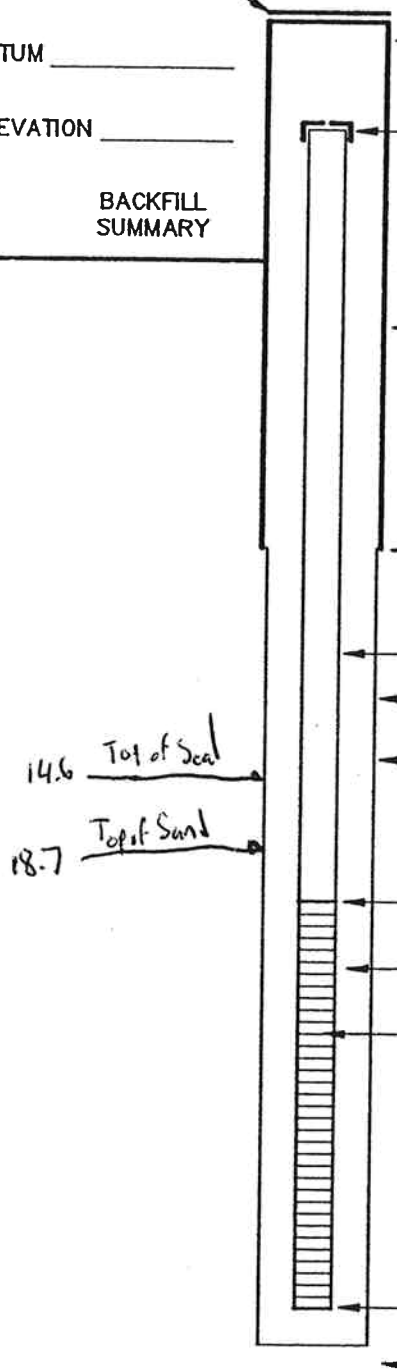
LOCK NO. 2126

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	1'8"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	1'4½"
THICKNESS OF SURFACE SEAL	14.6'
TYPE OF SURFACE SEAL	Cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	2.9'
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00 N Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	4.25
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	18.7
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00 N Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	28.7'
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	28.7'

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site SI/RAR
FILE NO. 0020571
CONTRACTOR Natures Way
DATE OF INSTALLATION 9-22-03
LOCATION MW01RK

GEOLOGIST J. Manzella
DRILLER S. Gingrich
WELL NO. MW01RK
BORING NO. MW01RK
SHEET 1 OF 1

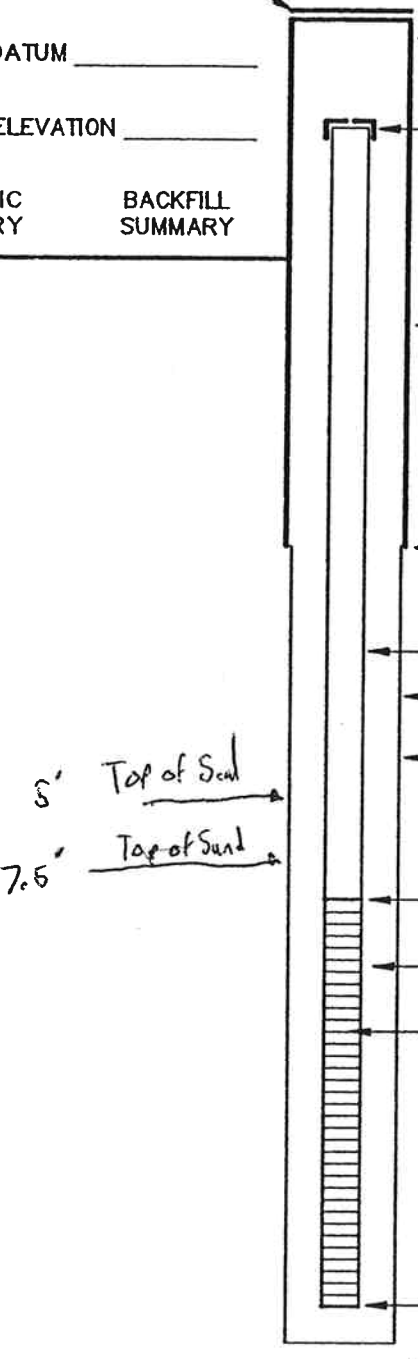
LOCK NO. 2126

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 9½"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2' 7¼"
THICKNESS OF SURFACE SEAL	5'
TYPE OF SURFACE SEAL	cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	6' bgs
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00N Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3⅞"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	10' bgs
TYPE OF WELL SCREEN	No. 10 slotted PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00N Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	20.0' bgs
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	20.5 bgs'

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote SI/RAR
FILE NO. 002671
CONTRACTOR Natures Way
DATE OF INSTALLATION 9-18-03
LOCATION MW02RK

GEOLOGIST J. Mangelli
DRILLER S. Gingrich
WELL NO. MW02RK
BORING NO. MW02RK
SHEET 1 OF 1

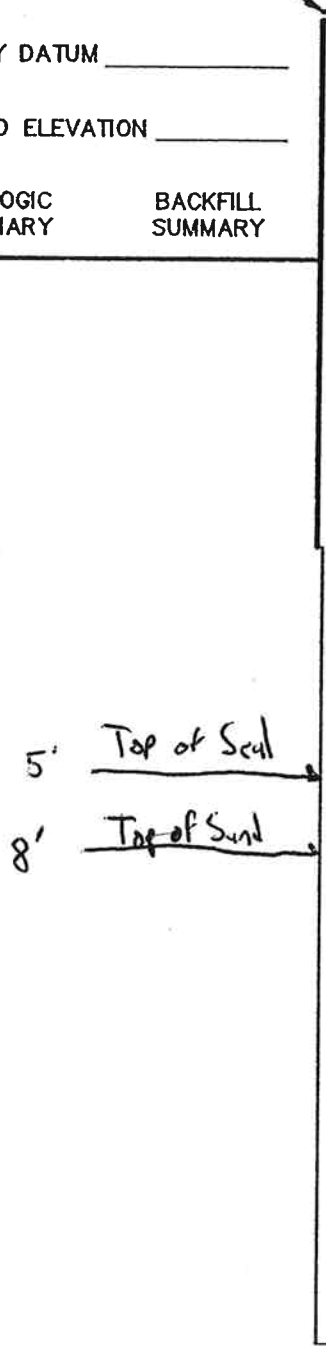
LOCK NO. 2176

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2'5"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2'3"
THICKNESS OF SURFACE SEAL	5'
TYPE OF SURFACE SEAL	cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	5.5'
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. Sand OON
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3 7/8"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	9'
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	OON
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	29.00'
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	34.95'

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site ST/RAR
FILE NO. 0020571
CONTRACTOR Nature Way
DATE OF INSTALLATION 9-23-03
LOCATION MW03RR

GEOLOGIST J. Manzella
DRILLER S. Gingrich
WELL NO. MW03RR
BORING NO. MW03RR
SHEET 1 OF 1

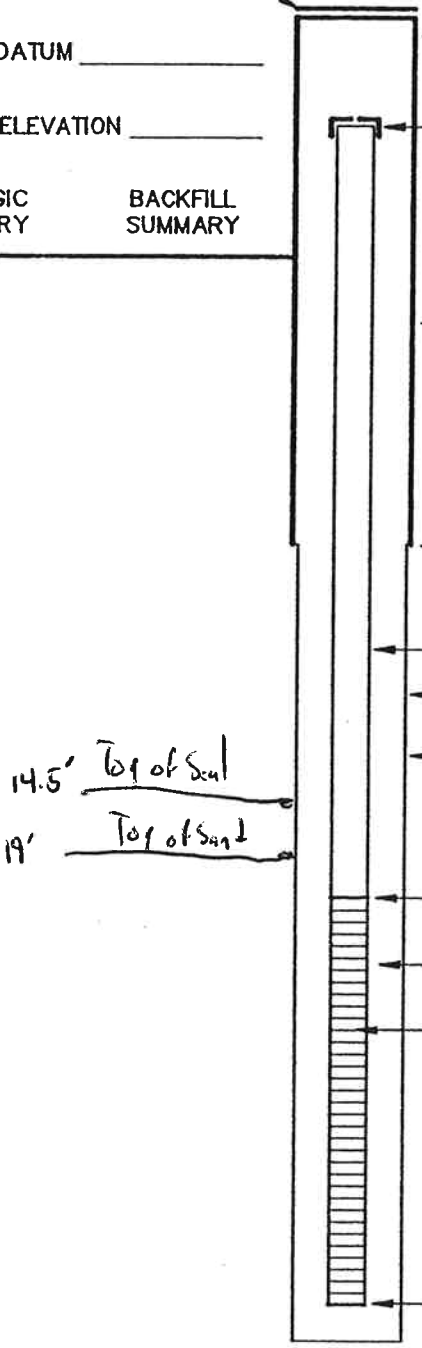
LOCK NO. [ ]

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 6"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2' 4"
THICKNESS OF SURFACE SEAL	14.5'
TYPE OF SURFACE SEAL	Cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	18' bgs
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00 Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3 7/8"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	20' bgs
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00 Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	30' bgs
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	34 bgs

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Fest. SI/RAR
FILE NO. 0020571
CONTRACTOR Nuvirosa Mw
DATE OF INSTALLATION 9-19-03
LOCATION MW04RK

GEOLOGIST J. Manzella
DRILLER S. Gingrich
WELL NO. MW04RK
BORING NO. MW04RK
SHEET 1 OF 1

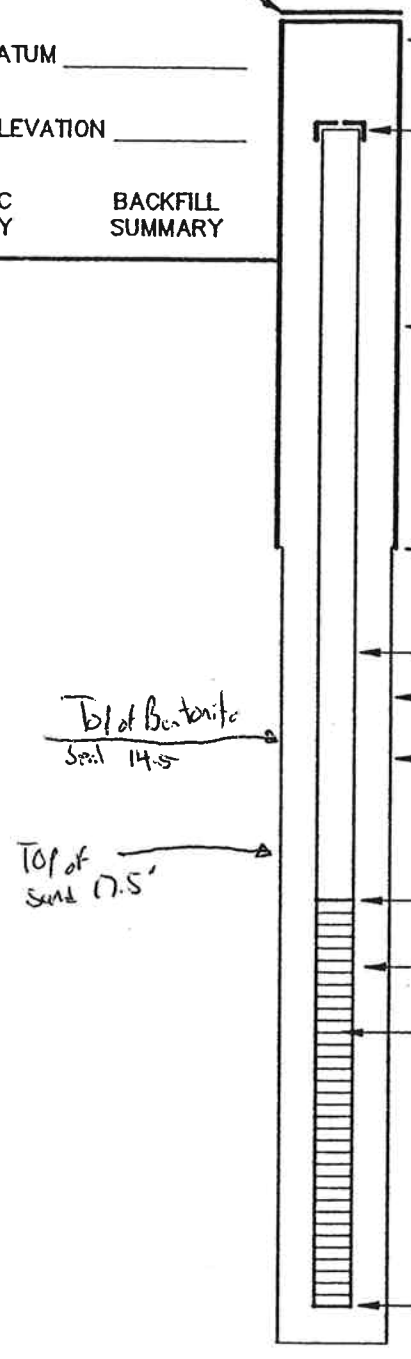
LOCK NO. 2186

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' ½"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	1'8½"
THICKNESS OF SURFACE SEAL	14.5'
TYPE OF SURFACE SEAL	cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	6.5'
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00 N Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3⅞"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	18.5
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00 N Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	28.5
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	28.5'

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site SI/RAP
FILE NO. 0020571
CONTRACTOR Nature Way
DATE OF INSTALLATION 9-26-07
LOCATION MW05RK

GEOLOGIST J. Munzolk
DRILLER S. Ingrish
WELL NO. MW05RK
BORING NO. MW05RK
SHEET 1 OF 1

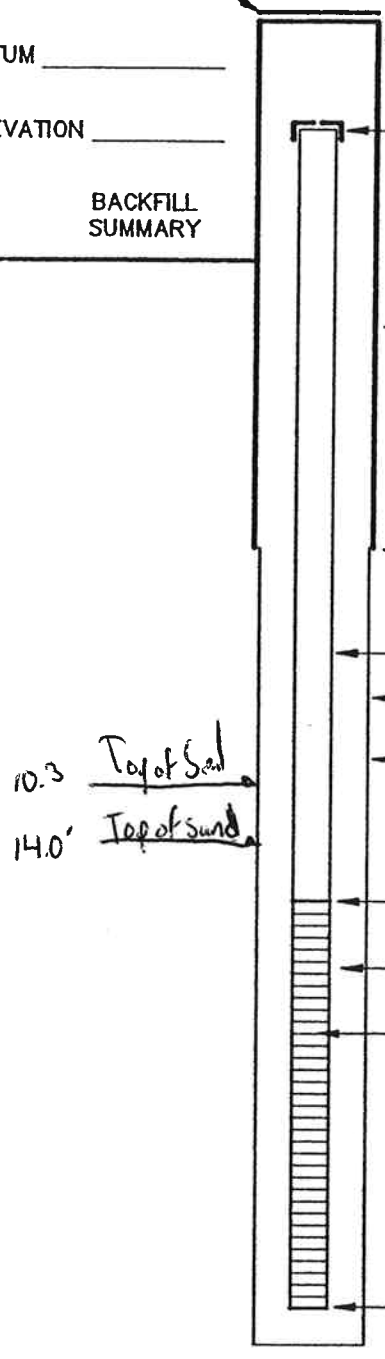
LOCK NO. 2126

SURVEY DATUM _____

GROUND ELEVATION _____

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 4½"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2'2"
THICKNESS OF SURFACE SEAL	10.3'
TYPE OF SURFACE SEAL	Cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	2'
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00N Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3 7/8
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	15
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00N Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	23'
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	23'

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former Flintkote Site SI/RAR
FILE NO. 002571
CONTRACTOR Natures Way
DATE OF INSTALLATION 9-29-03
LOCATION MW06RK

GEOLOGIST S. Manzek
DRILLER S. Gingrich
WELL NO. MW06RK
BORING NO. MW06RK
SHEET 1 OF 1

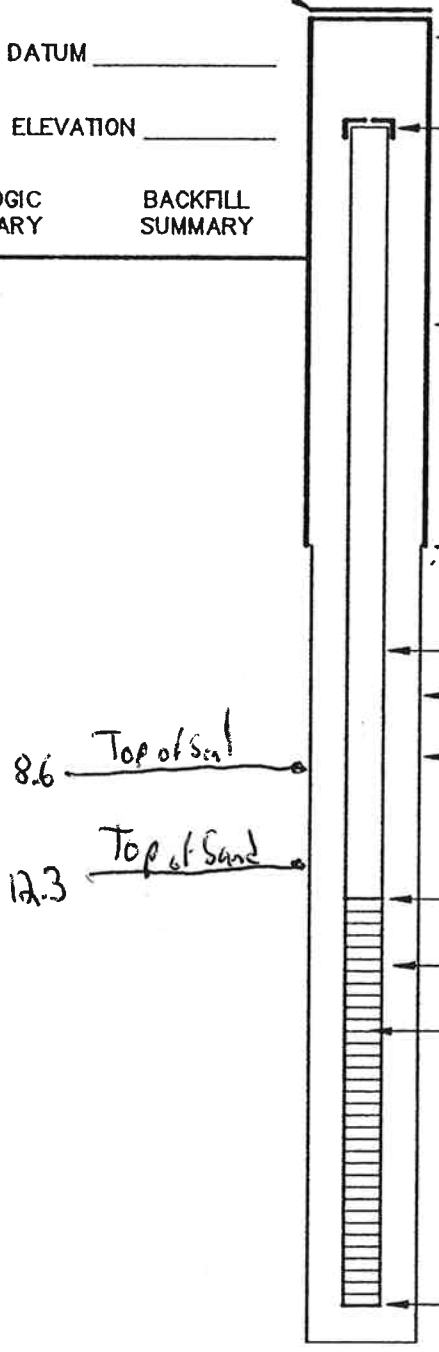
LOCK NO. 2126

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 3"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	1' 11"
THICKNESS OF SURFACE SEAL	8.6'
TYPE OF SURFACE SEAL	Cement grout
TYPE OF PROTECTIVE CASING	painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5"
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	2' 9"
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00N Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3 7/8
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	13.5
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00N Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	21.5
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	23.5

(FIGURES REFER TO ELEVATION____DEPTH____)

TVGA CONSULTANTS

MONITORING WELL INSTALLATION REPORT

PROJECT Former FlintKote Site SI/RAR
FILE NO. 0020571
CONTRACTOR Natural Way
DATE OF INSTALLATION 9-25-03
LOCATION MW07RK

GEOLOGIST J. Manzella
DRILLER S. Smyrnik
WELL NO. MW07RK
BORING NO. MW07RK
SHEET 1 OF 1

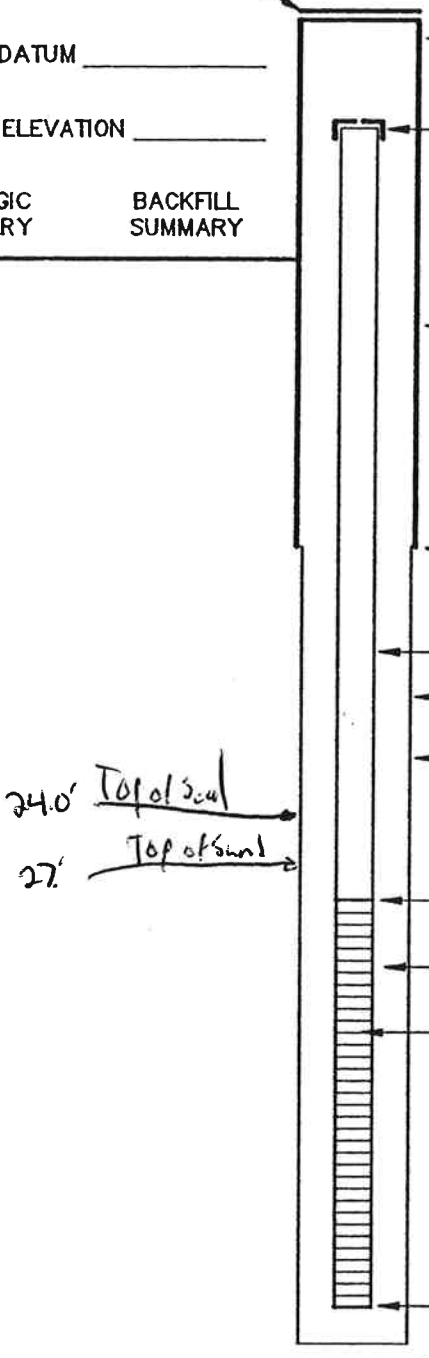
LOCK NO. 2126

SURVEY DATUM

GROUND ELEVATION

GEOLOGIC SUMMARY

BACKFILL SUMMARY



ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF CASING	2' 4½"
ELEVATION/STICK UP ABOVE/BELOW GROUND SURFACE OF RISER PIPE	2' 1"
THICKNESS OF SURFACE SEAL	24'
TYPE OF SURFACE SEAL	Cement grout
TYPE OF PROTECTIVE CASING	Painted Steel
INSIDE DIAMETER OF PROTECTIVE CASING	4.5
ELEVATION/DEPTH OF BOTTOM OF PROTECTIVE CASING	2' 7½"
INSIDE DIAMETER OF RISER PIPE	2"
TYPE OF BACKFILL AROUND RISER	No. 00 Sand
DIAMETER OF BORE HOLE WITHIN TEST SECTION	3 7/8"
TYPE OF COUPLING	Threaded
ELEVATION/DEPTH OF TOP OF SCREEN	27.6
TYPE OF WELL SCREEN	PVC
SCREEN SLOT SIZE	No. 10
DIAMETER OF WELL SCREEN	2"
TYPE OF BACKFILL AROUND WELL SCREEN	No. 00 Sand
ELEVATION/DEPTH OF BOTTOM OF WELL SCREEN	37.6
ELEVATION/DEPTH OF BOTTOM OF BOREHOLE	37.6

(FIGURES REFER TO ELEVATION____DEPTH____)

APPENDIX D

WELL DEVELOPMENT LOGS

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 0108

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-29-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 21.11 (from TOC)
(2) Depth to Water: 16.71 ft (from TOC)
(3) Column of Water: 4.40 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.72 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		18.25	18.61	20.05	20.82	20.90		
Vol Purged (gal)	Initial	1.00	1.00	1.25	1.25	1.00		
Time	4:30	4:34	4:45	4:57	5:09	5:19		
ORP/EH (MV)	-	-	-	-	-	-	-	-
pH	5.03	5.11	5.06	5.14	4.95	5.07		
Cond. (MS/CM)	1.17	1.57	1.50	1.80	1.96	1.97		
Turb. (NTU)	239	999	999	999	999	999		
D.O. (mg/l)	11.39	11.43	11.57	11.81	11.38	11.72		
Salinity (%)	0.05	0.07	0.06	0.08	0.08	0.09		
Temp. (°C)	11.9	11.4	11.5	11.4	11.4	11.4		

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments: Dark Brown Turbid as opposed to Red, with Noticable Sheen, no odor
Sheen lessened as Development continued

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 030B

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-29-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 29.99 (from TOC)

(2) Depth to Water: 25.42 ft (from TOC)

(3) Column of Water: 4.57 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.74 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 25.86 25.95 25.94

Vol Purged (gal)	Initial	1.00	1.00	1.25				
Time	2:20	2:26	2:37	2:53				
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	4.55	4.61	4.54	4.67				
Cond. (MS/CM)	4.11	5.67	5.66	5.67				
Turb. (NTU)	999	999	999	999				
D.O. (mg/l)	11.63	11.67	11.67	11.45				
Salinity (%)	0.20	0.29	0.29	0.29				
Temp. (°C)	10.4	10.4	10.3	10.5				

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments: _____

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 01RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-29-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 22.42' (from TOC)

(2) Depth to Water: 17.29' (from TOC) ft

(3) Column of Water: 5.13 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.84 gal

Method of Purging: WaTerra (Bailer) Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		22.40	22.42	22.42				
Vol Purged (gal)	Inital	1.00	0.10	0.10				
Time	9:43	9:52	10:00	10:17				
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.74	6.15	—	5.95				
Cond. (MS/CM)	1.42	1.69	—	1.59				
Turb. (NTU)	999	999	—	999				
D.O. (mg/l)	2.70	10.70	—	11.05				
Salinity (%)	0.06	0.07	—	0.07				
Temp. (°C)	12.7	11.5	—	12.5				

Total Volume Purged: 1.20 gal Total Purge Time: 35 min

Development Info:

Development Method: Dedicated Bailer

Comments: Very Turbid, 2nd Volume not enough for H_2O Indicator parameters after 10 min = 22.27', very slow recharge.

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 02RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-29-03
Screen Length: 20'

Purge Information:

(1) Depth to Bottom of Well: 31.07' (from TOC)
(2) Depth to Water: 17.78 ft (from TOC)
(3) Column of Water: 13.3 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 2.17 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other:

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		20.25'	21.91	23.60	24.21	23.88	24.59	24.10
Vol Purged (gal)	Initial	2.25	2.25	2.25	2.25	2.25	3.00	3.00
Time	10:37	11:00	11:12	11:27	11:34	11:46	12:00	12:14
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.72	5.84	5.53	5.49	5.61	5.77	5.82	5.84
Cond. (MS/CM)	1.62	2.84	2.55	2.46	3.34	3.96	4.32	4.50
Turb. (NTU)	10	999	870	640	533	612	999	999
D.O. (mg/l)	11.06	11.15	10.55	11.72	13.38	14.06	13.03	13.05
Salinity (%)	0.07	0.13	0.12	0.11	0.16	0.18	0.21	0.21
Temp. (°C)	12.2	11.5	11.1	11.1	11.1	11.1	11.1	11.5

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments:

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 03RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-29-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 34.50' (from TOC)

(2) Depth to Water: 17.24' ft (from TOC)

(3) Column of Water: 17.26 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 2.81 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		17.40	17.45	17.49	17.50			
Vol Purged (gal)	Initial	3.00	5.00	5.00	5.00			
Time	3:10	3:25	3:43	3:54	4:14			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.87	5.21	5.02	5.03	5.11			
Cond. (MS/CM)	3.77	4.94	4.89	4.79	4.64			
Turb. (NTU)	10	425	261	461	225			
D.O. (mg/l)	11.35	11.84	11.94	11.69	11.93			
Salinity (%)	0.18	0.25	0.24	0.24	0.23			
Temp. (°C)	10.9	10.8	10.7	10.8	10.8			

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments: _____

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 04RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-1-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 30.00 (from TOC)

(2) Depth to Water: 20.46 ft (from TOC)

(3) Column of Water: 9.46 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.56 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

Vol Purged (gal)	Initial	1.60	2.00	2.00	1.50	1.50	1.50	
Time	2:30	2:41	252	3:08	3:40	3:50	4:00	
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.69	5.88	5.77	5.82	6.31	6.22	6.18	
Cond. (MS/CM)	1.52	1.44	1.88	1.94	2.06	2.06	2.01	
Turb. (NTU)	76	999	999	999	999	999	999	
D.O. (mg/l)	11.86	12.16	12.25	12.12	11.66	11.15	11.53	
Salinity (%)	0.06	0.06	0.08	0.09	0.09	0.09	0.09	
Temp. (°C)	11.3	11.1	10.8	10.7	10.6	10.4	10.6	

Total Volume Purged: gal Total Purge Time:

Development Info:

Development Method: Dedicated Bailer

Comments:

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 05RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-1-03
Screen Length: 8'

Purge Information:

(1) Depth to Bottom of Well: 25.00 (from TOC)

(2) Depth to Water: 11.94 ft (from TOC)

(3) Column of Water: 13.06 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 2.13 gal

Method of Purging: WaTerra (Bailer) Submersible/Other:

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 20.31 24.26 24.61 23.11

Vol Purged (gal)	Initial	2.50	2.15	1.56	2.15			
Time	12.40	12:22	12:33	12:44	1:07			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.56	5.59	5.55	5.52	5.67			
Cond. (MS/CM)	1.93	2.30	2.14	2.58	2.62			
Turb. (NTU)	3	647	999	236	65			
D.O. (mg/l)	11.44	11.89	11.99	11.82	12.11			
Salinity (%)	0.09	0.10	0.10	0.12	0.12			
Temp. (°C)	12.0	11.6	11.0	11.2	11.1			

Total Volume Purged: gal Total Purge Time:

Development Info:

Development Method: Dedicated Bailer

Comments: During well construction this well had good water return during rock coring. Waited 10min after 3rd purge to allow for recharge. After recharg. water was almost clear

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 06RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-1-03
Screen Length: 8'

Purge Information:

(1) Depth to Bottom of Well: 22.67' (from TOC)

(2) Depth to Water: 15.77 ft (from TOC)

(3) Column of Water: 6.90 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.12 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		16.83	16.72	16.42	16.55	16.52		
Vol Purged (gal)	Initial	1.50	2.00	3.00	5.00	4.00		
Time	10 41	10.49	10:59	11:13	11:31	11:47		
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.11	5.20	5.26	5.37	5.57	5.46		
Cond. (MS/CM)	0.769	0.865	0.945	0.956	0.929	0918		
Turb. (NTU)	605	999	999	999	999	999		
D.O. (mg/l)	10.87	11.03	11.09	11.31	11.17	11.28		
Salinity (%)	0.03	0.03	0.04	0.04	0.04	0.03		
Temp. (°C)	11.9	11.8	12.0	12.0	12.0	12.0		

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments: _____

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: 07RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 9-27-03
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 39.40' (from TOC)

(2) Depth to Water: 28.55 ft (from TOC)

(3) Column of Water: 10.85 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 1.77 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		29.72	29.95	30.11	30.32	30.68		
Vol Purged (gal)	Initial	2.00	2.00	2.00	2.00	2.00		
Time	12:38	12:51	1:00	1:17	1:35	1:59		
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	5.94	6.07	5.80	6.15	6.34	5.20		
Cond. (MS/CM)	1.82	2.12	2.13	2.22	2.21	2.25		
Turb. (NTU)	54	999	999	999	999	999		
D.O. (mg/l)	12.33	12.21	11.96	10.76	11.16	11.39		
Salinity (%)	0.08	0.09	0.10	0.10	0.10	0.10		
Temp. (°C)	11.7	11.6	11.4	10.8	10.8	10.7		

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments: _____

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: MW-6 Micro

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-1-03
Screen Length: 4.5'

Purge Information:

(1) Depth to Bottom of Well: 13.28' (from TOC)

(2) Depth to Water: 11.77' ft (from TOC)

(3) Column of Water: 1.51 (#1 - #2)

(4) Casing Diameter: 1 in

(5) Volume Conversion: 0.041 gal/ft

(6) 1 Vol. of Well: 0.06 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 1282 Dry

Vol Purged (gal)	Initial	0.10	0.07					
Time	9.54	10:13	10:24					
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	4.81	4.52	4.83					
Cond. (MS/CM)	0.738	0.669	0.666					
Turb. (NTU)	999	999	999					
D.O. (mg/l)	9.59	10.86	10.97					
Salinity (%)	0.03	0.02	0.02					
Temp. (°C)	11.7	10.7	11.1					

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Decontaminated Bailer

Comments: Red turbid water

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL DEVELOPMENT LOG

MW NO: MW-No. 1

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-1-03
Screen Length: 8'

Purge Information:

(1) Depth to Bottom of Well: 11.00 (from TOC)

(2) Depth to Water: 5.75 ft (from TOC)

(3) Column of Water: 2 10.0 (#1 - #2)

(4) Casing Diameter: 1 in

(5) Volume Conversion: 0.041 gal/ft

(6) 1 Vol. of Well: 0.27 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other:

Volume Conversion:

2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:

Vol Purged (gal)	0.50	0.50	0.50	0.5	0.5			
Time	2:00	2:15	16:15	16:40	16:50			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.28	7.25	7.09	7.05	7.14			
Cond. (MS/CM)	1.08	0.84	1.31	1.22	1.02			
Turb. (NTU)	+1000	+1000	205	+1000	+1000			
D.O. (mg/l)	8.97	8.96	9.34	9.30	9.23			
Salinity (%)	—	—	.105	.105	.104			
Temp. (°C)	13.5	14.1	14.1	14.1	14.3			

Total Volume Purged: _____ gal Total Purge Time: _____

Development Info:

Development Method: Dedicated Bailer

Comments:

Logged By: JLM

APPENDIX E

WELL SAMPLING LOGS

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 0108

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10 2 01
Screen Length: 10'

Purge Information:
(1) Depth to Bottom of Well: 21.11 (from TOC)
(2) Depth to Water: 17.07 ft (from TOC)
(3) Column of Water: 4.04 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.66 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other:

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: ≈ 20.50 20.74 20.75

Vol Purged (gal)	Initial	0.60	0.60	0.60	Sample			
Time	2:46	2:52	2:55	3.00	3:10			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.30	7.44	7.55	7.38	7.82			
Cond. (MS/CM)	1.14	1.63	1.80	1.83	1.85			
Turb. (NTU)	+1000	+1000	+1000	+1000	2.59			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	10.27	10.18	10.18	10.19	10.45			
Temp. (°C)	11.8	11.2	11.2	11.0	11.1			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: _____

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: _____

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 02~~08~~

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-2-03
Screen Length: 10'

Purge Information:
(1) Depth to Bottom of Well: 29.99 (from TOC)
(2) Depth to Water: 25.38 ft (from TOC)
(3) Column of Water: 4.61 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 0.75 gal

Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		25 85	26 19	26 24				
Vol Purged (gal)	Initial	1.20	1.20	1.20	Sample			
Time	12:07	12:10	12:14	12:22	12:30			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.00	7.04	7.14	7.19				
Cond. (MS/CM)	4.96	5.44	5.75	5.81	5.89			
Turb. (NTU)	59	999	999	999	999			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	10.64	10.69	10.48	10.48	10.84			
Temp. (°C)	10.0	10.1	10.3	10.1	10.0			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: _____

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: 12:45

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments:

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 01RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-2-01
Screen Length: 10'

Purge Information:

(1) Depth to Bottom of Well: 22.41 (from TOC)

(2) Depth to Water: 17.41' ft (from TOC)

(3) Column of Water: 5 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 0.82 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 22.05 Dry

Vol Purged (gal)	Initial	1.40	0.10	Sample				
Time	9:25	9:31	9:35	3:56				
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.78	6.88	—	7.00				
Cond. (MS/CM)	1.71	1.77	—	1.58				
Turb. (NTU)	26	884	—	10				
Salinity (%)	0.08	0.08	—	—				
D.O. (mg/l)	9.44	9.82	—	9.15				
Temp. (°C)	11.9	11.7	—	12.8				

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: _____

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: _____

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: Not enough Vol on 2nd purge for indicator parameters

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 02RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-2-03
Screen Length: 20

Purge Information:

(1) Depth to Bottom of Well: 31.07 (from TOC)

(2) Depth to Water: 17.78 ft (from TOC)

(3) Column of Water: 13.29 (#1 - #2)

(4) Casing Diameter: 2 in

(5) Volume Conversion: 0.163 gal/ft

(6) 1 Vol. of Well: 2.17 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 20.74 23.04 24.69

Vol Purged (gal)	Initial	2.20	2.20	2.20	Sample			
Time	9:45	9:47	9:52	9:59	10:00			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.84	6.80	6.75	6.72	6.62			
Cond. (MS/CM)	1.40	2.92	2.73	2.55	2.8			
Turb. (NTU)	10	454	410	576	132			
Salinity (%)	0.06	0.14	0.13	0.12	0.13			
D.O. (mg/l)	9.65	9.81	10.39	10.64	10.71			
Temp. (°C)	11.6	11.3	10.8	10.5	10.5			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: _____

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: 10:00

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 03RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-2-03
Screen Length: 10'

Purge Information:
(1) Depth to Bottom of Well: 34.50 (from TOC)
(2) Depth to Water: 17.27 ft (from TOC)
(3) Column of Water: 17.23 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 2.80 gal

Method of Purging: WaTerra/(Bailer)/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		17.40	17.55	17.50				
Vol Purged (gal)	Initial	2.25	3.00	3.00	Sample			
Time	1:16	1:19	1:29	1:56	2:02			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.28	7.33	7.46	7.44	7.37			
Cond. (MS/CM)	4.76	5.07	5.15	5.13	5.13			
Turb. (NTU)	10	155	577	371	359			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	10.30	10.67	10.64	10.78	10.67			
Temp. (°C)	11.5	10.7	10.5	10.5	10.4			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:

Sample Method: _____

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: _____

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 04RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-2-03
Screen Length: 10'

Purge Information:
(1) Depth to Bottom of Well: 30.00 (from TOC)
(2) Depth to Water: 22.77 ft (from TOC)
(3) Column of Water: 7.23 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.18 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 24.51 25.84

Vol Purged (gal)	Initial	1.25	1.25	1.25	Sample			
Time	5:15	5:27	5:34	5:40	6:00			
ORP/EH (MV)	—	—	—	—	—	—	—	
pH	7.32	—	7.33	7.37	7.33			
Cond. (MS/CM)	157	1.86	2.05	2.45	2.18			
Turb. (NTU)	9	453	771	999	999			
Salinity (%)	—	—	—	—	—	—	—	
D.O. (mg/l)	10.85	10.87	10.31	10.52	10.55			
Temp. (°C)	10.8	10.6	10.4	10.5	10.2			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: Decanted Bailer
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Time: _____
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By: JCM

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 05RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-3-03
Screen Length: 8'

Purge Information:
(1) Depth to Bottom of Well: 25.00 (from TOC)
(2) Depth to Water: 11.89 ft (from TOC)
(3) Column of Water: 13.11 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 2.13 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: 19.77 22.30 23.90

Vol Purged (gal)	Initial	2.25	2.20	2.00	Sample			
Time	12:44	12:54	1:08	1:20				
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.52	6.66	6.61	6.82				
Cond. (MS/CM)	2.64	2.63	2.68	2.67	2.55			
Turb. (NTU)	34	49	211	126	1			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	9.22	10.51	10.70	10.77	10.70			
Temp. (°C)	13.4	11.3	11.0	10.8	11.6			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: _____
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Time: _____
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: Water Had Yellowish color to it.

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 06RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10 3-03
Screen Length: 8'

Purge Information:
(1) Depth to Bottom of Well: 22.67 (from TOC)
(2) Depth to Water: 15.97 ft (from TOC)
(3) Column of Water: 6.70 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.09 gal
Method of Purging: WaTerra/Bailer/Submersible/Other:

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		1641	1626	1644				
Vol Purged (gal)	Initial	1.25	1.25	5.00	Sample			
Time	10:35	10:45	10:56	11:26	11:33			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.44	6.58	6.59	6.80	6.83			
Cond. (MS/CM)	0.755	0.997	1.06	1.18	1.16			
Turb. (NTU)	64	999	999	535	805			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	9.54	9.45	10.19	10.16	10.08			
Temp. (°C)	10.8	10.9	10.9	11.0	11.6			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: _____
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Time: _____
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments:

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 07RK

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: _____
Screen Length: _____

Purge Information:
(1) Depth to Bottom of Well: 39.40 (from TOC)
(2) Depth to Water: 28.30 ft (from TOC)
(3) Column of Water: 11.10 (#1 - #2)
(4) Casing Diameter: 2 in
(5) Volume Conversion: 0.163 gal/ft
(6) 1 Vol. of Well: 1.81 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: Y 24.33' 28.03' 30.69

Vol Purged (gal)	Initial	1.8	4.0	2.00	Sample			
Time	11:12	11:15	11:22	11:26	11:31			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.03	7.11	7.11	7.10	7.11			
Cond. (MS/CM)	2.14	2.11	2.18	2.31	2.36			
Turb. (NTU)	0	>200	>200	999	999			
Salinity (%)	0.09	—	—	—				
D.O. (mg/l)	10.02	10.60	10.13	10.03	10.28			
Temp. (°C)	10.9	10.5	10.1	10.6	10.2			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: Peristaltic Bailer
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Time: _____
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 198-E

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-3-03
Screen Length: 5'

Purge Information:
(1) Depth to Bottom of Well: 19.82 (from TOC)
(2) Depth to Water: 15.96 ft (from TOC)
(3) Column of Water: 4.13 (#1 - #2)
(4) Casing Diameter: 1 in
(5) Volume Conversion: 0.041 gal/ft
(6) 1 Vol. of Well: 0.17 gal
Method of Purging: WaTerra/Bailer/Submersible/Other: Foot valve

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		17.48	17.46	17.47				
Vol Purged (gal)	Initial	0.25	0.25	0.25	Sample			
Time	4:00	4:10	4:16	4:28	4:40			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	7.04	6.90	6.80	6.77	6.70			
Cond. (MS/CM)	0.594	0.533	0.513	0.501	0.510			
Turb. (NTU)	184	289	251	236	214			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	10.01	9.77	9.92	10.23	10.25			
Temp. (°C)	12.2	12.3	12.0	11.9	11.9			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: Foot valve
Sample Time: 4:45
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments:

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: 19F

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-3-02
Screen Length: 5

Purge Information:
(1) Depth to Bottom of Well: 19.93 (from TOC)
(2) Depth to Water: 14.95 ft (from TOC)
(3) Column of Water: 4.98 (#1 - #2)
(4) Casing Diameter: 1 in
(5) Volume Conversion: 0.041 gal/ft
(6) 1 Vol. of Well: 0.20 gal
Method of Purging: WaTerra/Bailer/Submersible/Other: Foot valve

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		15.11	1508	15.19				
Vol Purged (gal)	Initial	0.75	0.30	0.45	Sample			
Time	3:00	3:10	3:15	3:20	3:25			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.92	6.90	6.88	6.89	6.88			
Cond. (MS/CM)	1.70	1.65	1.65	1.65	1.71			
Turb. (NTU)	999	999	999	999	999			
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	9.98	10.47	10.49	10.37	10:41			
Temp. (°C)	13.2	12.1	11.9	11.9	11.9			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: Foot Valve
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Time: _____
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: MW06 Micro

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-3-03
Screen Length: _____

Purge Information:

(1) Depth to Bottom of Well: 13.28 (from TOC)

(2) Depth to Water: 11.71 ft (from TOC)

(3) Column of Water: 1.57 (#1 - #2)

(4) Casing Diameter: 1 in

(5) Volume Conversion: 0.041 gal/ft

(6) 1 Vol. of Well: 0.06 gal

Method of Purging: WaTerra/Bailer/Submersible/Other: _____

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis: DCY

Vol Purged (gal)	Initial	0.06	—					
Time	9:13	9:32	—					
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.32		—					
Cond. (MS/CM)	0.712	0.664	—					
Turb. (NTU)	999	>200	—					
Salinity (%)	—	—	—	—	—	—	—	—
D.O. (mg/l)	9.45	9.72	—					
Temp. (°C)	10.2	10.1	—					

Total Volume Purged: 0.06 gal Total Purge Time: _____

Sampling Info:

Sample Method: Dedicated Bailer

No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE

Sample Time: _____

Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: _____

Logged By:

TVGA CONSULTANTS

MONITORING WELL SAMPLING LOG

MW NO: Micro No. 1

Project Name: Former Flintkote Site SI/RAR
Project Location: Lockport, New York

Project No: 0020571
Date: 10-3-03
Screen Length: 10

Purge Information:
(1) Depth to Bottom of Well: 13.33' (from TOC)
(2) Depth to Water: 5.73 ft (from TOC)
(3) Column of Water: 7.60 (#1 - #2)
(4) Casing Diameter: 1 in
(5) Volume Conversion: 0.041 gal/ft
(6) 1 Vol. of Well: 0.31 gal
Method of Purging: WaTerra/Bailer/Submersible/Other: Foot valve

Volume Conversion:
2" = 0.163 4" = 0.653 6" = 1.469 8" = 2.611 10" = 4.08

Field Analysis:		5.74	5.75	5.74				
Vol Purged (gal)	Initial	2.00	2.00	2.50	Sample			
Time	5:13	5:22	5:27	5:39	5:30			
ORP/EH (MV)	—	—	—	—	—	—	—	—
pH	6.77	6.71	6.63	6.68	6.68			
Cond. (MS/CM)	2.12	1.19	1.11	1.09	1.04			
Turb. (NTU)	926	999	999	999	999			
Salinity (%)	—	—	—	—	—			
D.O. (mg/l)	9.82	8.51	8.88	9.02	8.91			
Temp. (°C)	13.6	15.3	15.3	15.3	15.5			

Total Volume Purged: _____ gal Total Purge Time: _____

Sampling Info:
Sample Method: Foot valve
Sample Time: 5:30
No. of Bottles: 2 x 40 mL VOA, 4 x 1 L Amber, 1 x 8oz HDPE, 1 x 4oz HDPE
Sample Analyses: TCL VOCs, SVOCs, PCBs/Pesticides and TAL Metals + Cyanide

Comments: Very slight sheen

Logged By:

APPENDIX F

VISUAL ASBESTOS REPORT

VISUAL ASBESTOS SURVEY

Location:

Former Flintkote Site
198 & 300 Mill Street
Lockport, Niagara County
New York, 14094.

Prepared For:

TVGA Consultants
1000 Maple Road
Elma, NY 14059

November 24, 2003

AACTION ENVIRONMENTAL SERVICES, INC.

AACTION ENVIRONMENTAL SERVICES, INC.

VISUAL ASBESTOS SURVEY

Document Contents:

1. INTRODUCTION

Asbestos is the common name for a group of fibrous hydrated mineral silicates displaying high thermal stability, resistance to chemical attack, great tensile strength, electrical resistance and an ability to be subdivided into progressively smaller bundles and fine fibers. This group of minerals has been widely used in modern times and its employment has been recorded as long ago as the great civilizations of Rome and Greece. Asbestos has commonly been used as an insulator, fireproofing, and as a reinforcing addition to many products. It is commonly found in insulation, flooring materials, roofing materials, and sprayed- or trowelled-on surfacing materials as well as many other products in every-day use. Unfortunately, all asbestiform minerals, serpentine (chrysotile) and amphibole (amosite, crocidolite, anthophyllite, fibrous actinolite, and fibrous tremolite) groups alike, are hazardous when airborne and have been classified as human carcinogens as well as a causative agent in mesothelioma, pleurisy, and other respiratory ailments. Its positive and safe identification must be undertaken if proper precautions are to be taken to protect persons who may be exposed as a result of the disturbance of asbestos-containing materials.

2. OVERVIEW

Aaction Environmental Services, Inc. was retained by TVGA Consultants to perform a limited visual asbestos survey of The Former Flintkote Site, located at 198 & 300 Mill Street, Lockport, New York. The visual survey was performed to locate, identify, describe the condition and quantify suspect asbestos containing material (ACM).

A visual assessment walkthrough was initially performed on September 18, 2003 by two licensed and qualified inspectors (KZ & CK) to observe and record possible sample locations of potential asbestos containing building materials used in the construction or renovation of the buildings. Subsequently the inspectors (Kevin Zielinski - Inspector # AH 99-21358 and Connlith Keogh - Inspector # AH 95-13906) proceeded on the same day by locating/identifying suspect asbestos containing materials, taking their pictures, determining various conditions, mapping material locations, estimating quantities and documenting all findings on a log/data form.

3. SURVEY ASSESSMENT

The framework of the visual inspection provides for an organized and systematic approach to observe, record location(s) and list materials that have the potential of containing asbestos. The materials listed were selected on the understanding of the historical and potential uses of asbestos in building materials and systems. No assumptions or conclusions can be made as to the content of building materials and other potential (ACM) in spaces unknown or not reasonably accessible.

A total of 58 pictures were taken of various suspect and homogeneous materials distributed throughout and on the exterior of the buildings. It is presumed that materials of like composition, color, texture and appearance are homogeneous. It is assumed that a material is consistent throughout its application.

Most of the suspect asbestos containing materials found during the survey were determined to be Non-Friable and Non-Friable Organically Bound (NOB). Suspect (NOB) exterior materials included roofing material, window glaze and various materials in debris piles. Suspect interior (NOB) materials included floor tile, floor tile mastic, roofing material, electrical wire insulation/backer boards, window glaze, transite panels, gaskets, canvas cloth, and tar. Most of the suspect friable material left on site was found in small quantities including mud joint packing (pipe elbow insulation), dry wall, and pipe insulation. Friable refers to the cohesiveness of a bulk material, indicating that it may be crumbled or disaggregated by hand pressure. The only significant amount of suspect friable material discovered was plaster in building B, fire brick and plaster in the boiler room, plus the possibility of fire brick and brick mortar in the chimney.

4. INSPECTION SURVEY FORMS

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: South End Debris Pile

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Fiber Glass Panels	FGP-1	Red	1	NF	SD	PSD	250 Sq Ft
Linoleum	LIN-2	Tan	2	NF	SD	PSD	250 Sq Ft
Roofing Material	RM-3	Black	3	NF	SD	PSD	400 Sq Ft
Fire Door	FD-4	Rust	4	NF	SD	PSD	80 Sq Ft
Safe	SF-5	Rust	4	NA	SD	PSD	NA

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous:

Comments: The Fire Door & Safe have the possibility of containing internal (ACM).

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: A

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Fire Door	FD-6	Grey	5	NF	SD	PSD	21 Sq Ft
Fire Door	FD-7	Red	6	NF	I	PSD	21 Sq Ft
Window Glaze	WG-8	White	7	NF	SD	PSD	175 Lin Ft
Main Roof	MR-9	Black	8	NF	SD	PSD	1,800 Sq Ft
Roofing Material	RM-10	Black	9	NF	SD	PSD	50 Sq Ft
Floor Tile (12x12)	FT-11	Tan	10	NF	SD	PSD	300 Sq Ft
Floor Tile Mastic	FTM-12	Black	10	NF	SD	PSD	300 Sq Ft
Dry Wall	DW-13	White	11	F	SD	PSD	200 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous:

Comments: The Fire Doors have the possibility of containing internal (ACM).

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants **Area:** C

Project: Flintkote Site **Date:** 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Canvas Cloth	CC-14	Brown	12	NF	SD	PSD	60 Sq Ft
Mud Joint Packing	MJP-15	White	13	F	SD	PD	5 Lin Ft
Gasket	G-16	Grey	14	NF	I	PD	Through out
Fire Door	FD-17	Red	16	NF	D	PSD	21 Sq Ft
Window Glaze	WG-18	Grey	17	NF	D	PSD	50 Lin Ft
Main Roof	MR-19	Black	19	NF	SD	PSD	6,000 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Picture # 18 was taken from the second floor of some suspect ground debris.

Comments: Picture # 15 was of the area/conditions.
The Fire Door has the possibility of containing internal (ACM).

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: B

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Electrical Wire Insulation	EWI-20	Grey	21	NF	D	PSD	Through out
Wall Plaster	WP-21	White	22	F	SD	PSD	Through out
Door Stop/Canvas Cloth	DSCC-22	Grey	22	NF	D	PSD	1 Sq Ft
Main Roof	MR-23	Black	NA	NF	D	PD	2,100 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Picture # 20 turned out dark. It was taken of the wall paint and is suspect for asbestos and lead. Picture # 23 is suspect ground debris.

Comments: Picture # 22 is a side view of a wall & door stop.

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants **Area:** D

Project: Flintkote Site **Date:** 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Mud Joint Packing	MJP-24	White	24	F	SD	PD	5 Lin Ft
Felt Material	FM-25	Grey	25	F	SD	PSD	Through out
Gasket	G-26	Red	26	NF	I	PD	Through out
Brick Mortar	BM-27	Red	27	F	D	PSD	Through out
Pipe Insulation	PI-28	White	29	F	SD	PSD	30 Lin Ft
Tar Substance (unknown material)	TS-29	Black	30	NF	D	PSD	150 Sq Ft
Pre Fab roofing blocks (underside)	PFRB-30	White	35	F	I	PD	4,100 Sq Ft
Canvas Belt	CB-31	Grey	33	NF	D	PSD	75 Lin Ft
Main Roof	MF-32	Black	34	NF	SD	PSD	4,100 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Pictures # 31 and # 32 are of suspect ground debris, including roofing material.

Comments: Picture # 28 is of the blow horn and not a sample, (general conditions.)
The Pre Fab Roofing Blocks picture (# 35) was taken of the underside (bottom) of the roof.

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants **Area:** E

Project: Flintkote Site **Date:** 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Window Glaze	WG-33	White	44	NF	D	PSD	450 Lin Ft
Patching Material	PM-34	White	36	F	D	PSD	1 Sq Ft
Floor Tile	FT-35	Grey	37	NF	SD	PSD	40 Sq Ft
Floor Tile Mastic	FTM-36	Black	37	NF	SD	PSD	40 Sq Ft
Transite Debris	TD-37	Grey	37	NF	SD	PSD	3 Sq Ft
Pipe Insulation	PI-38	White	38	F	SD	PSD	2 Lin Ft
Vapor Barrier	VB-39	White	39	NF	SD	PSD	10 Sq Ft
Pipe Insulation	PI-40	White	40	F	SD	PSD	10 Lin Ft
Canvas Cloth	CC-41	Brown	41	NF	D	PSD	80 Sq Ft
Tar Paper	TP-42	Black	43	NF	D	PD	Unknown
Felt Board (window covering)	FB-43	Black	46	NF	SD	PSD	15 Sq Ft
Main Roof	MR-44	Black	NA	NF	D	PD	13,500 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Picture # 37 (Floor Tile/Mastic) also has a piece of suspect (transite) material next to it.
Picture # 42 is suspect (generator) belts.
Picture # 45 is more suspect canvas cloth hanging from a support beam.

Comments: Electrical components such as transformer panels/backer boards and wire insulation are suspect ACM and would be considered NOB.

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: Boiler Room

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Mud Joint Packing (pipe insulation)	MJP-45	White	47	F	SD	PSD	5 Lin Ft
Main Roof	MR-46	Black	48	NF	SD	PSD	2,000 Sq Ft
Plaster	PL-47	White	49	F	SD	PSD	Through Out
Fire Brick (furnace interior)	FB-48	White	50/51	F	D	PD	Unknown
Pipe Insulation (outside/roof area)	PI-49	Black	52	F	SD	PD	15 Lin Ft
Transite Panels	TP-50	Grey	53	NF	D	PD	250 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous:

Comments:

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: Coal Silo & Chimney

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Brick Mortar (Silo)	BM-51	White	54	F	D	PSD	Through out
Brick Mortar (Chimney)	BM-52	White	55	F	D	PSD	Through out

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Both structures: (Coal Silo & Exhaust Chimney) have the possibility of containing internal (ACM)- Fire Brick, Brick Mortar and Insulation Material.

Comments:

Visual Asbestos Inspection / Survey Report

Client: TVGA Consultants

Area: Machine Shop/Locker Room

Project: Flintkote Site

Date: 09/18/2003

Description of Suspect (ACM)

Type of Material	ID	Color	Pic#	F/NF Friable / Non	I, D, SD Condition	NPD, PD, PSD Damage	Quantity
Roofing Material (Machine Shop)	RM-53	Black	56	NF	SD	PSD	1,000 Sq Ft
Roofing Material (Locker Room)	RM-54	Black	58	NF	SD	PSD	500 Sq Ft

KEY: F = Friable / NF = Non Friable / I = Intact / D = Damaged / SD = Significant Damage / (NA = Not Applicable)
NPD = No Potential For Damage / PD = Potential For Damage / PSD = Potential For Significant Damage
Lin Ft = Linear Feet / Sq Ft = Square Feet / ACM = Asbestos Containing Material

Miscellaneous: Picture # 57 is suspect ground debris between buildings B & D.

Comments:

5. RECOMMENDATIONS

The Flintkote site was the subject of a USEPA removal action in 2001, which focused on the removal of friable ACM dangerous to the public. Most of the asbestos and friable ACM was removed at that time. Besides possible ACM (fire-brick) inside the boiler not much friable asbestos is left. There is still some suspect ACM left on the site, mostly non-friable and non-friable organically bound (NOB) such as roofing material, floor tile and window glaze.

If demolition is the goal a pre-demolition survey with sampling and testing should be performed on all remaining suspect ACM. Followed by proper removal by a licensed asbestos abatement contractor in accordance with all applicable New York State Department of Labor (NYSDOL), U.S. Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) rules and regulations. The abatement contractor should apply for site specific (NYSDOL) asbestos related applicable variances per code rule Part 56 to be granted relief relative to the findings and conditions.

Another option would be to implement Applicable Variance (AV 106) - Demolition of Condemned Building or Structures. Related to the felling of structurally unsound asbestos containing buildings or structures and the imminent danger said building or structures present to the public, were they to collapse due to fire, rain, snow loads, or other unpredictable natural disasters. Therefore allowing demolition to take place without surveying the building for the quantity and locations of asbestos. If (AV 106) is implemented and conditions are met asbestos abatement/remediation will not be necessary. Costs for this option would probably be much higher due to all the conditions of the variance. For the purposes of this variance, a building may be determined to be structurally unsound only by a building official of the local municipality or by a current registered New York State Licensed Professional Engineer or Registered Architect who has deemed the building condemned due to its being unsafe and in imminent danger of collapse.

6. MAPS/ PICTURE LOCATIONS

Residential Properties

Water Street

Metal Wall

Flow Direction

Eighteenmile Creek

William Street

Approximate Property Boundary

Residential Properties

Flow Direction

Millrace

Flow Direction

*20-23 (3rd Floor)

EWI-20

B MR-23 WP-21

DSCC-22

WG-18

FD-17 G-16

C

MR-19

MJP-15 CC-14

*(24-27 Basement)

MR-32 PI-28 BM-27 CB-31 G-26

D TS-29 MJP-24 FM-25 PFRB-30

CC-41 MR-44 PI-40 E FB-43

Locker Room RM-54 WG-33 TP-42 PM-34 VB-39 FT-35 FTM-36 TO-37 PI-38

MJP-45 P-47 Boiler House MR-46 BM-51 Coal Silo TP-50 PI-49 FB 48

Water Tower

Mill Street

MR-9 FD-6 A RM-10 FT-11 FTM-12 WG-8 FD-7 DW-13

South End Debris Piles FGP-1 LIN-2 RM-3

Dirt Rd

FD-4 SF-5

BM-52 CHIMNEY

MACHINE SHOP RM-53

*(8-13 2nd Floor) Mill Street

Chapel Street

Residential Properties

Porter St.

Residential Properties

LEGEND

A Building

Approx. Site Boundary

Building Footprints/ Remains

Existing Buildings

SITE PLAN

TVGA CONSULTANTS
1000 MAPLE ROAD, P.O. BOX H
ELMA, NEW YORK 14059-0264
P. 716.655.8842
F. 716.655.0937
www.tvga.com

SI/RAR
FORMER FLINTKOTE SITE
198 AND 300 MILL STREET
CITY OF LOCKPORT, NIAGARA COUNTY, NEW YORK

PROJECT NO. 0020571	SCALE: 1" = 60'	DATE: 05/13/03	FIGURE NO. 2


Image1.jpg


Image10.jpg


Image2.jpg


Image21.jpg


Image22.jpg


Image23.jpg


Image24.jpg


Image25.jpg


Image26.jpg


Image27.jpg


Image28.jpg


Image29.jpg


Image3.jpg


Image30.jpg


Image31.jpg


Image32.jpg


Image33.jpg

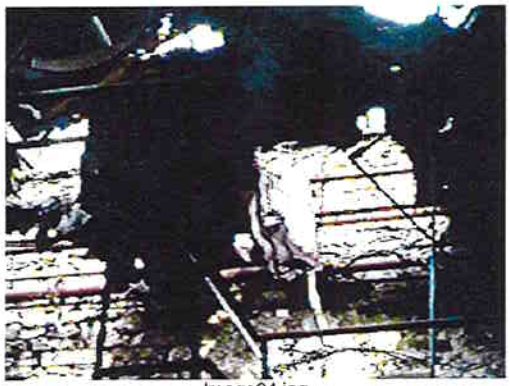


Image34.jpg


Image35.jpg


Image36.jpg


Image37.jpg


Image38.jpg


Image39.jpg


Image4.jpg


Image40.jpg


Image41.jpg


Image42.jpg


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Image44.jpg


Image45.jpg


Image46.jpg


Image47.jpg


Image48.jpg

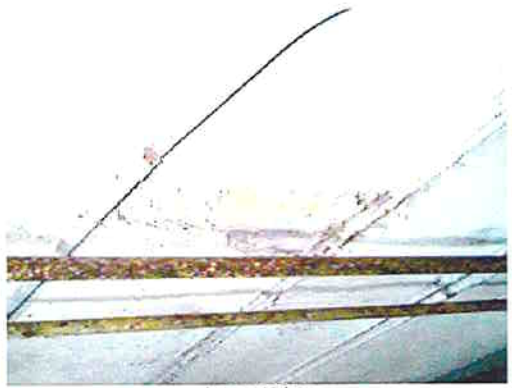
Image49.jpg


Image5.jpg


Image50.jpg


Image11.jpg


Image12.jpg


Image13.jpg


Image14.jpg


Image15.jpg


Image16.jpg


Image17.jpg


Image18.jpg


Image19.jpg


Image20.jpg


Image51.jpg


Image52.jpg

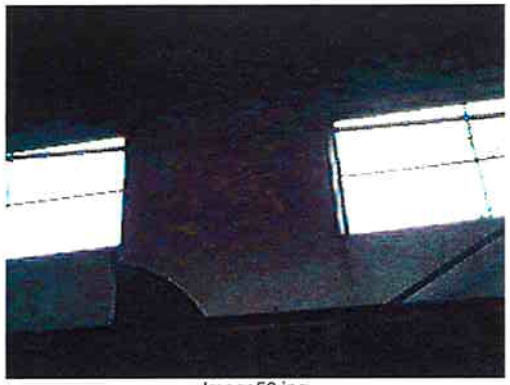
Image53.jpg


Image54.jpg


Image55.jpg


Image56.jpg


Image57.jpg


Image58.jpg


Image6.jpg


Image7.jpg


Image8.jpg


Image9.jpg

7. LICENSE/CERTIFICATIONS

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 161
STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

LICENSE NUMBER: 03-0116
DATE OF ISSUE: 02-26-03
EXPIRATION DATE: 02-29-4

Contractor: AACTION ENVIRONMENTAL SERVICES INC.
Address: 41 Saint Joan Lane
Cheektowaga, NY 14227

Duly Authorized Representative: Kevin Zielinski

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES

C -	SAMPLING TECHNICIAN	(05/04)
D -	INSPECTOR	(05/04)
H -	PROJECT MONITOR	(05/04)

KEVIN P ZIELINSKI
41 ST. JOAN LANE
CHEEKTOWAGA NY 14227

RICHARD CUCOLO, Director - For the Commissioner of Labor

MUST BE CARRIED ON ASBESTOS PROJECTS

ADDRESS CORRESPONDENCE TO:
(Include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

CERTIFICATE NUMBER	AH 99-21358
EXPIRES	
SOCIAL SECURITY NUMBER	XXX-XX-0489
EYES: BLU	HAIR: BLN
WEIGHT: 151lbs.	HEIGHT: 5ft. 0in.

069436C

New York State Department of Health Certificate of Asbestos Safety Training

This certificate is the only documentation acceptable for purposes of interstate reciprocity among the Consortium of Northeast States.

Certificate No. 379469

I - To be completed by trainee

Name of trainee (print):	Social Security Number:
Cornelius Keogh	074-46-5876
Name of trainee (signature):	**Telephone Number:**
Cornelius Keogh	716-689-3968

Address: 568 Cottonwood Dr (Street or PO Box) Williamsville (City) NY (State) 14221 (Zip Code)

II - To be completed by training sponsor

Sponsor's Name:	Telephone Number:
The Safety and Health Center	(716) 838-6850
Address:	**Zip Code:**
2495 Main St, Suite 426 Buffalo, NY	14214
	Course Location:
	Same

Course Title: Inspector Initial

Language of Training: ☑ English ☐ Other: _____ **Exam Grade:** 92%

Dates of Training: From: 8/18/03 To: 8/20/03 **Expires:** 8/20/04

I certify that the asbestos safety training course given on the above date complied with both 10NYCRR Part 73 and TSCA Title II, was consistent with the curriculum and instructors approved by the New York State Department of Health, and the student receiving this certificate completed the training course and successfully passed the examination.

Course Director: Raymond Z. Turpin (Printed) Raymond Z. Turpin (Signature) STUDENT

DH-2832 (7/98)

AACTION ENVIRONMENTAL SERVICES INC.

October 30, 2003

TVGA Consultants
Attn: Tom Seider
1000 Maple Road
P. O. Box H
Elma, NY 14059-0264

Dear Tom,

Aaction Environmental Services is pleased to provide TVGA Consultants with the following pre-demolition asbestos survey/cost proposal. The pre-demolition asbestos survey at **The Former Flintkote Site, 198 & 300 Mill Street, Lockport, NY** will consist of locating, identifying, and sampling of suspect asbestos containing material (ACM) to ascertain the asbestos percentage/content and quantities.

Asbestos has commonly been used as an insulator, fireproofing, and as a reinforcing addition to many products. It is commonly found in insulation, flooring materials, roofing materials, and sprayed- or trowelled-on surfacing materials as well as many other products in every-day use. Unfortunately, all asbestiform minerals, serpentine (chrysotile) and amphibole (amosite, crocidolite, anthophyllite, fibrous actinolite, and fibrous tremolite) groups alike, are hazardous when airborne and have been classified as human carcinogens as well as a causative agent in mesothelioma, pleurisy, and other respiratory ailments. Its positive and safe identification must be undertaken if proper precautions are to be taken to protect persons who may be exposed as a result of the disturbance of asbestos-containing materials.

ASBESTOS SURVEY

Aaction Environmental Services will provide a EPA and New York State Department of Labor trained and certified Asbestos Inspector to perform the survey. Additionally Aaction Environmental will furnish all labor, supplies, materials and equipment necessary to perform and complete the inspection in strict adherence with all Federal, State, and local regulations.

SCOPE OF WORK

A visual assessment walkthrough is initially performed by a licensed and qualified inspector to observe and record locations of suspect asbestos containing building material used in the construction and/or renovation of the building. The materials sampled are selected on the basis of the historical and potential use of asbestos in building material. Samples are collected from various homogeneous materials distributed throughout and/or on the exterior of the structure. It is presumed that materials of like composition, color, texture and appearance are homogeneous and that a homogeneous material is consistent throughout its application. All sample locations are indicated on a schematic drawing.

41 SAINT JOAN LN • CHEEKTOWAGA, NY 14227 • Phone: (716) 677-8813 • Fax: (716) 677-8813 • Cell: (716) 818-1212

Collected samples are transported with Chain of Custody documents to a NVLAP and NY ELAP certified laboratory for analysis. Samples are first analyzed by using Polarized Light Microscopy (PLM) in compliance with US EPA Interim Method 40 CFR 763 and New York State Department of Health Method 198.1. Negative PLM samples require analysis under Transmission Electron Microscopy (TEM), as per NYS DOH ELAP Item #198.4 to determine asbestos content of a non-friable organically bound (NOB) material.

INSPECTION REPORT

A report issued for the investigative survey will contain the following:

Overview
Summary
Survey Assessment
Conclusions
Laboratory Reports/Chain of Custody Documents
Drawings/Sample Locations
License/Certifications

PROPOSAL COSTS ESTIMATE

Aaction Environmental Services, Inc. estimates the cost for a pre-demolition asbestos survey at The Former Flintkote Site, 198 & 300 Mill Street, Lockport, NY to be $ 4,678.00. If sample quantities are below or exceed the estimated amounts unit rates will be implemented. Unit rates and possible sample amounts are listed below.

Matrix	Method	# Units/Samples	Unit Cost	Total Cost
Friable/Non-Friable/NOB	PLM	# 64	$ 12.00	$ 768.00
(NOB) Gravimetric Preparation	Sample Prep	# 40	$ 11.00	$ 440.00
Non-Friable Organically Bound	TEM	# 40	$ 55.00	$ 2200.00
Technician/Inspectors-2 (Survey)	Per/Hr (2-Days)	# 32	$ 35.00	$ 1120.00
Clerical (Data Entry/Final Report)	Per/Hr	# 6	$ 25.00	$ 150.00

Thank you for the RFP on this project and the opportunity to provide you with our professional services. Please feel free to contact me if you have any questions or problems.

Sincerely,

Kevin Zielinski

Kevin Zielinski
President

41 SAINT JOAN LN • CHEEKTOWAGA, NY 14227 • Phone: (716) 677-8813 • Fax: (716) 677-8813 • Cell: (716) 818-1212

APPENDIX G

STL ANALYTICAL LABORATORY REPORT

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A03-A994

STL Project#: NY3A9078
Site Name: IVGA Consultants
Task: Former Flintkote Site SI/RAR - Groundwater

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo

Ryan T. VanDette
Project Manager

02/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3A99411	FS-198-E-MICRO-GW-O	10/03/2003	16:45	11/11/2003	15:00
A3A99410	FS-198-F-MICRO-GW-O	10/03/2003	15:50	11/11/2003	15:00
A3A99409	FS-MICRO1-GW-O	10/03/2003	17:30	11/11/2003	15:00
A3A99406	FS-MW010B-GW-O	10/02/2003	15:15	11/11/2003	15:00
A3A99407	FS-MW020B-GW-O	10/02/2003	12:45	11/11/2003	15:00
A3A99401	FS-MW02RK-GW-O	10/02/2003	10:00	11/11/2003	15:00
A3A99402	FS-MW03RK-GW-O	10/02/2003	14:20	11/11/2003	15:00
A3A99403	FS-MW04RK-GW-O	10/02/2003	18:00	11/11/2003	15:00
A3A99408	FS-MW06-MICRO-GW-O	10/03/2003	10:15	11/11/2003	15:00
A3A99404	FS-MW06RK-GW-O	10/03/2003	11:45	11/11/2003	15:00
A3A99405	FS-MW07RK-GW-O	10/02/2003	11:45	11/11/2003	15:00

METHODS SUMMARY

Job#: A03-A994

STL Project#: NY3A9078
Site Name: TVGA Consultants

PARAMETER	ANALYTICAL METHOD
Arsenic - Soluble	ASP00 CLP-M
Barium - Soluble	ASP00 CLP-M
Cadmium - Soluble	ASP00 CLP-M
Chromium - Soluble	ASP00 CLP-M
Lead - Soluble	ASP00 CLP-M
Mercury - Soluble	ASP00 CLP-M
Selenium - Soluble	ASP00 CLP-M
Silver - Soluble	ASP00 CLP-M

References:

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

NON-CONFORMANCE SUMMARY

Job#: A03-A994

STL Project#: NY3A9078
Site Name: TVGA Consultants

General Comments

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

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

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

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

Sample Receipt Comments

A03-A994
Sample Cooler(s) were received at the following temperature(s); NA °C
All samples were received in good condition.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

****

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

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

Ryan T. VanDette
Project Manager

2/3/04
Date

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample Data Package

T V G A Engineering & Surveying, P. C.
TVGA Consultants
Former Flintkote Site SI/RAR - Groundwater

9\22

Sample ID: FS-198-E-MICRO-GW-0
Lab Sample ID: A3A99411
Date Collected: 10/03/2003
Time Collected: 16:45

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 23:21	
Barium - Soluble	353		0.30	UG/L	CLP-M	11/17/2003 23:21	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 23:21	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 23:21	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 23:21	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:37	
Selenium - Soluble	5.8	B	4.1	UG/L	CLP-M	11/17/2003 23:21	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 23:21	

Sample ID: FS-198-F-MICRO-GW-0
Lab Sample ID: A3A99410
Date Collected: 10/03/2003
Time Collected: 15:50

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 23:17	
Barium - Soluble	101	B	0.30	UG/L	CLP-M	11/17/2003 23:17	
Cadmium - Soluble	2.0	B	0.20	UG/L	CLP-M	11/17/2003 23:17	
Chromium - Soluble	1.1	B	0.60	UG/L	CLP-M	11/17/2003 23:17	
Lead - Soluble	13.3		1.9	UG/L	CLP-M	11/17/2003 23:17	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:36	
Selenium - Soluble	ND		4.1	UG/L	CLP-M	11/17/2003 23:17	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 23:17	

Sample ID: FS-MICRO1-GW-0
Lab Sample ID: A3A99409
Date Collected: 10/03/2003
Time Collected: 17:30

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	4.4	B	3.4	UG/L	CLP-M	11/17/2003 23:12	
Barium - Soluble	182	B	0.30	UG/L	CLP-M	11/17/2003 23:12	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 23:12	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 23:12	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 23:12	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:35	
Selenium - Soluble	5.3	B	4.1	UG/L	CLP-M	11/17/2003 23:12	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 23:12	

Sample ID: FS-MW010B-GW-0
Lab Sample ID: A3A99406
Date Collected: 10/02/2003
Time Collected: 15:15

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	5.9	B	3.4	UG/L	CLP-M	11/17/2003 22:33	
Barium - Soluble	184	B	0.30	UG/L	CLP-M	11/17/2003 22:33	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 22:33	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:33	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 22:33	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:29	
Selenium - Soluble	ND		4.1	UG/L	CLP-M	11/17/2003 22:33	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:33	

Sample ID: FS-MW020B-GW-0
Lab Sample ID: A3A99407
Date Collected: 10/02/2003
Time Collected: 12:45

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 22:37	
Barium - Soluble	282		0.30	UG/L	CLP-M	11/17/2003 22:37	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 22:37	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:37	
Lead - Soluble	5.6		1.9	UG/L	CLP-M	11/17/2003 22:37	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:32	
Selenium - Soluble	12.8	B	4.1	UG/L	CLP-M	11/17/2003 22:37	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:37	

Sample ID: FS-MW02RK-GW-0
Lab Sample ID: A3A99401
Date Collected: 10/02/2003
Time Collected: 10:00

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 21:39	
Barium - Soluble	28.6	B	0.30	UG/L	CLP-M	11/17/2003 21:39	
Cadmium - Soluble	1.3	B	0.20	UG/L	CLP-M	11/17/2003 21:39	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 21:39	
Lead - Soluble	2.7	B	1.9	UG/L	CLP-M	11/17/2003 21:39	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:19	
Selenium - Soluble	5.1	B	4.1	UG/L	CLP-M	11/17/2003 21:39	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 21:39	

Sample ID: FS-MW03RK-GW-0
Lab Sample ID: A3A99402
Date Collected: 10/02/2003
Time Collected: 14:20

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	3.4	B	3.4	UG/L	CLP-M	11/17/2003 21:43	
Barium - Soluble	80.4	B	0.30	UG/L	CLP-M	11/17/2003 21:43	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 21:43	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 21:43	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 21:43	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:24	
Selenium - Soluble	5.2	B	4.1	UG/L	CLP-M	11/17/2003 21:43	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 21:43	

Sample ID: FS-MW04RK-GW-0
Lab Sample ID: A3A99403
Date Collected: 10/02/2003
Time Collected: 18:00

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 22:20	
Barium - Soluble	156	B	0.30	UG/L	CLP-M	11/17/2003 22:20	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 22:20	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:20	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 22:20	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:25	
Selenium - Soluble	ND		4.1	UG/L	CLP-M	11/17/2003 22:20	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:20	

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3A99408
Date Collected: 10/03/2003
Time Collected: 10:15

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 22:42	
Barium - Soluble	92.5	B	0.30	UG/L	CLP-M	11/17/2003 22:42	
Cadmium - Soluble	0.39	B	0.20	UG/L	CLP-M	11/17/2003 22:42	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:42	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 22:42	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:34	
Selenium - Soluble	5.7	B	4.1	UG/L	CLP-M	11/17/2003 22:42	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:42	

Sample ID: FS-MW06RK-GW-0
Lab Sample ID: A3A99404
Date Collected: 10/03/2003
Time Collected: 11:45

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	ND		3.4	UG/L	CLP-M	11/17/2003 22:24	
Barium - Soluble	215		0.30	UG/L	CLP-M	11/17/2003 22:24	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 22:24	
Chromium - Soluble	0.83	B	0.60	UG/L	CLP-M	11/17/2003 22:24	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 22:24	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:26	
Selenium - Soluble	ND		4.1	UG/L	CLP-M	11/17/2003 22:24	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:24	

Sample ID: FS-MW07RK-GW-0
Lab Sample ID: A3A99405
Date Collected: 10/02/2003
Time Collected: 11:45

Date Received: 11/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Arsenic - Soluble	5.2	B	3.4	UG/L	CLP-M	11/17/2003 22:29	
Barium - Soluble	49.7	B	0.30	UG/L	CLP-M	11/17/2003 22:29	
Cadmium - Soluble	ND		0.20	UG/L	CLP-M	11/17/2003 22:29	
Chromium - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:29	
Lead - Soluble	ND		1.9	UG/L	CLP-M	11/17/2003 22:29	
Mercury - Soluble	ND		0.055	UG/L	CLP-M	11/13/2003 15:28	
Selenium - Soluble	5.3	B	4.1	UG/L	CLP-M	11/17/2003 22:29	
Silver - Soluble	ND		0.60	UG/L	CLP-M	11/17/2003 22:29	

Chain of Custody

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	10-2-03	135366
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP-OD-VOCs	ASP-OD-SVOCs	ASP-OD-Acid/Pest	ASP-TAL-Metals	ASP-TAL-Dissolved	ASP-TCN	Special Instructions/ Conditions of Receipt
FS-MW02RK-GW-O	10-2-03	10:00a		X			4A 1LA		2A 8O2	2A 40m	1A 402		X	X	X	X	X	X	H-
FS-MW02RK-GW-MS		10:00a		X			4A 1LA		1A 8O2	2A 40m	1A 402		X	X	X	X		X	Hold all Dissolved
FS-MW02RK-GW-MSD		10:00a		X			4A 1LA			2A 40m			X	X	X				Metal samples until
FS-MW02RK-GW-MD		10:00a		X					1A 8O2		1A 402					X		X	client notification
FS-MW07RK-GW-O		11:45a		X			4A 1LA		2A 8O2	2A 40m	1A 402		X	X	X	X	H	X	
FS-MW020B-GW-O		12:45p		X			4A 1LA		2A 8O2	2A 40m	1A 402		X	X	X	X	H	X	
FS-MW03RK-GW-O		2:30p		X			4A 1LA		2A 8O2	2A 40m	1A 402		X	X	X	X	H	X	
FS-MW010B-GW-O		3:15p		X	JW		4A 1LA		2A 8O2	2A 40m	1A 402		X	X	X	X	H	X	
FS-MW01RK-GW-O		4:15p		X			[redacted]		1A 8O2	2A 40m	1A 402		X	[redacted]		X		X	Non-SVOCs under this link
FS-MWXX-GW-FD		3:00p		X			4A 1LA		1A 8O2	2A 40m	1A 402		X	X	X	X		X	
FS-TRIP03		4:30p		X					2A 40m				X						
FS-MW01RK-GW-O		6:15p		X			2A 1LA							X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By	10/3/03	9:40
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By	STL	10-3-03 09:40
2. Received By		
3. Received By		

Comments
* Also Received FS-MW04RK-GW-D" Not Listed Above (Date 10/6/03) 4@ 5.0 °C

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

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Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieral ski	Date: 10-3-03	Chain of Custody Number: 135368
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Aqeo-VOC	Aqeo-SVOC	Aqeo-PCB/Pest	Asp-TAL M. Totals	Asp-TAL M. Dissolved	Asp-TCN	Special Instructions/ Conditions of Receipt
FS-MW06-MICRO-GW-0	10-3-03	10:15a							1x 8021	2x 524.2	1x 4021		X			X		X	H = Hold all
FS-MW06-MICRO-GW-0		1:00p					1x 1LA							X					TAL-Dissolved Metals
FS-MW06-MICRO-GW-0		2:30p					1x 1LA								X				until Client Notification
FS-MW06RK-GW-0		11.45a					5x 1LA		5x 8021	2x 524.2	1x 4021		X	X	X	X	A	X	
FS-MW05RK-GW-0		2:00p					4x 1LA		1x 8021	3x 524.2	1x 4021		X	X	X	X		X	
FS-MW01RK-GW-0		2:30p					2x 1LA							X	X				ONLY 1x 1LA for SVOCs & for PCB/Pest
FS-198-F-MICRO-GW-0		3.50p					4x 1LA		2x 8021	2x 524.2	1x 4021		X	X	X	X	H	X	
FS-198E-MICRO-GW-0		4:45p					2x 1LA		2x 8021	2x 524.2	1x 4021		X	X	X	X	H	X	ONLY 1x 1LA for SVOCs & for PCB/Pest
FS-MICRO-1-GW-0		5:30p				JCM	4x 1LA		2x 8021	2x 524.2	1x 4021		X	X	X	X	H	X	
FS-MW06-MICRO-GW-0		11:00a							1x 8021								H		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By	James C. Manzella	10-3-03	18:40
2. Relinquished By			
3. Relinquished By			
1. Received By			
2. Received By		10/3/03	18:40
3. Received By			

Comments

3e2.02

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

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SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
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ANALYTICAL REPORT

Job#: A03-9312,A03-9555,A03-9564

STL Project#: NY3A9078
SDG#: 9312
Site Name: TVGA Consultants
Task: Former Flintkote Site SI/RAR - Groundwater

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo

Ryan T. VanDette
Project Manager

02/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3955508	FS-198-E-MICRO-GW-O	10/03/2003	16:45	10/03/2003	18:40
A3955507	FS-198-F-MICRO-GW-O	10/03/2003	15:50	10/03/2003	18:40
A3931201	FS-3SSPOON-RB	09/24/2003	14:30	09/26/2003	09:15
A3955509	FS-MICRO-1-GW-O	10/03/2003	17:30	10/03/2003	18:40
A3956405	FS-MW010B-GW-O	10/02/2003	15:15	10/03/2003	09:40
A3955506	FS-MW01RK-GW-O	10/03/2003	14:30	10/03/2003	18:40
A3956406	FS-MW01RK-GW-O	10/02/2003	16:15	10/03/2003	09:40
A3956409	FS-MW01RK-GW-O	10/02/2003	18:15	10/03/2003	09:40
A3956403	FS-MW020B-GW-O	10/02/2003	12:45	10/03/2003	09:40
A3956401MD	FS-MW02RK-GW-MD	10/02/2003	10:00	10/03/2003	09:40
A3956401MS	FS-MW02RK-GW-MS	10/02/2003	10:00	10/03/2003	09:40
A3956401SD	FS-MW02RK-GW-MSD	10/02/2003	10:00	10/03/2003	09:40
A3956401	FS-MW02RK-GW-O	10/02/2003	10:00	10/03/2003	09:40
A3956404	FS-MW03RK-GW-O	10/02/2003	14:20	10/03/2003	09:40
A3956410	FS-MW04RK-GW-O	10/02/2003	18:00	10/03/2003	09:40
A3955505	FS-MW05RK-GW-O	10/03/2003	14:00	10/03/2003	18:40
A3955501	FS-MW06-MICRO-GW-O	10/03/2003	10:15	10/03/2003	18:40
A3955502	FS-MW06-MICRO-GW-O	10/03/2003	13:15	10/03/2003	18:40
A3955503	FS-MW06-MICRO-GW-O	10/03/2003	14:30	10/03/2003	18:40
A3955504	FS-MW06RK-GW-O	10/03/2003	11:45	10/03/2003	18:40
A3956402	FS-MW07RK-GW-O	10/02/2003	11:45	10/03/2003	09:40
A3956407	FS-MWXX-GW-FD	10/02/2003	15:00	10/03/2003	09:40
A3931202	FS-TRIP02	09/24/2003		09/26/2003	09:15
A3956408	FS-TRIP03	10/02/2003	16:30	10/03/2003	09:40
A3955511	TRIP BLANK	10/03/2003		10/03/2003	18:40

METHODS SUMMARY

Job#: A03-9312,A03-9555,A03-9564

STL Project#: NY3A9078
SDG#: 9312
Site Name: TVGA Consultants

PARAMETER	ANALYTICAL METHOD	
TVGA - EPA ASP 2000 - VOLATILES - W	ASP00	EPA VOA
TVGA - ASP 2000 EPA - SEMIVOLATILES - W	ASP00	EPA SVOA
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W	ASP00	EPA P/PCB
Aluminum - Total	ASP00	CLP-M
Antimony - Total	ASP00	CLP-M
Arsenic - Total	ASP00	CLP-M
Barium - Total	ASP00	CLP-M
Beryllium - Total	ASP00	CLP-M
Cadmium - Total	ASP00	CLP-M
Calcium - Total	ASP00	CLP-M
Chromium - Total	ASP00	CLP-M
Cobalt - Total	ASP00	CLP-M
Copper - Total	ASP00	CLP-M
Iron - Total	ASP00	CLP-M
Lead - Total	ASP00	CLP-M
Magnesium - Total	ASP00	CLP-M
Manganese - Total	ASP00	CLP-M
Mercury - Total	ASP00	CLP-M
Nickel - Total	ASP00	CLP-M
Potassium - Total	ASP00	CLP-M
Selenium - Total	ASP00	CLP-M
Silver - Total	ASP00	CLP-M
Sodium - Total	ASP00	CLP-M
Thallium - Total	ASP00	CLP-M
Vanadium - Total	ASP00	CLP-M
Zinc - Total	ASP00	CLP-M
Cyanide - Total	ASP00	CLP-WC

References:

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

NON-CONFORMANCE SUMMARY

Job#: A03-9312,A03-9555,A03-9564

STL Project#: NY3A9078
SDG#: 9312
Site Name: TVGA Consultants

General Comments

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

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

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

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

Sample Receipt Comments

A03-9312
Sample Cooler(s) were received at the following temperature(s); 12.8 °C
All samples were received at a temperature of >10° C. These samples were analyzed as per instructions from the client. Based on EPA data validation guidelines, all detected concentrations and detection limits should be considered estimated values.

A03-9555
Sample Cooler(s) were received at the following temperature(s); 3@2.0 °C
All samples were received in good condition.

A03-9564
Sample Cooler(s) were received at the following temperature(s); 4@5.0 °C
Point FS-MW04RK-GW-O was not on the COC. The times and dates were taken off of the bottles.

GC/MS Volatile Data

All samples were preserved to a PH less than 2.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank A3B1145002 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike Blank A3B1105301. Since the result was biased high and the analyte was not detected in the samples, no corrective action was required.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike FS-MW02RK-GW-MS and the Matrix Spike Duplicate FS-MW02RK-GW-SD. No corrective action was required.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike Blank A3B1140101 and the Matrix Spike Blank Duplicate A3B1140102. Since the result was biased high and the analyte was not detected in the samples, no corrective action was required.

GC Extractable Data

For method ASP00 Pesticide/PCB, the recovery of surrogate Decachlorobiphenyl in several samples is outside of established quality control limits due to the sample matrix. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

For sample MW10B, the recovery of both surrogate Tetrachloro-m-xylene and Decachlorobiphenyl is outside of established quality control limits due to the sample matrix. This sample is non-detect for all target compounds.

Metals Data

The recovery of sample FS-MW02RK-GW Matrix Spike exhibited results below the quality control limits for Aluminum. However, the LFB was acceptable.

The recovery of sample FS-MW02RK-GW Matrix Spike exhibited results below the quality control limits for Manganese. The sample result is more than four times greater than the spike added. The LFB was acceptable.

The CCB, analyzed at 17:28, exhibited results above the detection limit for Lead. However, the samples were bracketed by compliant CCB's, therefore, no corrective action was necessary.

The relative percent difference between sample FS-MW02RK-GW and the Matrix Duplicate exceed quality control criteria for Aluminum, Iron, Lead and Sodium. However, the LFB was acceptable.

The CCV, analyzed at 17:23, exhibited results below the quality control limits for all analytes. However, the samples were bracketed by compliant CCV's, therefore, no corrective action was necessary.

The CCV, analyzed at 18:00, exhibited results below the quality control limits for all analytes. However, the samples were bracketed by compliant CCV's, therefore, no corrective action was necessary.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

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

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

Ryan T. VanDette
Project Manager

2/3/04
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-MW06-MICRO-GW-0	A3955501	Calcium - Total	5.00	
FS-MW05RK-GW-0	A3955505	Potassium - Total	5.00	
FS-MW05RK-GW-0	A3955505	Sodium - Total	5.00	
FS-198-F-MICRO-GW-0	A3955507	Calcium - Total	5.00	
FS-198-F-MICRO-GW-0	A3955507	Zinc - Total	5.00	
FS-MW02RK-GW-0	A3956401	Potassium - Total	5.00	
FS-MW02RK-GW-0	A3956401	Sodium - Total	5.00	
FS-MW02RK-GW-MD	A3956401MD	Potassium - Total	5.00	
FS-MW02RK-GW-MD	A3956401MD	Sodium - Total	5.00	
FS-MW07RK-GW-0	A3956402	Potassium - Total	5.00	
FS-MW07RK-GW-0	A3956402	Sodium - Total	5.00	
FS-MW020B-GW-0	A3956403	Potassium - Total	20.00	
FS-MW020B-GW-0	A3956403	Sodium - Total	20.00	
FS-MW03RK-GW-0	A3956404	Calcium - Total	20.00	
FS-MW03RK-GW-0	A3956404	Potassium - Total	20.00	
FS-MW03RK-GW-0	A3956404	Sodium - Total	20.00	
FS-MW010B-GW-0	A3956405	Potassium - Total	5.00	
FS-MW010B-GW-0	A3956405	Sodium - Total	5.00	
FS-MW01RK-GW-0	A3956406	Potassium - Total	5.00	
FS-MW01RK-GW-0	A3956406	Sodium - Total	5.00	
FS-MWXX-GW-FD	A3956407	Calcium - Total	20.00	
FS-MWXX-GW-FD	A3956407	Potassium - Total	20.00	
FS-MWXX-GW-FD	A3956407	Sodium - Total	20.00	
FS-MW01RK-GW-0 DL	A3956409DL	EPA SVOA	4.00	008
FS-MW04RK-GW-0	A3956410	Calcium - Total	5.00	
FS-MW04RK-GW-0	A3956410	Potassium - Total	5.00	
FS-MW04RK-GW-0	A3956410	Sodium - Total	5.00	

Dilution Code Definition:

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

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample Data Package

Sample ID: FS-198-E-MICRO-GW-O
Lab Sample ID: A3955508
Date Collected: 10/03/2003
Time Collected: 16:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 20:41	DGP

Sample ID: FS-198-E-MICRO-GW-0
Lab Sample ID: A3955508
Date Collected: 10/03/2003
Time Collected: 16:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Bis(2-ethylhexyl) phthalate	0.6	J	10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM

Sample ID: FS-198-E-MICRO-GW-O
Lab Sample ID: A3955508
Date Collected: 10/03/2003
Time Collected: 16:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASPOO EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:49	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Phenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:49	PM
TVGA - ASPOO EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	6170	N*	18.4	UG/L	CLP-M	10/10/2003 13:45	

Sample ID: FS-198-E-MICRO-GW-0
Lab Sample ID: A3955508
Date Collected: 10/03/2003
Time Collected: 16:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	13.1	B	4.1	UG/L	CLP-M	10/10/2003 13:45	
Arsenic - Total	13.2		3.3	UG/L	CLP-M	10/10/2003 13:45	
Barium - Total	560	E	0.20	UG/L	CLP-M	10/10/2003 13:45	
Beryllium - Total	0.58	B	0.10	UG/L	CLP-M	10/10/2003 13:45	
Cadmium - Total	4.7	B	0.30	UG/L	CLP-M	10/10/2003 13:45	
Calcium - Total	53700		14.4	UG/L	CLP-M	10/10/2003 13:45	
Chromium - Total	25.1	E	0.90	UG/L	CLP-M	10/10/2003 13:45	
Cobalt - Total	7.8	BE	0.70	UG/L	CLP-M	10/10/2003 13:45	
Copper - Total	1130	E	1.7	UG/L	CLP-M	10/10/2003 13:45	
Iron - Total	30600	E*	16.1	UG/L	CLP-M	10/10/2003 13:45	
Lead - Total	942	E*	1.6	UG/L	CLP-M	10/10/2003 13:45	
Magnesium - Total	44200	E	10.1	UG/L	CLP-M	10/10/2003 13:45	
Manganese - Total	566	E	0.20	UG/L	CLP-M	10/10/2003 13:45	
Mercury - Total	0.580		0.055	UG/L	CLP-M	10/07/2003 15:35	
Nickel - Total	50.8	E	0.90	UG/L	CLP-M	10/10/2003 13:45	
Potassium - Total	16400		52.1	UG/L	CLP-M	10/10/2003 13:45	
Selenium - Total	ND		2.8	UG/L	CLP-M	10/10/2003 13:45	
Silver - Total	1.3	B	0.70	UG/L	CLP-M	10/10/2003 13:45	
Sodium - Total	21000	*	250	UG/L	CLP-M	10/10/2003 13:45	
Thallium - Total	4.6	B	3.8	UG/L	CLP-M	10/10/2003 13:45	
Vanadium - Total	10.5	BE	0.80	UG/L	CLP-M	10/10/2003 13:45	
Zinc - Total	2170	E	1.7	UG/L	CLP-M	10/10/2003 13:45	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-198-F-MICRO-GW-0
Lab Sample ID: A3955507
Date Collected: 10/03/2003
Time Collected: 15:50

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 20:12	DGP

Sample ID: FS-198-F-MICRO-GW-0
Lab Sample ID: A3955507
Date Collected: 10/03/2003
Time Collected: 15:50

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Bis(2-ethylhexyl) phthalate	0.3	J	10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM

Sample ID: FS-198-F-MICRO-GW-0
Lab Sample ID: A3955507
Date Collected: 10/03/2003
Time Collected: 15:50

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 19:14	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Phenol	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 19:14	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	8.1	P	0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	41300	N*	18.4	UG/L	CLP-M	10/10/2003 13:30	

Sample ID: FS-198-F-MICRO-GW-0
Lab Sample ID: A3955507
Date Collected: 10/03/2003
Time Collected: 15:50

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	65.3		4.1	UG/L	CLP-M	10/10/2003 13:30	
Arsenic - Total	65.2		3.3	UG/L	CLP-M	10/10/2003 13:30	
Barium - Total	2570	E	0.20	UG/L	CLP-M	10/10/2003 13:30	
Beryllium - Total	3.0	B	0.10	UG/L	CLP-M	10/10/2003 13:30	
Cadmium - Total	22.5		0.30	UG/L	CLP-M	10/10/2003 13:30	
Calcium - Total	491000		72.0	UG/L	CLP-M	10/13/2003 11:09	
Chromium - Total	217	E	0.90	UG/L	CLP-M	10/10/2003 13:30	
Cobalt - Total	53.0	E	0.70	UG/L	CLP-M	10/10/2003 13:30	
Copper - Total	6930	E	1.7	UG/L	CLP-M	10/10/2003 13:30	
Iron - Total	193000	E*	16.1	UG/L	CLP-M	10/10/2003 13:30	
Lead - Total	5610	E*	1.6	UG/L	CLP-M	10/10/2003 13:30	
Magnesium - Total	89700	E	10.1	UG/L	CLP-M	10/10/2003 13:30	
Manganese - Total	11100	E	0.20	UG/L	CLP-M	10/10/2003 13:30	
Mercury - Total	9.8		0.055	UG/L	CLP-M	10/07/2003 15:33	
Nickel - Total	276	E	0.90	UG/L	CLP-M	10/10/2003 13:30	
Potassium - Total	15400		52.1	UG/L	CLP-M	10/10/2003 13:30	
Selenium - Total	18.2	B	2.8	UG/L	CLP-M	10/10/2003 13:30	
Silver - Total	26.2		0.70	UG/L	CLP-M	10/10/2003 13:30	
Sodium - Total	77500	*	250	UG/L	CLP-M	10/10/2003 13:30	
Thallium - Total	23.7		3.8	UG/L	CLP-M	10/10/2003 13:30	
Vanadium - Total	90.9	E	0.80	UG/L	CLP-M	10/10/2003 13:30	
Zinc - Total	16800	E	8.5	UG/L	CLP-M	10/13/2003 11:09	
Wet Chemistry Analysis							
Cyanide - Total	0.015		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-3SSPOON-RB
Lab Sample ID: A3931201
Date Collected: 09/24/2003
Time Collected: 14:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
2-Butanone	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
2-Hexanone	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Acetone	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Benzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Bromoform	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Bromomethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Chlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Chloroethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Chloroform	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Chloromethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Cyclohexane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Ethylbenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Methyl acetate	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Methylene chloride	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Styrene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Toluene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Total Xylenes	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Trichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC
Vinyl chloride	ND		10	UG/L	EPA VOA	10/04/2003 17:30	CDC

Sample ID: FS-3SSPOON-RB
Lab Sample ID: A3931201
Date Collected: 09/24/2003
Time Collected: 14:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4,5-Trichlorophenol	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4-Dinitrophenol	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Nitroaniline	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
3-Nitroaniline	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
4,6-Dinitro-2-methylphenol	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Chloro-3-methylphenol	0.6	J	10	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Nitroaniline	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
4-Nitrophenol	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Bis(2-ethylhexyl) phthalate	0.5	J	10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Di-n-butyl phthalate	0.7	J	10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM

Sample ID: FS-3SSPOON-RB
Lab Sample ID: A3931201
Date Collected: 09/24/2003
Time Collected: 14:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Pentachlorophenol	ND		25	UG/L	EPA SVOA	10/08/2003 12:22	PM
Phenanthrene	0.4	J	10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Phenol	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 12:22	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
4,4'-DDE	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
4,4'-DDT	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Aldrin	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
alpha-BHC	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
alpha-Chlordane	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1016	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1221	ND		2.0	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1232	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1242	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1248	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1254	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
Aroclor 1260	ND		0.98	UG/L	EPA P/PCB	10/03/2003	
beta-BHC	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
delta-BHC	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Dieldrin	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Endosulfan I	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Endosulfan II	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Endosulfan Sulfate	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Endrin	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Endrin aldehyde	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
Endrin ketone	ND		0.098	UG/L	EPA P/PCB	10/03/2003	
gamma-BHC (Lindane)	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
gamma-Chlordane	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Heptachlor	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Heptachlor epoxide	ND		0.049	UG/L	EPA P/PCB	10/03/2003	
Methoxychlor	ND		0.49	UG/L	EPA P/PCB	10/03/2003	
Toxaphene	ND		4.9	UG/L	EPA P/PCB	10/03/2003	
Metals Analysis							
Aluminum - Total	92.9	B	18.4	UG/L	CLP-M	10/01/2003 13:42	

Sample ID: FS-3SSPOON-RB
Lab Sample ID: A3931201
Date Collected: 09/24/2003
Time Collected: 14:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/01/2003 13:42	
Arsenic - Total	ND		3.3	UG/L	CLP-M	10/01/2003 13:42	
Barium - Total	9.1	B	0.20	UG/L	CLP-M	10/01/2003 13:42	
Beryllium - Total	0.23	B	0.10	UG/L	CLP-M	10/01/2003 13:42	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/01/2003 13:42	
Calcium - Total	280	B	14.4	UG/L	CLP-M	10/01/2003 13:42	
Chromium - Total	ND		0.90	UG/L	CLP-M	10/01/2003 13:42	
Cobalt - Total	ND		0.70	UG/L	CLP-M	10/01/2003 13:42	
Copper - Total	ND		1.7	UG/L	CLP-M	10/01/2003 13:42	
Iron - Total	206		16.1	UG/L	CLP-M	10/01/2003 13:42	
Lead - Total	ND		1.6	UG/L	CLP-M	10/01/2003 13:42	
Magnesium - Total	30.6	B	10.1	UG/L	CLP-M	10/01/2003 13:42	
Manganese - Total	3.6	B	0.20	UG/L	CLP-M	10/01/2003 13:42	
Mercury - Total	ND		0.055	UG/L	CLP-M	10/02/2003 14:46	AJY
Nickel - Total	1.3	B	0.90	UG/L	CLP-M	10/01/2003 13:42	
Potassium - Total	55.5	B	52.1	UG/L	CLP-M	10/01/2003 13:42	
Selenium - Total	3.2	B	2.8	UG/L	CLP-M	10/01/2003 13:42	
Silver - Total	0.71	B	0.70	UG/L	CLP-M	10/01/2003 13:42	
Sodium - Total	524	B	250	UG/L	CLP-M	10/01/2003 13:42	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/01/2003 13:42	
Vanadium - Total	ND		0.80	UG/L	CLP-M	10/01/2003 13:42	
Zinc - Total	6.8	B	1.7	UG/L	CLP-M	10/01/2003 13:42	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/02/2003 18:01	JMS

Sample ID: FS-MICRO-1-GW-0
Lab Sample ID: A3955509
Date Collected: 10/03/2003
Time Collected: 17:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 21:10	DGP

Sample ID: FS-MICRO-1-GW-0
Lab Sample ID: A3955509
Date Collected: 10/03/2003
Time Collected: 17:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4,6-Trichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4-Dichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4-Dimethylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,4-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2,6-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Chloronaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Chlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Methylnaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
2-Nitrophenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
3,3'-Dichlorobenzidine	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Bromophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Chloro-3-methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Chloroaniline	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Chlorophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
Acenaphthene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Acenaphthylene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Acetophenone	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Atrazine	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzaldehyde	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzo(a)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzo(a)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzo(b)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzo(ghi)perylene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Benzo(k)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Biphenyl	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Bis(2-chloroethoxy) methane	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Bis(2-chloroethyl) ether	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Bis(2-ethylhexyl) phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Butyl benzyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Caprolactam	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Carbazole	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Chrysene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Di-n-butyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Di-n-octyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Dibenzo(a,h)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Dibenzofuran	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Diethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Dimethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM

Sample ID: FS-MICRO-1-GW-0
Lab Sample ID: A3955509
Date Collected: 10/03/2003
Time Collected: 17:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Fluorene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Hexachlorobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Hexachlorobutadiene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Hexachlorocyclopentadiene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Hexachloroethane	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Indeno(1,2,3-cd)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Isophorone	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
N-Nitroso-Di-n-propylamine	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
N-nitrosodiphenylamine	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Naphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Nitrobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 20:23	PM
Phenanthrene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Phenol	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
Pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 20:23	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	38800	N*	18.4	UG/L	CLP-M	10/10/2003 13:56	

Sample ID: FS-MICRO-1-GW-0
Lab Sample ID: A3955509
Date Collected: 10/03/2003
Time Collected: 17:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	24.6	B	4.1	UG/L	CLP-M	10/10/2003 13:56	
Arsenic - Total	64.5		3.3	UG/L	CLP-M	10/10/2003 13:56	
Barium - Total	871	E	0.20	UG/L	CLP-M	10/10/2003 13:56	
Beryllium - Total	2.6	B	0.10	UG/L	CLP-M	10/10/2003 13:56	
Cadmium - Total	3.4	B	0.30	UG/L	CLP-M	10/10/2003 13:56	
Calcium - Total	265000		14.4	UG/L	CLP-M	10/10/2003 13:56	
Chromium - Total	93.2	E	0.90	UG/L	CLP-M	10/10/2003 13:56	
Cobalt - Total	49.1	BE	0.70	UG/L	CLP-M	10/10/2003 13:56	
Copper - Total	1170	E	1.7	UG/L	CLP-M	10/10/2003 13:56	
Iron - Total	101000	E*	16.1	UG/L	CLP-M	10/10/2003 13:56	
Lead - Total	2570	E*	1.6	UG/L	CLP-M	10/10/2003 13:56	
Magnesium - Total	55700	E	10.1	UG/L	CLP-M	10/10/2003 13:56	
Manganese - Total	5870	E	0.20	UG/L	CLP-M	10/10/2003 13:56	
Mercury - Total	3.6		0.055	UG/L	CLP-M	10/07/2003 15:36	
Nickel - Total	118	E	0.90	UG/L	CLP-M	10/10/2003 13:56	
Potassium - Total	13600		52.1	UG/L	CLP-M	10/10/2003 13:56	
Selenium - Total	11.1	B	2.8	UG/L	CLP-M	10/10/2003 13:56	
Silver - Total	2.6	B	0.70	UG/L	CLP-M	10/10/2003 13:56	
Sodium - Total	63300	*	250	UG/L	CLP-M	10/10/2003 13:56	
Thallium - Total	14.0		3.8	UG/L	CLP-M	10/10/2003 13:56	
Vanadium - Total	69.3	E	0.80	UG/L	CLP-M	10/10/2003 13:56	
Zinc - Total	2320	E	1.7	UG/L	CLP-M	10/10/2003 13:56	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW010B-GW-0
Lab Sample ID: A3956405
Date Collected: 10/02/2003
Time Collected: 15:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 23:07	DGP

Sample ID: FS-MW010B-GW-0
Lab Sample ID: A3956405
Date Collected: 10/02/2003
Time Collected: 15:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4,5-Trichlorophenol	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4,6-Trichlorophenol	0.5	J	10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4-Dinitrophenol	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
3-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
4,6-Dinitro-2-methylphenol	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Methylphenol	0.4	J	10	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
4-Nitrophenol	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Bis(2-ethylhexyl) phthalate	3	BJ	10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM

Sample ID: FS-MW010B-GW-0
Lab Sample ID: A3956405
Date Collected: 10/02/2003
Time Collected: 15:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Naphthalene	0.4	J	10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Pentachlorophenol	ND		26	UG/L	EPA SVOA	10/09/2003 19:30	PM
Phenanthrene	0.8	J	10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Phenol	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 19:30	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	17600	N*	18.4	UG/L	CLP-M	10/10/2003 15:10	

Sample ID: FS-MW010B-GW-0
Lab Sample ID: A3956405
Date Collected: 10/02/2003
Time Collected: 15:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	28.1	B	4.1	UG/L	CLP-M	10/10/2003 15:10	
Arsenic - Total	36.6		3.3	UG/L	CLP-M	10/10/2003 15:10	
Barium - Total	751	E	0.20	UG/L	CLP-M	10/10/2003 15:10	
Beryllium - Total	1.5	B	0.10	UG/L	CLP-M	10/10/2003 15:10	
Cadmium - Total	5.8		0.30	UG/L	CLP-M	10/10/2003 15:10	
Calcium - Total	173000		14.4	UG/L	CLP-M	10/10/2003 15:10	
Chromium - Total	54.6	E	0.90	UG/L	CLP-M	10/10/2003 15:10	
Cobalt - Total	22.3	BE	0.70	UG/L	CLP-M	10/10/2003 15:10	
Copper - Total	2540	E	1.7	UG/L	CLP-M	10/10/2003 15:10	
Iron - Total	75200	E*	16.1	UG/L	CLP-M	10/10/2003 15:10	
Lead - Total	3130	E*	1.6	UG/L	CLP-M	10/10/2003 15:10	
Magnesium - Total	41000	E	10.1	UG/L	CLP-M	10/10/2003 15:10	
Manganese - Total	1670	E	0.20	UG/L	CLP-M	10/10/2003 15:10	
Mercury - Total	5.8		0.055	UG/L	CLP-M	10/07/2003 15:49	
Nickel - Total	75.0	E	0.90	UG/L	CLP-M	10/10/2003 15:10	
Potassium - Total	26400		260	UG/L	CLP-M	10/13/2003 12:04	
Selenium - Total	9.8	B	2.8	UG/L	CLP-M	10/10/2003 15:10	
Silver - Total	4.0	B	0.70	UG/L	CLP-M	10/10/2003 15:10	
Sodium - Total	203000	*	1250	UG/L	CLP-M	10/13/2003 12:04	
Thallium - Total	6.0	B	3.8	UG/L	CLP-M	10/10/2003 15:10	
Vanadium - Total	28.6	BE	0.80	UG/L	CLP-M	10/10/2003 15:10	
Zinc - Total	4940	E	1.7	UG/L	CLP-M	10/10/2003 15:10	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3955506
Date Collected: 10/03/2003
Time Collected: 14:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4,6-Trichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4-Dichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4-Dimethylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,4-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2,6-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Chloronaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Chlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Methylnaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
2-Nitrophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
3,3'-Dichlorobenzidine	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Bromophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Chloro-3-methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Chloroaniline	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Chlorophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
Acenaphthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Acenaphthylene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Acetophenone	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Atrazine	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzaldehyde	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzo(a)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzo(a)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzo(b)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzo(ghi)perylene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Benzo(k)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Biphenyl	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Bis(2-chloroethoxy) methane	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Bis(2-chloroethyl) ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Bis(2-ethylhexyl) phthalate	0.7	J	9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Butyl benzyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Caprolactam	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Carbazole	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Chrysene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Di-n-butyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Di-n-octyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Dibenzo(a,h)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Dibenzofuran	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Diethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Dimethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3955506
Date Collected: 10/03/2003
Time Collected: 14:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Fluorene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Hexachlorobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Hexachlorobutadiene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Hexachlorocyclopentadiene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Hexachloroethane	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Indeno(1,2,3-cd)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Isophorone	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
N-Nitroso-Di-n-propylamine	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
N-nitrosodiphenylamine	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Naphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Nitrobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Pentachlorophenol	29		24	UG/L	EPA SVOA	10/08/2003 18:40	PM
Phenanthrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Phenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
Pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:40	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/16/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/16/2003	

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3956406
Date Collected: 10/02/2003
Time Collected: 16:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Chloroform	2	J	10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 23:36	DGP

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3956406
Date Collected: 10/02/2003
Time Collected: 16:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Aluminum - Total	382	N*	18.4	UG/L	CLP-M	10/10/2003 15:15	
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 15:15	
Arsenic - Total	ND		3.3	UG/L	CLP-M	10/10/2003 15:15	
Barium - Total	50.2	BE	0.20	UG/L	CLP-M	10/10/2003 15:15	
Beryllium - Total	0.25	B	0.10	UG/L	CLP-M	10/10/2003 15:15	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 15:15	
Calcium - Total	187000		14.4	UG/L	CLP-M	10/10/2003 15:15	
Chromium - Total	ND	E	0.90	UG/L	CLP-M	10/10/2003 15:15	
Cobalt - Total	3.0	BE	0.70	UG/L	CLP-M	10/10/2003 15:15	
Copper - Total	6.3	BE	1.7	UG/L	CLP-M	10/10/2003 15:15	
Iron - Total	482	E*	16.1	UG/L	CLP-M	10/10/2003 15:15	
Lead - Total	3.4	E*	1.6	UG/L	CLP-M	10/10/2003 15:15	
Magnesium - Total	22900	E	10.1	UG/L	CLP-M	10/10/2003 15:15	
Manganese - Total	101	E	0.20	UG/L	CLP-M	10/10/2003 15:15	
Mercury - Total	ND		0.055	UG/L	CLP-M	10/07/2003 15:50	
Nickel - Total	5.6	BE	0.90	UG/L	CLP-M	10/10/2003 15:15	
Potassium - Total	7450	B	260	UG/L	CLP-M	10/13/2003 12:09	
Selenium - Total	5.2	B	2.8	UG/L	CLP-M	10/10/2003 15:15	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 15:15	
Sodium - Total	121000	*	1250	UG/L	CLP-M	10/13/2003 12:09	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/10/2003 15:15	
Vanadium - Total	0.93	BE	0.80	UG/L	CLP-M	10/10/2003 15:15	
Zinc - Total	24.3	E	1.7	UG/L	CLP-M	10/10/2003 15:15	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3956409
Date Collected: 10/02/2003
Time Collected: 18:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4,5-Trichlorophenol	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4,6-Trichlorophenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4-Dichlorophenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4-Dimethylphenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4-Dinitrophenol	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,4-Dinitrotoluene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2,6-Dinitrotoluene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Chloronaphthalene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Chlorophenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Methylnaphthalene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Methylphenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Nitroaniline	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
2-Nitrophenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
3,3'-Dichlorobenzidine	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
3-Nitroaniline	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
4,6-Dinitro-2-methylphenol	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Bromophenyl phenyl ether	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Chloro-3-methylphenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Chloroaniline	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Chlorophenyl phenyl ether	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Methylphenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Nitroaniline	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
4-Nitrophenol	ND		36	UG/L	EPA SVOA	10/09/2003 20:38	PM
Acenaphthene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Acenaphthylene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Acetophenone	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Anthracene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Atrazine	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzaldehyde	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzo(a)anthracene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzo(a)pyrene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzo(b)fluoranthene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzo(ghi)perylene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Benzo(k)fluoranthene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Biphenyl	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Bis(2-chloroethoxy) methane	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Bis(2-chloroethyl) ether	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Bis(2-ethylhexyl) phthalate	0.8	BJ	14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Butyl benzyl phthalate	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Caprolactam	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Carbazole	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Chrysene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Di-n-butyl phthalate	1	J	14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Di-n-octyl phthalate	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Dibenzo(a,h)anthracene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Dibenzofuran	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Diethyl phthalate	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Dimethyl phthalate	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM

Sample ID: FS-MW01RK-GW-0
Lab Sample ID: A3956409
Date Collected: 10/02/2003
Time Collected: 18:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Fluorene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Hexachlorobenzene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Hexachlorobutadiene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Hexachlorocyclopentadiene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Hexachloroethane	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Indeno(1,2,3-cd)pyrene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Isophorone	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
N-Nitroso-Di-n-propylamine	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
N-nitrosodiphenylamine	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Naphthalene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Nitrobenzene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Pentachlorophenol	220	E	36	UG/L	EPA SVOA	10/09/2003 20:38	PM
Phenanthrene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Phenol	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM
Pyrene	ND		14	UG/L	EPA SVOA	10/09/2003 20:38	PM

Sample ID: FS-MW01RK-GW-0 DL
Lab Sample ID: A3956409DL
Date Collected: 10/02/2003
Time Collected: 18:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4,5-Trichlorophenol	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4,6-Trichlorophenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4-Dichlorophenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4-Dimethylphenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4-Dinitrophenol	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,4-Dinitrotoluene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2,6-Dinitrotoluene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Chloronaphthalene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Chlorophenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Methylnaphthalene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Methylphenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Nitroaniline	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
2-Nitrophenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
3,3'-Dichlorobenzidine	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
3-Nitroaniline	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
4,6-Dinitro-2-methylphenol	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Bromophenyl phenyl ether	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Chloro-3-methylphenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Chloroaniline	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Chlorophenyl phenyl ether	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Methylphenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Nitroaniline	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
4-Nitrophenol	ND		140	UG/L	EPA SVOA	10/16/2003 08:55	PM
Acenaphthene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Acenaphthylene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Acetophenone	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Anthracene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Atrazine	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzaldehyde	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzo(a)anthracene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzo(a)pyrene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzo(b)fluoranthene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzo(ghi)perylene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Benzo(k)fluoranthene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Biphenyl	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Bis(2-chloroethoxy) methane	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Bis(2-chloroethyl) ether	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Bis(2-ethylhexyl) phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Butyl benzyl phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Caprolactam	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Carbazole	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Chrysene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Di-n-butyl phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Di-n-octyl phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Dibenzo(a,h)anthracene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Dibenzofuran	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Diethyl phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Dimethyl phthalate	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM

Sample ID: FS-MW01RK-GW-0 DL
Lab Sample ID: A3956409DL
Date Collected: 10/02/2003
Time Collected: 18:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Fluorene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Hexachlorobenzene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Hexachlorobutadiene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Hexachlorocyclopentadiene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Hexachloroethane	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Indeno(1,2,3-cd)pyrene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Isophorone	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
N-Nitroso-Di-n-propylamine	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
N-nitrosodiphenylamine	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Naphthalene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Nitrobenzene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Pentachlorophenol	200	D	140	UG/L	EPA SVOA	10/16/2003 08:55	PM
Phenanthrene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Phenol	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM
Pyrene	ND		57	UG/L	EPA SVOA	10/16/2003 08:55	PM

Sample ID: FS-MW020B-GW-0
Lab Sample ID: A3956403
Date Collected: 10/02/2003
Time Collected: 12:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Acetone	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Benzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Styrene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Toluene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/11/2003 01:04	DGP

Sample ID: FS-MW020B-GW-0
Lab Sample ID: A3956403
Date Collected: 10/02/2003
Time Collected: 12:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4,5-Trichlorophenol	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4,6-Trichlorophenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4-Dichlorophenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4-Dimethylphenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4-Dinitrophenol	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,4-Dinitrotoluene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2,6-Dinitrotoluene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Chloronaphthalene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Chlorophenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Methylnaphthalene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Methylphenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Nitroaniline	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
2-Nitrophenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
3,3'-Dichlorobenzidine	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
3-Nitroaniline	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
4,6-Dinitro-2-methylphenol	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Bromophenyl phenyl ether	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Chloro-3-methylphenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Chloroaniline	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Chlorophenyl phenyl ether	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Methylphenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Nitroaniline	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
4-Nitrophenol	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
Acenaphthene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Acenaphthylene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Acetophenone	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Anthracene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Atrazine	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzaldehyde	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzo(a)anthracene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzo(a)pyrene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzo(b)fluoranthene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzo(ghi)perylene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Benzo(k)fluoranthene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Biphenyl	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Bis(2-chloroethoxy) methane	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Bis(2-chloroethyl) ether	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Bis(2-ethylhexyl) phthalate	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Butyl benzyl phthalate	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Caprolactam	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Carbazole	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Chrysene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Di-n-butyl phthalate	0.6	J	12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Di-n-octyl phthalate	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Dibenzo(a,h)anthracene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Dibenzofuran	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Diethyl phthalate	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Dimethyl phthalate	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM

Sample ID: FS-MW020B-GW-0
Lab Sample ID: A3956403
Date Collected: 10/02/2003
Time Collected: 12:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Fluorene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Hexachlorobenzene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Hexachlorobutadiene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Hexachlorocyclopentadiene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Hexachloroethane	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Indeno(1,2,3-cd)pyrene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Isophorone	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
N-Nitroso-Di-n-propylamine	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
N-nitrosodiphenylamine	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Naphthalene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Nitrobenzene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Pentachlorophenol	ND		31	UG/L	EPA SVOA	10/09/2003 18:21	PM
Phenanthrene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Phenol	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
Pyrene	ND		12	UG/L	EPA SVOA	10/09/2003 18:21	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	0.021	J	0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	0.13	JP	0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	226000	N*	18.4	UG/L	CLP-M	10/10/2003 15:01	

Sample ID: FS-MW020B-GW-0
Lab Sample ID: A3956403
Date Collected: 10/02/2003
Time Collected: 12:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	12.5	B	4.1	UG/L	CLP-M	10/10/2003 15:01	
Arsenic - Total	67.3		3.3	UG/L	CLP-M	10/10/2003 15:01	
Barium - Total	1960	E	0.20	UG/L	CLP-M	10/10/2003 15:01	
Beryllium - Total	12.9		0.10	UG/L	CLP-M	10/10/2003 15:01	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 15:01	
Calcium - Total	296000		14.4	UG/L	CLP-M	10/10/2003 15:01	
Chromium - Total	337	E	0.90	UG/L	CLP-M	10/10/2003 15:01	
Cobalt - Total	178	E	0.70	UG/L	CLP-M	10/10/2003 15:01	
Copper - Total	243	E	1.7	UG/L	CLP-M	10/10/2003 15:01	
Iron - Total	251000	E*	16.1	UG/L	CLP-M	10/10/2003 15:01	
Lead - Total	321	E*	1.6	UG/L	CLP-M	10/10/2003 15:01	
Magnesium - Total	80500	E	10.1	UG/L	CLP-M	10/10/2003 15:01	
Manganese - Total	16800	E	0.20	UG/L	CLP-M	10/10/2003 15:01	
Mercury - Total	2.1		0.055	UG/L	CLP-M	10/07/2003 15:46	
Nickel - Total	416	E	0.90	UG/L	CLP-M	10/10/2003 15:01	
Potassium - Total	59500	B	1040	UG/L	CLP-M	10/13/2003 11:54	
Selenium - Total	13.5	B	2.8	UG/L	CLP-M	10/10/2003 15:01	
Silver - Total	1.4	B	0.70	UG/L	CLP-M	10/10/2003 15:01	
Sodium - Total	774000	*	5010	UG/L	CLP-M	10/13/2003 11:54	
Thallium - Total	22.5		3.8	UG/L	CLP-M	10/10/2003 15:01	
Vanadium - Total	204	E	0.80	UG/L	CLP-M	10/10/2003 15:01	
Zinc - Total	1020	E	1.7	UG/L	CLP-M	10/10/2003 15:01	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW02RK-GW-0
Lab Sample ID: A3956401
Date Collected: 10/02/2003
Time Collected: 10:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 21:39	DGP

Sample ID: FS-MW02RK-GW-0
Lab Sample ID: A3956401
Date Collected: 10/02/2003
Time Collected: 10:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4,5-Trichlorophenol	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4-Dinitrophenol	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
3-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
4,6-Dinitro-2-methylphenol	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
4-Nitrophenol	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Bis(2-ethylhexyl) phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Di-n-butyl phthalate	0.7	J	10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM

Sample ID: FS-MW02RK-GW-0
Lab Sample ID: A3956401
Date Collected: 10/02/2003
Time Collected: 10:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Pentachlorophenol	ND		25	UG/L	EPA SVOA	10/09/2003 16:03	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Phenol	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 16:03	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Aldrin	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
alpha-BHC	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		2.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		1.0	UG/L	EPA P/PCB	10/16/2003	
beta-BHC	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
delta-BHC	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Dieldrin	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Endosulfan I	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Endosulfan II	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Endrin	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
Endrin ketone	ND		0.10	UG/L	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Heptachlor	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		0.050	UG/L	EPA P/PCB	10/16/2003	
Methoxychlor	ND		0.50	UG/L	EPA P/PCB	10/16/2003	
Toxaphene	ND		5.0	UG/L	EPA P/PCB	10/16/2003	
Metals Analysis							
Aluminum - Total	7030	N*	18.4	UG/L	CLP-M	10/10/2003 14:01	

Sample ID: FS-MW02RK-GW-0
Lab Sample ID: A3956401
Date Collected: 10/02/2003
Time Collected: 10:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 14:01	
Arsenic - Total	6.0	B	3.3	UG/L	CLP-M	10/10/2003 14:01	
Barium - Total	74.4	BE	0.20	UG/L	CLP-M	10/10/2003 14:01	
Beryllium - Total	1.1	B	0.10	UG/L	CLP-M	10/10/2003 14:01	
Cadmium - Total	0.84	B	0.30	UG/L	CLP-M	10/10/2003 14:01	
Calcium - Total	320000		14.4	UG/L	CLP-M	10/10/2003 14:01	
Chromium - Total	8.5	BE	0.90	UG/L	CLP-M	10/10/2003 14:01	
Cobalt - Total	27.6	BE	0.70	UG/L	CLP-M	10/10/2003 14:01	
Copper - Total	29.7	E	1.7	UG/L	CLP-M	10/10/2003 14:01	
Iron - Total	12700	E*	16.1	UG/L	CLP-M	10/10/2003 14:01	
Lead - Total	9.7	E*	1.6	UG/L	CLP-M	10/10/2003 14:01	
Magnesium - Total	46300	E	10.1	UG/L	CLP-M	10/10/2003 14:01	
Manganese - Total	6310	E	0.20	UG/L	CLP-M	10/10/2003 14:01	
Mercury - Total	ND		0.055	UG/L	CLP-M	10/07/2003 15:37	
Nickel - Total	54.7	E	0.90	UG/L	CLP-M	10/10/2003 14:01	
Potassium - Total	16200	B	260	UG/L	CLP-M	10/13/2003 11:14	
Selenium - Total	6.1	B	2.8	UG/L	CLP-M	10/10/2003 14:01	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 14:01	
Sodium - Total	265000	*	1250	UG/L	CLP-M	10/13/2003 11:14	
Thallium - Total	4.6	B	3.8	UG/L	CLP-M	10/10/2003 14:01	
Vanadium - Total	8.5	BE	0.80	UG/L	CLP-M	10/10/2003 14:01	
Zinc - Total	79.3	E	1.7	UG/L	CLP-M	10/10/2003 14:01	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW03RK-GW-0
Lab Sample ID: A3956404
Date Collected: 10/02/2003
Time Collected: 14:20

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 22:38	DGP

Sample ID: FS-MW03RK-GW-0
Lab Sample ID: A3956404
Date Collected: 10/02/2003
Time Collected: 14:20

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4,5-Trichlorophenol	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4,6-Trichlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4-Dichlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4-Dimethylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4-Dinitrophenol	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,4-Dinitrotoluene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2,6-Dinitrotoluene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Chloronaphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Chlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Methylnaphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Nitroaniline	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
2-Nitrophenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
3,3'-Dichlorobenzidine	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
3-Nitroaniline	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
4,6-Dinitro-2-methylphenol	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Bromophenyl phenyl ether	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Chloro-3-methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Chloroaniline	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Chlorophenyl phenyl ether	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Nitroaniline	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
4-Nitrophenol	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
Acenaphthene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Acenaphthylene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Acetophenone	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Atrazine	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzaldehyde	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzo(a)anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzo(a)pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzo(b)fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzo(ghi)perylene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Benzo(k)fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Biphenyl	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Bis(2-chloroethoxy) methane	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Bis(2-chloroethyl) ether	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Bis(2-ethylhexyl) phthalate	1	BJ	11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Butyl benzyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Caprolactam	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Carbazole	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Chrysene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Di-n-butyl phthalate	0.6	J	11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Di-n-octyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Dibenzo(a,h)anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Dibenzofuran	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Diethyl phthalate	0.8	J	11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Dimethyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM

Sample ID: FS-MW03RK-GW-0
Lab Sample ID: A3956404
Date Collected: 10/02/2003
Time Collected: 14:20

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Fluorene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Hexachlorobenzene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Hexachlorobutadiene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Hexachlorocyclopentadiene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Hexachloroethane	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Indeno(1,2,3-cd)pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Isophorone	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
N-Nitroso-Di-n-propylamine	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
N-nitrosodiphenylamine	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Naphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Nitrobenzene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Pentachlorophenol	ND		28	UG/L	EPA SVOA	10/09/2003 18:55	PM
Phenanthrene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Phenol	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
Pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 18:55	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	3580	N*	18.4	UG/L	CLP-M	10/10/2003 15:06	

Sample ID: FS-MW03RK-GW-0
Lab Sample ID: A3956404
Date Collected: 10/02/2003
Time Collected: 14:20

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 15:06	
Arsenic - Total	7.0	B	3.3	UG/L	CLP-M	10/10/2003 15:06	
Barium - Total	149	BE	0.20	UG/L	CLP-M	10/10/2003 15:06	
Beryllium - Total	0.62	B	0.10	UG/L	CLP-M	10/10/2003 15:06	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 15:06	
Calcium - Total	425000		288	UG/L	CLP-M	10/13/2003 11:59	
Chromium - Total	3.7	BE	0.90	UG/L	CLP-M	10/10/2003 15:06	
Cobalt - Total	3.1	BE	0.70	UG/L	CLP-M	10/10/2003 15:06	
Copper - Total	24.0	BE	1.7	UG/L	CLP-M	10/10/2003 15:06	
Iron - Total	7750	E*	16.1	UG/L	CLP-M	10/10/2003 15:06	
Lead - Total	5.5	E*	1.6	UG/L	CLP-M	10/10/2003 15:06	
Magnesium - Total	52500	E	10.1	UG/L	CLP-M	10/10/2003 15:06	
Manganese - Total	1440	E	0.20	UG/L	CLP-M	10/10/2003 15:06	
Mercury - Total	0.075	B	0.055	UG/L	CLP-M	10/07/2003 15:47	
Nickel - Total	9.1	BE	0.90	UG/L	CLP-M	10/10/2003 15:06	
Potassium - Total	25600	B	1040	UG/L	CLP-M	10/13/2003 11:59	
Selenium - Total	ND		2.8	UG/L	CLP-M	10/10/2003 15:06	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 15:06	
Sodium - Total	636000	*	5010	UG/L	CLP-M	10/13/2003 11:59	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/10/2003 15:06	
Vanadium - Total	6.0	BE	0.80	UG/L	CLP-M	10/10/2003 15:06	
Zinc - Total	37.5	E	1.7	UG/L	CLP-M	10/10/2003 15:06	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW04RK-GW-0
Lab Sample ID: A3956410
Date Collected: 10/02/2003
Time Collected: 18:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Acetone	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Benzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Styrene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Toluene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/11/2003 00:35	DGP

Sample ID: FS-MW04RK-GW-0
Lab Sample ID: A3956410
Date Collected: 10/02/2003
Time Collected: 18:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4,5-Trichlorophenol	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4,6-Trichlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4-Dichlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4-Dimethylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4-Dinitrophenol	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,4-Dinitrotoluene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2,6-Dinitrotoluene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Chloronaphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Chlorophenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Methylnaphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Nitroaniline	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
2-Nitrophenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
3,3'-Dichlorobenzidine	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
3-Nitroaniline	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
4,6-Dinitro-2-methylphenol	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Bromophenyl phenyl ether	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Chloro-3-methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Chloroaniline	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Chlorophenyl phenyl ether	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Methylphenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Nitroaniline	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
4-Nitrophenol	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
Acenaphthene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Acenaphthylene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Acetophenone	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Atrazine	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzaldehyde	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzo(a)anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzo(a)pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzo(b)fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzo(ghi)perylene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Benzo(k)fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Biphenyl	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Bis(2-chloroethoxy) methane	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Bis(2-chloroethyl) ether	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Bis(2-ethylhexyl) phthalate	0.4	BJ	11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Butyl benzyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Caprolactam	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Carbazole	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Chrysene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Di-n-butyl phthalate	0.6	J	11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Di-n-octyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Dibenzo(a,h)anthracene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Dibenzofuran	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Diethyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Dimethyl phthalate	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM

Sample ID: FS-MW04RK-GW-0
Lab Sample ID: A3956410
Date Collected: 10/02/2003
Time Collected: 18:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Fluorene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Hexachlorobenzene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Hexachlorobutadiene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Hexachlorocyclopentadiene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Hexachloroethane	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Indeno(1,2,3-cd)pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Isophorone	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
N-Nitroso-Di-n-propylamine	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
N-nitrosodiphenylamine	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Naphthalene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Nitrobenzene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Pentachlorophenol	ND		27	UG/L	EPA SVOA	10/09/2003 21:13	PM
Phenanthrene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Phenol	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
Pyrene	ND		11	UG/L	EPA SVOA	10/09/2003 21:13	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		0.94	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.094	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.047	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.47	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		4.7	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	40500	N*	18.4	UG/L	CLP-M	10/10/2003 15:24	

Sample ID: FS-MW04RK-GW-0
Lab Sample ID: A3956410
Date Collected: 10/02/2003
Time Collected: 18:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 15:24	
Arsenic - Total	34.9		3.3	UG/L	CLP-M	10/10/2003 15:24	
Barium - Total	469	E	0.20	UG/L	CLP-M	10/10/2003 15:24	
Beryllium - Total	2.4	B	0.10	UG/L	CLP-M	10/10/2003 15:24	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 15:24	
Calcium - Total	507000		72.0	UG/L	CLP-M	10/13/2003 12:29	
Chromium - Total	47.3	E	0.90	UG/L	CLP-M	10/10/2003 15:24	
Cobalt - Total	43.4	BE	0.70	UG/L	CLP-M	10/10/2003 15:24	
Copper - Total	228	E	1.7	UG/L	CLP-M	10/10/2003 15:24	
Iron - Total	71200	E*	16.1	UG/L	CLP-M	10/10/2003 15:24	
Lead - Total	49.0	E*	1.6	UG/L	CLP-M	10/10/2003 15:24	
Magnesium - Total	79100	E	10.1	UG/L	CLP-M	10/10/2003 15:24	
Manganese - Total	3850	E	0.20	UG/L	CLP-M	10/10/2003 15:24	
Mercury - Total	0.192	B	0.055	UG/L	CLP-M	10/07/2003 15:53	
Nickel - Total	81.0	E	0.90	UG/L	CLP-M	10/10/2003 15:24	
Potassium - Total	14800	B	260	UG/L	CLP-M	10/13/2003 12:29	
Selenium - Total	6.2	B	2.8	UG/L	CLP-M	10/10/2003 15:24	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 15:24	
Sodium - Total	169000	*	1250	UG/L	CLP-M	10/13/2003 12:29	
Thallium - Total	8.8	B	3.8	UG/L	CLP-M	10/10/2003 15:24	
Vanadium - Total	59.2	E	0.80	UG/L	CLP-M	10/10/2003 15:24	
Zinc - Total	298	E	1.7	UG/L	CLP-M	10/10/2003 15:24	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW05RK-GW-0
Lab Sample ID: A3955505
Date Collected: 10/03/2003
Time Collected: 14:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 19:42	DGP

Sample ID: FS-MW05RK-GW-0
Lab Sample ID: A3955505
Date Collected: 10/03/2003
Time Collected: 14:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4,6-Trichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4-Dichlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4-Dimethylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,4-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2,6-Dinitrotoluene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Chloronaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Chlorophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Methylnaphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
2-Nitrophenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
3,3'-Dichlorobenzidine	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Bromophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Chloro-3-methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Chloroaniline	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Chlorophenyl phenyl ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Methylphenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
Acenaphthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Acenaphthylene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Acetophenone	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Atrazine	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzaldehyde	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzo(a)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzo(a)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzo(b)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzo(ghi)perylene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Benzo(k)fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Biphenyl	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Bis(2-chloroethoxy) methane	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Bis(2-chloroethyl) ether	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Bis(2-ethylhexyl) phthalate	0.7	J	9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Butyl benzyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Caprolactam	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Carbazole	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Chrysene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Di-n-butyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Di-n-octyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Dibenzo(a,h)anthracene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Dibenzofuran	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Diethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Dimethyl phthalate	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM

Sample ID: FS-MW05RK-GW-0
Lab Sample ID: A3955505
Date Collected: 10/03/2003
Time Collected: 14:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Fluorene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Hexachlorobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Hexachlorobutadiene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Hexachlorocyclopentadiene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Hexachloroethane	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Indeno(1,2,3-cd)pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Isophorone	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
N-Nitroso-Di-n-propylamine	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
N-nitrosodiphenylamine	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Naphthalene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Nitrobenzene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 18:05	PM
Phenanthrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Phenol	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
Pyrene	ND		9	UG/L	EPA SVOA	10/08/2003 18:05	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/16/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/16/2003	
Metals Analysis							
Aluminum - Total	155	BN*	18.4	UG/L	CLP-M	10/10/2003 13:25	

Sample ID: FS-MW05RK-GW-0
Lab Sample ID: A3955505
Date Collected: 10/03/2003
Time Collected: 14:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 13:25	
Arsenic - Total	10.9		3.3	UG/L	CLP-M	10/10/2003 13:25	
Barium - Total	540	E	0.20	UG/L	CLP-M	10/10/2003 13:25	
Beryllium - Total	0.32	B	0.10	UG/L	CLP-M	10/10/2003 13:25	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 13:25	
Calcium - Total	235000		14.4	UG/L	CLP-M	10/10/2003 13:25	
Chromium - Total	ND	E	0.90	UG/L	CLP-M	10/10/2003 13:25	
Cobalt - Total	1.7	BE	0.70	UG/L	CLP-M	10/10/2003 13:25	
Copper - Total	ND	E	1.7	UG/L	CLP-M	10/10/2003 13:25	
Iron - Total	7990	E*	16.1	UG/L	CLP-M	10/10/2003 13:25	
Lead - Total	6.0	E*	1.6	UG/L	CLP-M	10/10/2003 13:25	
Magnesium - Total	49200	E	10.1	UG/L	CLP-M	10/10/2003 13:25	
Manganese - Total	8600	E	0.20	UG/L	CLP-M	10/10/2003 13:25	
Mercury - Total	ND		0.055	UG/L	CLP-M	10/07/2003 15:32	
Nickel - Total	2.2	BE	0.90	UG/L	CLP-M	10/10/2003 13:25	
Potassium - Total	6690	B	260	UG/L	CLP-M	10/13/2003 11:04	
Selenium - Total	5.4	B	2.8	UG/L	CLP-M	10/10/2003 13:25	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 13:25	
Sodium - Total	240000	*	1250	UG/L	CLP-M	10/13/2003 11:04	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/10/2003 13:25	
Vanadium - Total	ND	E	0.80	UG/L	CLP-M	10/10/2003 13:25	
Zinc - Total	6.4	BE	1.7	UG/L	CLP-M	10/10/2003 13:25	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3955501
Date Collected: 10/03/2003
Time Collected: 10:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 18:44	DGP

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3955501
Date Collected: 10/03/2003
Time Collected: 10:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Aluminum - Total	51000	N*	18.4	UG/L	CLP-M	10/10/2003 13:06	
Antimony - Total	15.8	B	4.1	UG/L	CLP-M	10/10/2003 13:06	
Arsenic - Total	31.0		3.3	UG/L	CLP-M	10/10/2003 13:06	
Barium - Total	524	E	0.20	UG/L	CLP-M	10/10/2003 13:06	
Beryllium - Total	2.4	B	0.10	UG/L	CLP-M	10/10/2003 13:06	
Cadmium - Total	4.7	B	0.30	UG/L	CLP-M	10/10/2003 13:06	
Calcium - Total	469000		72.0	UG/L	CLP-M	10/13/2003 10:35	
Chromium - Total	71.2	E	0.90	UG/L	CLP-M	10/10/2003 13:06	
Cobalt - Total	47.6	BE	0.70	UG/L	CLP-M	10/10/2003 13:06	
Copper - Total	1390	E	1.7	UG/L	CLP-M	10/10/2003 13:06	
Iron - Total	86800	E*	16.1	UG/L	CLP-M	10/10/2003 13:06	
Lead - Total	808	E*	1.6	UG/L	CLP-M	10/10/2003 13:06	
Magnesium - Total	69900	E	10.1	UG/L	CLP-M	10/10/2003 13:06	
Manganese - Total	5390	E	0.20	UG/L	CLP-M	10/10/2003 13:06	
Mercury - Total	7.4		0.055	UG/L	CLP-M	10/07/2003 15:28	
Nickel - Total	90.7	E	0.90	UG/L	CLP-M	10/10/2003 13:06	
Potassium - Total	9490		52.1	UG/L	CLP-M	10/10/2003 13:06	
Selenium - Total	4.4	B	2.8	UG/L	CLP-M	10/10/2003 13:06	
Silver - Total	2.7	B	0.70	UG/L	CLP-M	10/10/2003 13:06	
Sodium - Total	32700	*	250	UG/L	CLP-M	10/10/2003 13:06	
Thallium - Total	9.8	B	3.8	UG/L	CLP-M	10/10/2003 13:06	
Vanadium - Total	83.9	E	0.80	UG/L	CLP-M	10/10/2003 13:06	
Zinc - Total	4500	E	1.7	UG/L	CLP-M	10/10/2003 13:06	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3955502
Date Collected: 10/03/2003
Time Collected: 13:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Bis(2-ethylhexyl) phthalate	2	J	10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3955502
Date Collected: 10/03/2003
Time Collected: 13:15

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	10/08/2003 16:57	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Phenol	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 16:57	PM

Sample ID: FS-MW06-MICRO-GW-0
Lab Sample ID: A3955503
Date Collected: 10/03/2003
Time Collected: 14:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/16/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/16/2003	

Sample ID: FS-MW06RK-GW-0
Lab Sample ID: A3955504
Date Collected: 10/03/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 19:13	DGP

Sample ID: FS-MW06RK-GW-0
Lab Sample ID: A3955504
Date Collected: 10/03/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4,5-Trichlorophenol	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4-Dinitrophenol	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Nitroaniline	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
3-Nitroaniline	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
4,6-Dinitro-2-methylphenol	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Nitroaniline	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
4-Nitrophenol	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Bis(2-ethylhexyl) phthalate	0.8	J	10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM

Sample ID: FS-MW06RK-GW-0
Lab Sample ID: A3955504
Date Collected: 10/03/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Pentachlorophenol	ND		26	UG/L	EPA SVOA	10/08/2003 17:31	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Phenol	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/08/2003 17:31	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		0.95	UG/L	EPA P/PCB	10/16/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Dieldrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Endosulfan II	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
Endrin ketone	ND		0.095	UG/L	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	10/16/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	10/16/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	10/16/2003	
Metals Analysis							
Aluminum - Total	22400	N*	18.4	UG/L	CLP-M	10/10/2003 13:20	

Sample ID: FS-MW06RK-GW-0
Lab Sample ID: A3955504
Date Collected: 10/03/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	6.1	B	4.1	UG/L	CLP-M	10/10/2003 13:20	
Arsenic - Total	20.7		3.3	UG/L	CLP-M	10/10/2003 13:20	
Barium - Total	478	E	0.20	UG/L	CLP-M	10/10/2003 13:20	
Beryllium - Total	1.3	B	0.10	UG/L	CLP-M	10/10/2003 13:20	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 13:20	
Calcium - Total	150000		14.4	UG/L	CLP-M	10/10/2003 13:20	
Chromium - Total	36.0	E	0.90	UG/L	CLP-M	10/10/2003 13:20	
Cobalt - Total	18.3	BE	0.70	UG/L	CLP-M	10/10/2003 13:20	
Copper - Total	266	E	1.7	UG/L	CLP-M	10/10/2003 13:20	
Iron - Total	45700	E*	16.1	UG/L	CLP-M	10/10/2003 13:20	
Lead - Total	464	E*	1.6	UG/L	CLP-M	10/10/2003 13:20	
Magnesium - Total	33300	E	10.1	UG/L	CLP-M	10/10/2003 13:20	
Manganese - Total	3120	E	0.20	UG/L	CLP-M	10/10/2003 13:20	
Mercury - Total	0.420		0.055	UG/L	CLP-M	10/07/2003 15:30	
Nickel - Total	40.9	E	0.90	UG/L	CLP-M	10/10/2003 13:20	
Potassium - Total	7500		52.1	UG/L	CLP-M	10/10/2003 13:20	
Selenium - Total	ND		2.8	UG/L	CLP-M	10/10/2003 13:20	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 13:20	
Sodium - Total	75900	*	250	UG/L	CLP-M	10/10/2003 13:20	
Thallium - Total	7.2	B	3.8	UG/L	CLP-M	10/10/2003 13:20	
Vanadium - Total	36.8	BE	0.80	UG/L	CLP-M	10/10/2003 13:20	
Zinc - Total	627	E	1.7	UG/L	CLP-M	10/10/2003 13:20	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MW07RK-GW-0
Lab Sample ID: A3956402
Date Collected: 10/02/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 22:09	DGP

Sample ID: FS-MW07RK-GW-0
Lab Sample ID: A3956402
Date Collected: 10/02/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4,5-Trichlorophenol	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4-Dinitrophenol	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
3-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
4,6-Dinitro-2-methylphenol	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Nitroaniline	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
4-Nitrophenol	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Bis(2-ethylhexyl) phthalate	0.5	BJ	10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Di-n-butyl phthalate	0.9	J	10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM

Sample ID: FS-MW07RK-GW-0
Lab Sample ID: A3956402
Date Collected: 10/02/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Pentachlorophenol	ND		26	UG/L	EPA SVOA	10/09/2003 17:47	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Phenol	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 17:47	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		2.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.050	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.50	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		5.0	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	8820	N*	18.4	UG/L	CLP-M	10/10/2003 14:56	

Sample ID: FS-MW07RK-GW-0
Lab Sample ID: A3956402
Date Collected: 10/02/2003
Time Collected: 11:45

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	10/10/2003 14:56	
Arsenic - Total	7.7	B	3.3	UG/L	CLP-M	10/10/2003 14:56	
Barium - Total	166	BE	0.20	UG/L	CLP-M	10/10/2003 14:56	
Beryllium - Total	0.95	B	0.10	UG/L	CLP-M	10/10/2003 14:56	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 14:56	
Calcium - Total	221000		14.4	UG/L	CLP-M	10/10/2003 14:56	
Chromium - Total	11.1	E	0.90	UG/L	CLP-M	10/10/2003 14:56	
Cobalt - Total	7.0	BE	0.70	UG/L	CLP-M	10/10/2003 14:56	
Copper - Total	18.4	BE	1.7	UG/L	CLP-M	10/10/2003 14:56	
Iron - Total	17800	E*	16.1	UG/L	CLP-M	10/10/2003 14:56	
Lead - Total	7.6	E*	1.6	UG/L	CLP-M	10/10/2003 14:56	
Magnesium - Total	23200	E	10.1	UG/L	CLP-M	10/10/2003 14:56	
Manganese - Total	1230	E	0.20	UG/L	CLP-M	10/10/2003 14:56	
Mercury - Total	0.073	B	0.055	UG/L	CLP-M	10/07/2003 15:45	
Nickel - Total	20.3	BE	0.90	UG/L	CLP-M	10/10/2003 14:56	
Potassium - Total	15800	B	260	UG/L	CLP-M	10/13/2003 11:49	
Selenium - Total	ND		2.8	UG/L	CLP-M	10/10/2003 14:56	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 14:56	
Sodium - Total	225000	*	1250	UG/L	CLP-M	10/13/2003 11:49	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/10/2003 14:56	
Vanadium - Total	12.1	BE	0.80	UG/L	CLP-M	10/10/2003 14:56	
Zinc - Total	45.9	E	1.7	UG/L	CLP-M	10/10/2003 14:56	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-MWXX-GW-FD
Lab Sample ID: A3956407
Date Collected: 10/02/2003
Time Collected: 15:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Acetone	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Benzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Styrene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Toluene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/11/2003 00:06	DGP

Sample ID: FS-MWXX-GW-FD
Lab Sample ID: A3956407
Date Collected: 10/02/2003
Time Collected: 15:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4,5-Trichlorophenol	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4-Dinitrophenol	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
3-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
4,6-Dinitro-2-methylphenol	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Nitroaniline	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
4-Nitrophenol	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Acetophenone	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Atrazine	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Biphenyl	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Bis(2-ethylhexyl) phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Caprolactam	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Carbazole	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Chrysene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM

Sample ID: FS-MWXX-GW-FD
Lab Sample ID: A3956407
Date Collected: 10/02/2003
Time Collected: 15:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Fluorene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Isophorone	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Naphthalene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Pentachlorophenol	ND		25	UG/L	EPA SVOA	10/09/2003 20:04	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Phenol	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
Pyrene	ND		10	UG/L	EPA SVOA	10/09/2003 20:04	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDE	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
4,4'-DDT	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Aldrin	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
alpha-BHC	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
alpha-Chlordane	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1016	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1221	ND		2.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1232	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1242	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1248	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1254	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
Aroclor 1260	ND		1.0	UG/L	EPA P/PCB	10/17/2003	
beta-BHC	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
delta-BHC	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Dieldrin	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endosulfan I	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Endosulfan II	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endosulfan Sulfate	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin aldehyde	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
Endrin ketone	ND		0.10	UG/L	EPA P/PCB	10/17/2003	
gamma-BHC (Lindane)	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
gamma-Chlordane	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Heptachlor	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Heptachlor epoxide	ND		0.051	UG/L	EPA P/PCB	10/17/2003	
Methoxychlor	ND		0.51	UG/L	EPA P/PCB	10/17/2003	
Toxaphene	ND		5.1	UG/L	EPA P/PCB	10/17/2003	
Metals Analysis							
Aluminum - Total	3790	N*	18.4	UG/L	CLP-M	10/10/2003 15:20	

Sample ID: FS-MWXX-GW-FD
Lab Sample ID: A3956407
Date Collected: 10/02/2003
Time Collected: 15:00

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	4.8	B	4.1	UG/L	CLP-M	10/10/2003 15:20	
Arsenic - Total	6.4	B	3.3	UG/L	CLP-M	10/10/2003 15:20	
Barium - Total	152	BE	0.20	UG/L	CLP-M	10/10/2003 15:20	
Beryllium - Total	0.69	B	0.10	UG/L	CLP-M	10/10/2003 15:20	
Cadmium - Total	ND		0.30	UG/L	CLP-M	10/10/2003 15:20	
Calcium - Total	428000		288	UG/L	CLP-M	10/13/2003 12:13	
Chromium - Total	4.6	BE	0.90	UG/L	CLP-M	10/10/2003 15:20	
Cobalt - Total	3.6	BE	0.70	UG/L	CLP-M	10/10/2003 15:20	
Copper - Total	27.7	E	1.7	UG/L	CLP-M	10/10/2003 15:20	
Iron - Total	8410	E*	16.1	UG/L	CLP-M	10/10/2003 15:20	
Lead - Total	7.3	E*	1.6	UG/L	CLP-M	10/10/2003 15:20	
Magnesium - Total	55000	E	10.1	UG/L	CLP-M	10/10/2003 15:20	
Manganese - Total	1480	E	0.20	UG/L	CLP-M	10/10/2003 15:20	
Mercury - Total	0.083	B	0.055	UG/L	CLP-M	10/07/2003 15:52	
Nickel - Total	9.9	BE	0.90	UG/L	CLP-M	10/10/2003 15:20	
Potassium - Total	26000	B	1040	UG/L	CLP-M	10/13/2003 12:13	
Selenium - Total	ND		2.8	UG/L	CLP-M	10/10/2003 15:20	
Silver - Total	ND		0.70	UG/L	CLP-M	10/10/2003 15:20	
Sodium - Total	646000	*	5010	UG/L	CLP-M	10/13/2003 12:13	
Thallium - Total	ND		3.8	UG/L	CLP-M	10/10/2003 15:20	
Vanadium - Total	6.9	BE	0.80	UG/L	CLP-M	10/10/2003 15:20	
Zinc - Total	42.1	E	1.7	UG/L	CLP-M	10/10/2003 15:20	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	10/06/2003 18:25	JMS

Sample ID: FS-TRIP02
Lab Sample ID: A3931202
Date Collected: 09/24/2003
Time Collected: :

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
2-Butanone	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
2-Hexanone	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Acetone	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Benzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Bromoform	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Bromomethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Chlorobenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Chloroethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Chloroform	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Chloromethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Cyclohexane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Ethylbenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Methyl acetate	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Methylene chloride	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Styrene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Toluene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Total Xylenes	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Trichloroethene	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC
Vinyl chloride	ND		10	UG/L	EPA VOA	10/04/2003 15:33	CDC

Sample ID: FS-TRIP03
Lab Sample ID: A3956408
Date Collected: 10/02/2003
Time Collected: 16:30

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 17:45	DGP

Sample ID: TRIP BLANK
Lab Sample ID: A3955511
Date Collected: 10/03/2003
Time Collected: :

Date Received: 10/03/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
2-Butanone	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Acetone	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Benzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Bromoform	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Bromomethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Chloroethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Chloroform	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Chloromethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Styrene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Toluene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	10/10/2003 16:46	DGP

Chain of Custody

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client	TVGA COnsultants
Address	1000 Maple Road
City / State / Zip Code	Elma / NY / 14059
Project Name and Location (State)	Former Flint-Kote Site
Contract/Purchase Order/Quote No.	
Project Manager	Robert Napieralski
Telephone Number (Area Code)/Fax Number	(716) 655-8842 fax (716) 655-0937
Site Contact	James Manzella
Lab Contact	Ryan Van Dette
Carrier/Waybill Number	
Date	9-24-03
Lab Number	
Chain of Custody Number	135358
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 00 VOC	ASP 00 SVOC	ASP 00 PCB/Pest	ASP 00 TAL Metals	ASP I - CN	Special Instructions/Conditions of Receipt
FS-3SSpoon-RB	9-24-03	2:30p		X			4A 1L		1A 8oz	2A 40ml	1A 40z		X	X	X	X	X	
FS-TRIP02	9-24-03	2:30p		X						2A 40ml			X					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: R. Napieralski	9/26/03	9:15	1. Received By: [signature] STL	9-26-03	09:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 12.3°C

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

80183

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napolitski	Date: 9-16-03	Chain of Custody Number: 135338
Address: 6000 Dupont Road	Telephone Number (Area Code)/Fax Number: (716) 856-0635 Fax (716) 856-0627	Lab Number:	Page 1 of 1
City: Elma	State: NY	Zip Code: 14059	
Project Name and Location (State): Former Fitzgerald Site	Site Contact: James Mazzetta	Lab Contact: Ryan Van Dette	
Contract/Purchase Order/Quote No.	Carrier/Waybill Number		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 95-VOCs	ASP 95 SVOCs	ASP 95 Pest/PCB	ASP TAL Metals	ASP TCN
FS-SS03-S-0	9-16-03	1:25p				X	1x 16oz							X	X	X	X
FS-SS04-S-0		1:30p				X	1x 8oz							X	X	X	X
FS-SS09-S-0		9:10a				X	1x 8oz							X	X	X	X
FS-SS10-S-0		9:15a				X	1x 8oz							X	X	X	X
FS-MW10B-034-S-0		4:00p				X	1x 8oz						X				
FS-MW10B-035-S-0		4:00p				X	1x 8oz							X	X	X	X
FS-MW10B-068-S-0		4:15p				X	1x 16oz						X	X	X	X	X

Special Instructions/ Conditions of Receipt: ASP Category B Deliverables

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date: 9/17/03	Time: 9:20	1. Received By	Date: 9-17-03	Time: 0920
2. Relinquished By	Date: 9-17-03	Time: 1130	2. Received By STL	Date: 9-17-03	Time: 1130
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: 6.0°C

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

81183

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	10-2-03	135366
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	Zn Ac/ NaOH	Analysis: ASP-00 VOCs	ASP 00 SVOCs	ASP 00 Asbestos	ASP-TAL Metals	ASP-TAL Metals Dissolved	ASP-TCN	Special Instructions/ Conditions of Receipt
FS-MW02RK-GW-0	10-2-03	10:00a		X			4A 1L		2A 80z	2A 40ml	1A 40z		X	X	X	X	X	X	H-
FS-MW02RK-GW-MS		10:00a		X			4A 1L		1A 80z	2A 40ml	1A 40z		X	X	X	X		X	Hold all Dissolved
FS-MW02RK-GW-MSD		10:00a		X			4A 1L			2A 40ml			X	X	X				Metal samples until
FS-MW02RK-GW-MD		10:00a		X					1A 80z		1A 40z					X		X	client notification
FS-MW07RK-GW-0		11:45a		X			4A 1L		2A 80z	2A 40ml	1A 40z		X	X	X	X	H	X	
FS-MW020B-GW-0		12:45p		X			4A 1L		3A 80z	2A 40ml	1A 40z		X	X	X	X	H	X	
FS-MW03RK-GW-0		2:20p		X			4A 1L		2A 80z	2A 40ml	1A 40z		X	X	X	X	H	X	
FS-MW010B-GW-0		3:15p		X	JCA		4A 1L		2A 80z	2A 40ml	1A 40z	JCA	X	X	X	X	H	X	
FS-MW01RK-GW-0		4:15p		X			[redacted]		1A 80z	2A 40ml	1A 40z		X	[redacted]		X		X	Non-SVOCs under this line
FS-MWXX-GW-FD		3:00p		X			4A 1L		1A 80z	2A 40ml	1A 40z		X	X	X	X		X	
FS-TRIP03		4:30p		X						2A 40ml			X						
FS-MW01RK-GW-0		6:15p		X			2A 1L							X					

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By		10/3/03	9:40
2. Relinquished By			
3. Relinquished By			

		Date	Time
1. Received By	STL	10-3-03	09:40
2. Received By			
3. Received By			

Comments
Also Received FS-MW04RK-GW-0" Not Listed Above (BOF 10/6/03) 4@ 5.0°C

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

82183

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieral ski	10-3-03	135368
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Aspoo - VOCs	Aspoo - SVOCs	Aspoo - PCB/Pest	Asp TAL Me Totals	Asp TAL Me Dissolved	Asp - TCN
FS-MW06-MICRO-GW-0	10-3-03	10:15a							1x 8021	3x 8260	1x 4021		X			X		X
FS-MW06-MICRO-GW-0		1:00p					1x 1LA							X				
FS-MW06-MICRO-GW-0		2:30p					1x 1LA								X			
FS-MW06RK-GW-0		11.45a					4x 1LA		3x 8021	3x 4541	1x 4021		X	X	X	X	H	X
FS-MW05RK-GW-0		2:00p					4x 1LA		1x 8021	3x 4541	1x 4021		X	X	X	X		X
FS-MW01RK-GW-0		2:30p					2x 1LA							X	X			
FS-198-F-MICRO-GW-0		3.50p					4x 1LA		3x 8021	3x 4541	1x 4021		X	X	X	X	H	X
FS-198E-MICRO-GW-0		4:45p					2x 1LA		3x 8021	3x 4541	1x 4021		X	X	X	X	H	X
FS-MICRO-1-GW-0		5:30p					4x 1LA		3x 8021	3x 4541	1x 4021		X	X	X	X	H	X
FS-MW06-MICRO-GW-0		11:00a							1x 8021								H	

Special Instructions/ Conditions of Receipt

H = Hold all TAL Dissolved metals untill client notification

ONLY 1x 1LA for SVOCs & for PCB/Pest

ONLY 1x 1LA for SVOCs & for PCB/Pest

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

		Date	Time
1. Relinquished By	James C. Manzella...	10-3-03	18:40
2. Relinquished By			
3. Relinquished By			
1. Received By			
2. Received By		10/3/03	1840
3. Received By			

Comments

3e2.02

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

83183

ANALYTICAL REPORT

Job#: A03-9311

STL Project#: NY3A9078
Site Name: TVGA Consultants
Task: Former Flintkote Site SI/RAR-Subsurface Soil/Fill

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo

Ryan T. VanDette
Project Manager

02/03/2004

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

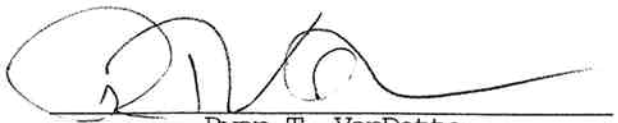
ANALYTICAL REPORT

Job#: A03-8721,A03-8834,A03-8916,A03-8918,A03-8948,A03-9024,A03-9025

STL Project#: NY3A9078
SDG#: 0912E1
Site Name: TVGA Consultants
Tasks: Former Flintkote Site SI/RAR - Surface Soil/ Fill
Former Flintkote Site SI/RAR - Surface Water
Former Flintkote Site SI/RAR-Subsurface Soil/Fill

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo



Ryan T. VanDette
Project Manager

02/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3872102	FS-BLDG D-SW-0	09/11/2003	10:45	09/12/2003	10:15
A3872101	FS-EMC01-SW-0	09/11/2003	14:00	09/12/2003	10:15
A3902501	FS-MW03RK-D1415.5-S	09/15/2003	15:30	09/19/2003	09:45
A3891801	FS-MW04RK-D34-S-O	09/16/2003	16:00	09/17/2003	11:30
A3891802	FS-MW04RK-D35-S-O	09/16/2003	16:00	09/17/2003	11:30
A3891803	FS-MW04RK-D68-S-O	09/16/2003	16:15	09/17/2003	11:30
A3883401	FS-SS01-S-O	09/15/2003	13:25	09/16/2003	10:50
A3883402	FS-SS02-S-O	09/15/2003	13:35	09/16/2003	10:50
A3891602	FS-SS03-S-0	09/15/2003	13:25	09/17/2003	11:30
A3891603	FS-SS04-S-0	09/15/2003	13:30	09/17/2003	11:30
A3894801	FS-SS05-S-O	09/17/2003	08:30	09/18/2003	08:45
A3894801MD	FS-SS05-S-O	09/17/2003	08:30	09/18/2003	08:45
A3894801MS	FS-SS05-S-O	09/17/2003	08:30	09/18/2003	08:45
A3894801SD	FS-SS05-S-O	09/17/2003	08:30	09/18/2003	08:45
A3883403	FS-SS06-S-O	09/15/2003	11:00	09/16/2003	10:50
A3883404	FS-SS07-S-O	09/15/2003	10:30	09/16/2003	10:50
A3883405	FS-SS08-S-O	09/15/2003	10:20	09/16/2003	10:50
A3891604	FS-SS09-S-0	09/15/2003	09:10	09/17/2003	11:30
A3891605	FS-SS10-S-0	09/15/2003	09:15	09/17/2003	11:30
A3902401	FS-SS11-S-0	09/18/2003	16:45	09/19/2003	09:45
A3902402	FS-SS12-S-0	09/18/2003	17:15	09/19/2003	09:45
A3891601	FS-SSXX-RB	09/15/2003	10:30	09/17/2003	11:30
A3872103	FS-TRIP01	09/11/2003	14:30	09/12/2003	10:15

METHODS SUMMARY

Job#: A03-8721,A03-8834,A03-8916,A03-8918,A03-8948,A03-9024,A03-9025

STL Project#: NY3A9078
SDG#: 0912E1
Site Name: TVGA Consultants

PARAMETER	ANALYTICAL METHOD	
TVGA - ASP00 EPA - VOLATILES - S	ASP00	EPA VOA
TVGA - EPA ASP 2000 - VOLATILES - W	ASP00	EPA VOA
TVGA - ASP 2000 EPA - SEMIVOLATILES - W	ASP00	EPA SVOA
TVGA - ASP00 EPA - SEMIVOLATILES - S	ASP00	EPA SVOA
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - S	ASP00	EPA P/PCB
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W	ASP00	EPA P/PCB
Aluminum - Total	ASP00	CLP-M
Antimony - Total	ASP00	CLP-M
Arsenic - Total	ASP00	CLP-M
Barium - Total	ASP00	CLP-M
Beryllium - Total	ASP00	CLP-M
Cadmium - Total	ASP00	CLP-M
Calcium - Total	ASP00	CLP-M
Chromium - Total	ASP00	CLP-M
Cobalt - Total	ASP00	CLP-M
Copper - Total	ASP00	CLP-M
Iron - Total	ASP00	CLP-M
Lead - Total	ASP00	CLP-M
Magnesium - Total	ASP00	CLP-M
Manganese - Total	ASP00	CLP-M
Mercury - Total	ASP00	CLP-M
Nickel - Total	ASP00	CLP-M
Potassium - Total	ASP00	CLP-M
Selenium - Total	ASP00	CLP-M
Silver - Total	ASP00	CLP-M
Sodium - Total	ASP00	CLP-M
Thallium - Total	ASP00	CLP-M
Vanadium - Total	ASP00	CLP-M
Zinc - Total	ASP00	CLP-M
Cyanide - Total	ASP00	CLP-WC
Leachable pH	ASP00	9045

References:

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

NON-CONFORMANCE SUMMARY

Job#: A03-8721,A03-8834,A03-8916,A03-8918,A03-8948,A03-9024,A03-9025

STL Project#: NY3A9078
SDG#: 0912E1
Site Name: TVGA Consultants

General Comments

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

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

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

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

Sample Receipt Comments

A03-8721
Sample Cooler(s) were received at the following temperature(s); 2@5.0 °C
All samples were received in good condition.
A03-8834
Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All samples were received in good condition.
A03-8916
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A03-8918
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A03-8948
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.
A03-9024
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A03-9025
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All water samples were preserved to a PH less than 2.

The analytes 4-Methyl-2-pentanone and 2-Hexanone were detected in the VHB analyzed on 09/25/2003 at 13:14, at a level below the project established reporting limit.

The analyte 4-Methyl-2-pentanone was detected in the VHB analyzed on 09/25/2003 at 13:46, at a level below the project established reporting limit.

Continuing calibration standard A3C0005668-1 exhibited the % difference of 1,2,4-Trichlorobenzene as greater than 25%. However, ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

The analytes 4-Methyl-2-pentanone, 2-Butanone and 2-Hexanone were detected in Method Blank VBLK76 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

GC/MS Semivolatile Data

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank A3B1035403 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analytes Bis(2-ethylhexyl)phthalate and Di-n-butyl phthalate were detected in the Method Blank A3B1060503 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Di-n-butyl phthalate was detected in the Method Blank A3B1060902 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Pyrene was detected in the Method Blank A3B1073703 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analytes Bis(2-ethylhexyl)phthalate and Di-n-butyl phthalate were detected in the Method Blank A3B1051302 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recovery for 4-Nitrophenol was above the method defined quality control limit in the Matrix Spike Blank A3B1035401 and in the Matrix Spike Blank Duplicate A3B1035402. Since the results were biased high and the analyte was not detected in the samples, no corrective action was performed.

The spike recoveries for 4-Nitrophenol and 2,4-Dinitrotoluene in the Matrix Spike Blank A3B1060501 and 4-Nitrophenol in the Matrix Spike Blank Duplicate A3B1060502 were above the method defined quality control limits. Since the results were biased high and the analyte was not detected in the samples, no corrective action was performed.

The spike recovery for Pyrene was below the method defined quality control limit in the Matrix Spike Blank Duplicate A3B1073702. Since the Matrix Spike Blank A3B1073701 was compliant, no corrective action was performed.

The internal standard recovery for Perylene-d12 was below the method defined quality control limit and the surrogate recovery for p-Terphyl-d14 in sample FS-SS04-S-0 RI. The sample was originally analyzed at a dilution of 20 due to extract viscosity with compliant results. It was then re-analyzed at a lower dilution to achieve lower detection limits. Both analyses were included.

Samples FS-SS01-S-0, FS-SS01-S-0 MS and FS-SS01-S-0 SD were analyzed at a dilution of 50. All surrogate and spike recoveries were diluted out.

The surrogate recoveries for 1,2-dichlorobenzene-d4 and 2,4,6-Tribromophenol were diluted out of sample FS-SS06-S-0.

GC Extractable Data

For method CLP Pesticide/PCB, the recovery of surrogate Decachlorobiphenyl in samples SS-04, SS-09, and SS-10 is outside of established quality control limits due to the sample matrix and dilution. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required. Many samples required dilution prior to analysis due to matrix and high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater, and flagged as "D" on the surrogate form 2F.

Sample SS-06 was diluted and contained heavy matrix effects. The corresponding Matrix Spike and Matrix Spike Duplicate have the recoveries for gamma-BHC, Heptachlor, and Aldrin obscurred due to these effects. However, the associated Matrix Spike Blank is compliant.

The Matrix Spike recoveries for SS-05 and SS-05DL are diluted out.

The relative percent difference between MSB06 and MSBD06 exceed quality control limits for gamma-BHC and Heptachlor, though all individual analyte recoveries are compliant.

Continuing calibration verifications INDAM07, INDBM07, and PEM08 exhibited negative bias and a % difference result slightly greater than 25% for several compounds due to the extremely heavy matrix effects of the samples run previous. All associated field samples are non-detect for these analytes and all laboratory spike recoveries are within control limits.

The ending calibration verifications PEM09, INDAM08, and INDBM08 demonstrated an increased instrument response, >25% difference, for several surrogate compounds. Since the results would be biasd high and the associated sample is non-detect, the sample data has not been impacted and no corrective action is required.

Metals Data

The recovery of sample FS-SS06-S-0 Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Antimony, Barium and Copper. The recovery of the Matrix Spike Duplicate exhibited results above the quality control limits for Arsenic. However, the LCS was acceptable.

The recovery of sample FS-SS06-S-0 Matrix Spike exhibited results above the quality control limits for Lead, Manganese and Zinc and fell below the limits for Mercury. The recovery of the Matrix Spike Duplicate exhibited results below the limits for Lead, Mercury and Zinc and fell above the limits for Manganese. The sample results are more than four times greater than the spikes added, therefore, no qualifiers were required. The LCS was acceptable.

The recovery of sample FS-MW04RK-D35-S-0 Matrix Spike exhibited results below the quality control limits for Antimony, Chromium and Selenium and fell above the limits for Arsenic and Barium. The recovery the Matrix Spike Duplicate fell above the limits for Arsenic, Cadmium and Nickel and fell below the limits for Chromium and Thallium. However, the LCS was acceptable.

The recovery of sample FS-MW04RK-D35-S-O Matrix Spike exhibited results above the quality control limits for Copper, Lead, Manganese and Zinc and fell below the limits for Mercury. The recovery of the Matrix Spike Duplicate fell below the limits for Lead, Manganese and Mercury and fell above the limits for Zinc. The sample results are more than four times greater than the spikes added. The LCS was acceptable.

The recovery of sample FS-SS05-S-O Matrix Spike exhibited results above the quality control limits for Antimony and Nickel. However, the LCS was acceptable.

The recovery of sample FS-SS05-S-O Matrix Spike exhibited results above the quality control limits for Arsenic, Barium, Copper, Lead, Manganese and Zinc and fell below the limits for Chromium and Mercury. The sample results are more than four times greater than the spikes added. The LCS was acceptable.

The relative percent difference between sample FS-SS06-S-O and the Matrix Duplicate exceed quality control criteria for Aluminum, Barium, Chromium, Copper, Lead, Magnesium, Mercury and Zinc. The relative percent difference between the Matrix Spike and the Matrix Spike Duplicate exceeded quality control criteria for Lead, Mercury and Zinc. However, the LCS was acceptable for all elements.

The relative percent difference between sample FS-MW04RK-D35-S-O and the Matrix Duplicate exceed quality control criteria for Cadmium, Chromium, Copper, Iron, Lead, Mercury and Thallium. The difference between the Matrix Spike and Spike Duplicate exceed the control criteria for Aluminum, Antimony, Arsenic, Barium, Lead, Manganese and Mercury. However, the LCS was acceptable for all elements.

The difference between sample FS-SS05-S-O and the Matrix Duplicate exceed the control criteria for Antimony, Barium, Calcium, Iron, Magnesium, Mercury and Thallium. However, the LCS was acceptable for all elements.

The analyte Iron was detected in the Method Blank A3894802 at a level above the project established reporting limit. However, all samples had levels of Iron greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

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

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

Ryan T. VanDette
Project Manager

2/3/04
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-BLDG D-SW-0	A3872102	EPA P/PCB	2.00	002
FS-SS01-S-0	A3883401	EPA P/PCB	10.00	002
FS-SS01-S-0	A3883401	EPA SVOA	10.00	008
FS-SS01-S-0	A3883401	Barium - Total	10.00	008
FS-SS01-S-0	A3883401	Copper - Total	10.00	008
FS-SS01-S-0	A3883401	Iron - Total	10.00	008
FS-SS01-S-0	A3883401	Lead - Total	10.00	008
FS-SS01-S-0	A3883401	Mercury - Total	10.00	008
FS-SS01-S-0	A3883401	Zinc - Total	100.00	008
FS-SS01-S-0DL	A3883401DL	EPA P/PCB	100.00	002
FS-SS01-S-0	A3883401MS	EPA SVOA	50.00	012
FS-SS01-S-0	A3883401SD	EPA SVOA	50.00	012
FS-SS02-S-0	A3883402	EPA P/PCB	10.00	002
FS-SS02-S-0	A3883402	EPA SVOA	10.00	008
FS-SS02-S-0	A3883402	Copper - Total	100.00	008
FS-SS02-S-0	A3883402	Iron - Total	10.00	008
FS-SS02-S-0	A3883402	Lead - Total	10.00	008
FS-SS02-S-0	A3883402	Mercury - Total	10.00	008
FS-SS02-S-0	A3883402	Zinc - Total	100.00	008
FS-SS06-S-0	A3883403	EPA P/PCB	10.00	002
FS-SS06-S-0	A3883403	EPA SVOA	50.00	008
FS-SS06-S-0	A3883403	Calcium - Total	10.00	008
FS-SS06-S-0	A3883403	Mercury - Total	10.00	008
FS-SS06-S-0	A3883403MD	Calcium - Total	10.00	008
FS-SS06-S-0	A3883403MD	Mercury - Total	10.00	008
FS-SS06-S-0	A3883403MS	EPA P/PCB	10.00	002
FS-SS06-S-0	A3883403MS	Mercury - Total	10.00	008
FS-SS06-S-0	A3883403SD	EPA P/PCB	10.00	002
FS-SS06-S-0	A3883403SD	Mercury - Total	10.00	008
FS-SS07-S-0	A3883404	EPA P/PCB	10.00	002
FS-SS07-S-0	A3883404	EPA SVOA	5.00	008
FS-SS07-S-0	A3883404	Calcium - Total	10.00	008
FS-SS08-S-0	A3883405	EPA P/PCB	10.00	002
FS-SS08-S-0	A3883405	EPA SVOA	5.00	008
FS-SS08-S-0	A3883405	Calcium - Total	10.00	008
FS-SS08-S-0DL	A3883405DL	EPA SVOA	10.00	008
FS-SS03-S-0	A3891602	EPA SVOA	5.00	012
FS-SS03-S-0	A3891602	Copper - Total	10.00	008
FS-SS03-S-0	A3891602	Iron - Total	10.00	008
FS-SS03-S-0	A3891602	Zinc - Total	10.00	008

Dilution Code Definition:

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

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-SS04-S-0	A3891603	EPA P/PCB	4.00	002
FS-SS04-S-0	A3891603	EPA SVOA	20.00	012
FS-SS04-S-0	A3891603	Zinc - Total	5.00	008
FS-SS04-S-0RI	A3891603RI	EPA SVOA	5.00	008
FS-SS09-S-0	A3891604	EPA P/PCB	4.00	002
FS-SS09-S-0	A3891604	EPA SVOA	5.00	012
FS-SS09-S-0	A3891604	Zinc - Total	5.00	008
FS-SS10-S-0	A3891605	EPA P/PCB	4.00	002
FS-SS10-S-0	A3891605	EPA SVOA	5.00	012
FS-SS10-S-0	A3891605	Zinc - Total	5.00	008
FS-MW04RK-D35-S-0	A3891802	EPA P/PCB	10.00	002
FS-MW04RK-D35-S-0	A3891802	EPA SVOA	50.00	008
FS-MW04RK-D35-S-0	A3891802	Mercury - Total	10.00	008
FS-MW04RK-D35-S-0	A3891802	Zinc - Total	5.00	008
FS-MW04RK-D35-S-0	A3891802MD	Mercury - Total	10.00	008
FS-MW04RK-D35-S-0	A3891802MD	Zinc - Total	5.00	008
FS-MW04RK-D35-S-0	A3891802MS	Mercury - Total	10.00	008
FS-MW04RK-D35-S-0	A3891802MS	Zinc - Total	10.00	008
FS-MW04RK-D35-S-0	A3891802SD	Mercury - Total	10.00	008
FS-MW04RK-D35-S-0	A3891802SD	Zinc - Total	10.00	008
FS-MW04RK-D68-S-0	A3891803	Calcium - Total	10.00	008
FS-SS05-S-0	A3894801	EPA P/PCB	10.00	002
FS-SS05-S-0	A3894801	EPA SVOA	10.00	012
FS-SS05-S-0	A3894801	Barium - Total	20.00	008
FS-SS05-S-0	A3894801	Iron - Total	20.00	008
FS-SS05-S-0	A3894801	Mercury - Total	10.00	008
FS-SS05-S-0	A3894801	Zinc - Total	20.00	008
FS-SS05-S-0MSDL	A3894801A	EPA P/PCB	100.00	002
FS-SS05-S-0SDDL	A3894801B	EPA P/PCB	100.00	002
FS-SS05-S-0DL	A3894801DL	EPA P/PCB	100.00	002
FS-SS05-S-0	A3894801MD	Barium - Total	20.00	008
FS-SS05-S-0	A3894801MD	Iron - Total	20.00	008
FS-SS05-S-0	A3894801MD	Mercury - Total	10.00	008
FS-SS05-S-0	A3894801MD	Zinc - Total	20.00	008
FS-SS05-S-0	A3894801MS	EPA P/PCB	10.00	002
FS-SS05-S-0	A3894801MS	EPA SVOA	10.00	012
FS-SS05-S-0	A3894801MS	Barium - Total	20.00	008
FS-SS05-S-0	A3894801MS	Mercury - Total	10.00	008
FS-SS05-S-0	A3894801MS	Zinc - Total	20.00	008
FS-SS05-S-0	A3894801SD	EPA P/PCB	10.00	002

Dilution Code Definition:

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

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-SS05-S-0	A3894801SD	EPA SVOA	10.00	012
FS-SS12-S-0	A3902402	EPA P/PCB	4.00	002

Dilution Code Definition:

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

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample Data Package

Sample ID: FS-BLDG D-SW-0
Lab Sample ID: A3872102
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
2-Butanone	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Acetone	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Benzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Bromoform	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Bromomethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Chloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Chloroform	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Chloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Styrene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Toluene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	09/16/2003 21:39	DGP

Sample ID: FS-BLDG D-SW-0
Lab Sample ID: A3872102
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASPOO EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Acetophenone	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Atrazine	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Biphenyl	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Bis(2-ethylhexyl) phthalate	0.6	BJ	10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Caprolactam	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Carbazole	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Chrysene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM

Sample ID: FS-BLDG D-SW-0
Lab Sample ID: A3872102
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Fluorene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Isophorone	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Naphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 12:03	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Phenol	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
Pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 12:03	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDE	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDT	0.090	JP	0.20	UG/L	EPA P/PCB	09/18/2003	
Aldrin	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
alpha-BHC	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
alpha-Chlordane	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1016	ND		2.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1221	ND		3.9	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1232	ND		2.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1242	ND		2.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1248	0.60	J	2.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1254	ND		2.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1260	ND		2.0	UG/L	EPA P/PCB	09/18/2003	
beta-BHC	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
delta-BHC	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Dieldrin	0.10	J	0.20	UG/L	EPA P/PCB	09/18/2003	
Endosulfan I	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Endosulfan II	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
Endosulfan Sulfate	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
Endrin	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
Endrin aldehyde	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
Endrin ketone	ND		0.20	UG/L	EPA P/PCB	09/18/2003	
gamma-BHC (Lindane)	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
gamma-Chlordane	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Heptachlor	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Heptachlor epoxide	ND		0.098	UG/L	EPA P/PCB	09/18/2003	
Methoxychlor	ND		0.98	UG/L	EPA P/PCB	09/18/2003	
Toxaphene	ND		9.8	UG/L	EPA P/PCB	09/18/2003	
Metals Analysis							
Aluminum - Total	137	B	18.4	UG/L	CLP-M	09/18/2003 00:08	BKL

STL Buffalo

Sample ID: FS-BLDG D-SW-0
Lab Sample ID: A3872102
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	09/18/2003 00:08	BKL
Arsenic - Total	ND		3.3	UG/L	CLP-M	09/18/2003 00:08	BKL
Barium - Total	46.2	B	0.20	UG/L	CLP-M	09/18/2003 00:08	BKL
Beryllium - Total	0.23	B	0.10	UG/L	CLP-M	09/18/2003 00:08	BKL
Cadmium - Total	1.0	B	0.30	UG/L	CLP-M	09/18/2003 00:08	BKL
Calcium - Total	136000		14.4	UG/L	CLP-M	09/18/2003 00:08	BKL
Chromium - Total	3.9	B	0.90	UG/L	CLP-M	09/18/2003 00:08	BKL
Cobalt - Total	0.96	B	0.70	UG/L	CLP-M	09/18/2003 00:08	BKL
Copper - Total	51.5		1.7	UG/L	CLP-M	09/18/2003 00:08	BKL
Iron - Total	419		16.1	UG/L	CLP-M	09/18/2003 00:08	BKL
Lead - Total	5.8		1.6	UG/L	CLP-M	09/18/2003 00:08	BKL
Magnesium - Total	26900		10.1	UG/L	CLP-M	09/18/2003 00:08	BKL
Manganese - Total	155		0.20	UG/L	CLP-M	09/18/2003 00:08	BKL
Mercury - Total	0.095	B	0.055	UG/L	CLP-M	09/18/2003 13:29	JMB
Nickel - Total	8.2	B	0.90	UG/L	CLP-M	09/18/2003 00:08	BKL
Potassium - Total	14400		52.1	UG/L	CLP-M	09/18/2003 00:08	BKL
Selenium - Total	ND		2.8	UG/L	CLP-M	09/18/2003 00:08	BKL
Silver - Total	ND		0.70	UG/L	CLP-M	09/18/2003 00:08	BKL
Sodium - Total	98800		250	UG/L	CLP-M	09/18/2003 00:08	BKL
Thallium - Total	ND		3.8	UG/L	CLP-M	09/18/2003 00:08	BKL
Vanadium - Total	ND		0.80	UG/L	CLP-M	09/18/2003 00:08	BKL
Zinc - Total	268		1.7	UG/L	CLP-M	09/18/2003 00:08	BKL
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	09/23/2003 16:21	JMS

Sample ID: FS-EMC01-SW-0
Lab Sample ID: A3872101
Date Collected: 09/11/2003
Time Collected: 14:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
2-Butanone	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Acetone	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Benzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Bromoform	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Bromomethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Chloroethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Chloroform	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Chloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Styrene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Toluene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	09/16/2003 21:10	DGP

Sample ID: FS-EMC01-SW-0
Lab Sample ID: A3872101
Date Collected: 09/11/2003
Time Collected: 14:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Acetophenone	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Atrazine	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Biphenyl	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Bis(2-ethylhexyl) phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Caprolactam	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Carbazole	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Chrysene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM

Sample ID: FS-EMC01-SW-0
Lab Sample ID: A3872101
Date Collected: 09/11/2003
Time Collected: 14:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Fluorene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Isophorone	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Naphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 11:28	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Phenol	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
Pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 11:28	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDE	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDT	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Aldrin	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
alpha-BHC	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
alpha-Chlordane	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1016	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1221	ND		2.1	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1232	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1242	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1248	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1254	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1260	ND		1.0	UG/L	EPA P/PCB	09/18/2003	
beta-BHC	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
delta-BHC	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Dieldrin	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Endosulfan I	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Endosulfan II	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Endosulfan Sulfate	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Endrin	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Endrin aldehyde	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
Endrin ketone	ND		0.10	UG/L	EPA P/PCB	09/18/2003	
gamma-BHC (Lindane)	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
gamma-Chlordane	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Heptachlor	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Heptachlor epoxide	ND		0.052	UG/L	EPA P/PCB	09/18/2003	
Methoxychlor	ND		0.52	UG/L	EPA P/PCB	09/18/2003	
Toxaphene	ND		5.2	UG/L	EPA P/PCB	09/18/2003	
Metals Analysis							
Aluminum - Total	245		18.4	UG/L	CLP-M	09/17/2003 23:53	BKL

STL Buffalo

Sample ID: FS-EMC01-SW-0
Lab Sample ID: A3872101
Date Collected: 09/11/2003
Time Collected: 14:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND		4.1	UG/L	CLP-M	09/17/2003 23:53	BKL
Arsenic - Total	ND		3.3	UG/L	CLP-M	09/17/2003 23:53	BKL
Barium - Total	27.9	B	0.20	UG/L	CLP-M	09/17/2003 23:53	BKL
Beryllium - Total	ND		0.10	UG/L	CLP-M	09/17/2003 23:53	BKL
Cadmium - Total	ND		0.30	UG/L	CLP-M	09/17/2003 23:53	BKL
Calcium - Total	45000		14.4	UG/L	CLP-M	09/17/2003 23:53	BKL
Chromium - Total	ND		0.90	UG/L	CLP-M	09/17/2003 23:53	BKL
Cobalt - Total	0.91	B	0.70	UG/L	CLP-M	09/17/2003 23:53	BKL
Copper - Total	1.9	B	1.7	UG/L	CLP-M	09/17/2003 23:53	BKL
Iron - Total	287		16.1	UG/L	CLP-M	09/17/2003 23:53	BKL
Lead - Total	3.5		1.6	UG/L	CLP-M	09/17/2003 23:53	BKL
Magnesium - Total	10100		10.1	UG/L	CLP-M	09/17/2003 23:53	BKL
Manganese - Total	19.0		0.20	UG/L	CLP-M	09/17/2003 23:53	BKL
Mercury - Total	ND		0.055	UG/L	CLP-M	09/18/2003 13:28	JMB
Nickel - Total	2.5	B	0.90	UG/L	CLP-M	09/17/2003 23:53	BKL
Potassium - Total	1990	B	52.1	UG/L	CLP-M	09/17/2003 23:53	BKL
Selenium - Total	ND		2.8	UG/L	CLP-M	09/17/2003 23:53	BKL
Silver - Total	ND		0.70	UG/L	CLP-M	09/17/2003 23:53	BKL
Sodium - Total	16600		250	UG/L	CLP-M	09/17/2003 23:53	BKL
Thallium - Total	ND		3.8	UG/L	CLP-M	09/17/2003 23:53	BKL
Vanadium - Total	0.99	B	0.80	UG/L	CLP-M	09/17/2003 23:53	BKL
Zinc - Total	3.9	B	1.7	UG/L	CLP-M	09/17/2003 23:53	BKL
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	09/23/2003 16:21	JMS

Sample ID: FS-MW03RK-D1415.5-S
Lab Sample ID: A3902501
Date Collected: 09/15/2003
Time Collected: 15:30

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,1,2,2-Tetrachloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,1,2-Trichloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,1-Dichloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,1-Dichloroethene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2,4-Trichlorobenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2-Dibromo-3-chloropropane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2-Dibromoethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2-Dichloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,2-Dichloropropane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,3-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
1,4-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
2-Butanone	7	BJ	12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
2-Hexanone	3	BJ	12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
4-Methyl-2-pentanone	2	BJ	12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Acetone	24		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Benzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Bromodichloromethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Bromoform	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Bromomethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Carbon Disulfide	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Carbon Tetrachloride	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Chlorobenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Chloroethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Chloroform	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Chloromethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
cis-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
cis-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Cyclohexane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Dibromochloromethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Dichlorodifluoromethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Ethylbenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Isopropylbenzene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Methyl acetate	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Methyl tert butyl ether	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Methylcyclohexane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Methylene chloride	9	J	12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Styrene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Tetrachloroethene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Toluene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Total Xylenes	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
trans-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
trans-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Trichloroethene	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Trichlorofluoromethane	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP
Vinyl chloride	ND		12	UG/KG	EPA VOA	09/25/2003 15:20	DGP

Sample ID: FS-MW04RK-D34-S-0
Lab Sample ID: A3891801
Date Collected: 09/16/2003
Time Collected: 16:00

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,1,2,2-Tetrachloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,1,2-Trichloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,1-Dichloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,1-Dichloroethene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2,4-Trichlorobenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2-Dibromo-3-chloropropane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2-Dibromoethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2-Dichlorobenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2-Dichloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,2-Dichloropropane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,3-Dichlorobenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
1,4-Dichlorobenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
2-Butanone	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
2-Hexanone	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
4-Methyl-2-pentanone	3	BJ	17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Acetone	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Benzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Bromodichloromethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Bromoform	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Bromomethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Carbon Disulfide	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Carbon Tetrachloride	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Chlorobenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Chloroethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Chloroform	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Chloromethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
cis-1,2-Dichloroethene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
cis-1,3-Dichloropropene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Cyclohexane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Dibromochloromethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Dichlorodifluoromethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Ethylbenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Isopropylbenzene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Methyl acetate	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Methyl tert butyl ether	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Methylcyclohexane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Methylene chloride	16	J	17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Styrene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Tetrachloroethene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Toluene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Total Xylenes	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
trans-1,2-Dichloroethene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
trans-1,3-Dichloropropene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Trichloroethene	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Trichlorofluoromethane	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP
Vinyl chloride	ND		17	UG/KG	EPA VOA	09/25/2003 14:17	DGP

Sample ID: FS-MW04RK-D35-S-0
Lab Sample ID: A3891802
Date Collected: 09/16/2003
Time Collected: 16:00

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4,5-Trichlorophenol	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4,6-Trichlorophenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4-Dichlorophenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4-Dimethylphenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4-Dinitrophenol	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,4-Dinitrotoluene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2,6-Dinitrotoluene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Chloronaphthalene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Chlorophenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Methylnaphthalene	1200	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Methylphenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Nitroaniline	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
2-Nitrophenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
3,3'-Dichlorobenzidine	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
3-Nitroaniline	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4,6-Dinitro-2-methylphenol	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Bromophenyl phenyl ether	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Chloro-3-methylphenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Chloroaniline	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Chlorophenyl phenyl ether	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Methylphenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Nitroaniline	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
4-Nitrophenol	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Acenaphthene	5200	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Acenaphthylene	510	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Acetophenone	ND		40000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Anthracene	9000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Atrazine	ND		40000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzaldehyde	ND		40000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzo(a)anthracene	16000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzo(a)pyrene	3900	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzo(b)fluoranthene	11000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzo(ghi)perylene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Benzo(k)fluoranthene	16000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Biphenyl	ND		40000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Bis(2-chloroethoxy) methane	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Bis(2-chloroethyl) ether	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Bis(2-ethylhexyl) phthalate	11000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Butyl benzyl phthalate	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Caprolactam	ND		40000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Carbazole	3300	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Chrysene	13000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Di-n-butyl phthalate	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Di-n-octyl phthalate	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Dibenzo(a,h)anthracene	1500	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Dibenzofuran	4400	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Diethyl phthalate	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Dimethyl phthalate	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM

Sample ID: FS-MW04RK-D35-S-0
Lab Sample ID: A3891802
Date Collected: 09/16/2003
Time Collected: 16:00

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	45000		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Fluorene	4600	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Hexachlorobenzene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Hexachlorobutadiene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Hexachlorocyclopentadiene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Hexachloroethane	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Indeno(1,2,3-cd)pyrene	1600	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Isophorone	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
N-Nitroso-Di-n-propylamine	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
N-nitrosodiphenylamine	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Naphthalene	4600	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Nitrobenzene	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Pentachlorophenol	ND		48000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Phenanthrene	42000		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Phenol	ND		20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
Pyrene	16000	J	20000	UG/KG	EPA SVOA	09/26/2003 17:54	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		45	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		45	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	20	JP	45	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		23	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		23	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		450	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		920	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		450	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		450	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		450	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	480		450	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		450	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	16	JP	23	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		45	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		45	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		45	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		45	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	9.3	JP	45	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	36	JP	45	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		23	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		23	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	51	JP	230	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		2300	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	3640	*	2.3	MG/KG	CLP-M	09/30/2003 14:01	

Sample ID: FS-MW04RK-D35-S-0
Lab Sample ID: A3891802
Date Collected: 09/16/2003
Time Collected: 16:00

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	7.8	N*	0.51	MG/KG	CLP-M	09/30/2003 14:01	
Arsenic - Total	10.3	N*	0.41	MG/KG	CLP-M	09/30/2003 14:01	
Barium - Total	211	N*	0.02	MG/KG	CLP-M	09/30/2003 14:01	
Beryllium - Total	0.38	B	0.01	MG/KG	CLP-M	09/30/2003 14:01	
Cadmium - Total	ND	N*	0.04	MG/KG	CLP-M	09/30/2003 14:01	
Calcium - Total	24200	E	1.8	MG/KG	CLP-M	09/30/2003 14:01	
Chromium - Total	45.2	N*	0.11	MG/KG	CLP-M	09/30/2003 14:01	
Cobalt - Total	5.4	B	0.09	MG/KG	CLP-M	09/30/2003 14:01	
Copper - Total	1280	*	0.21	MG/KG	CLP-M	09/30/2003 14:01	
Iron - Total	41500	*	2.0	MG/KG	CLP-M	09/30/2003 14:01	
Lead - Total	1060	*	0.20	MG/KG	CLP-M	09/30/2003 14:01	
Magnesium - Total	2720		1.3	MG/KG	CLP-M	09/30/2003 14:01	
Manganese - Total	457	*	0.02	MG/KG	CLP-M	09/30/2003 14:01	
Mercury - Total	20.2	*	0.096	MG/KG	CLP-M	10/07/2003 13:02	
Nickel - Total	30.3	N	0.11	MG/KG	CLP-M	09/30/2003 14:01	
Potassium - Total	1150		6.5	MG/KG	CLP-M	09/30/2003 14:01	
Selenium - Total	3.2	BN	0.35	MG/KG	CLP-M	09/30/2003 14:01	
Silver - Total	1.3		0.09	MG/KG	CLP-M	09/30/2003 14:01	
Sodium - Total	146	B	31.1	MG/KG	CLP-M	09/30/2003 14:01	
Thallium - Total	5.3	N*	0.47	MG/KG	CLP-M	09/30/2003 14:01	
Vanadium - Total	11.2		0.10	MG/KG	CLP-M	09/30/2003 14:01	
Zinc - Total	1300		1.1	MG/KG	CLP-M	09/30/2003 15:38	
Wet Chemistry Analysis							
Cyanide - Total	4.2		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.40		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-MW04RK-D68-S-0
Lab Sample ID: A3891803
Date Collected: 09/16/2003
Time Collected: 16:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA,	09/25/2003 14:49	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
2-Hexanone	3	BJ	11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
4-Methyl-2-pentanone	2	BJ	11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Methylene chloride	7	J	11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/25/2003 14:49	DGP

Sample ID: FS-MW04RK-D68-S-0
Lab Sample ID: A3891803
Date Collected: 09/16/2003
Time Collected: 16:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4,5-Trichlorophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4,6-Trichlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4-Dichlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4-Dimethylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4-Dinitrophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,4-Dinitrotoluene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2,6-Dinitrotoluene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Chloronaphthalene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Chlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Methylnaphthalene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
2-Nitrophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
3,3'-Dichlorobenzidine	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
3-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4,6-Dinitro-2-methylphenol	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Bromophenyl phenyl ether	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Chloro-3-methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Chloroaniline	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Chlorophenyl phenyl ether	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
4-Nitrophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Acenaphthene	23	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Acenaphthylene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Acetophenone	ND		760	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Anthracene	63	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Atrazine	ND		760	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzaldehyde	ND		760	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzo(a)anthracene	160	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzo(a)pyrene	89	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzo(b)fluoranthene	120	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzo(ghi)perylene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Benzo(k)fluoranthene	89	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Biphenyl	ND		760	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Bis(2-chloroethoxy) methane	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Bis(2-chloroethyl) ether	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Bis(2-ethylhexyl) phthalate	170	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Butyl benzyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Caprolactam	ND		760	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Carbazole	29	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Chrysene	130	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Di-n-butyl phthalate	37	BJ	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Di-n-octyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Dibenzo(a,h)anthracene	27	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Dibenzofuran	20	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Diethyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Dimethyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM

Sample ID: FS-MW04RK-D68-S-0
Lab Sample ID: A3891803
Date Collected: 09/16/2003
Time Collected: 16:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	350	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Fluorene	21	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Hexachlorobenzene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Hexachlorobutadiene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Hexachlorocyclopentadiene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Hexachloroethane	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Indeno(1,2,3-cd)pyrene	50	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Isophorone	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
N-Nitroso-Di-n-propylamine	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
N-nitrosodiphenylamine	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Naphthalene	24	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Nitrobenzene	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Pentachlorophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Phenanthrene	290	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Phenol	ND		380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
Pyrene	280	J	380	UG/KG	EPA SVOA	09/25/2003 19:12	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		38	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		77	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		38	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		38	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		38	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		38	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		38	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	ND		3.8	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		2.0	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	7730	*	2.1	MG/KG	CLP-M	09/30/2003 14:53	

Sample ID: FS-MW04RK-D68-S-0
Lab Sample ID: A3891803
Date Collected: 09/16/2003
Time Collected: 16:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.3	BN*	0.46	MG/KG	CLP-M	09/30/2003 14:53	
Arsenic - Total	14.2	N*	0.37	MG/KG	CLP-M	09/30/2003 14:53	
Barium - Total	69.8	N*	0.02	MG/KG	CLP-M	09/30/2003 14:53	
Beryllium - Total	0.54	B	0.01	MG/KG	CLP-M	09/30/2003 14:53	
Cadmium - Total	ND	N*	0.03	MG/KG	CLP-M	09/30/2003 14:53	
Calcium - Total	96900		16.3	MG/KG	CLP-M	10/04/2003 12:28	
Chromium - Total	9.9	N*	0.10	MG/KG	CLP-M	09/30/2003 14:53	
Cobalt - Total	10.8		0.08	MG/KG	CLP-M	09/30/2003 14:53	
Copper - Total	52.3	*	0.19	MG/KG	CLP-M	09/30/2003 14:53	
Iron - Total	20200	*	1.8	MG/KG	CLP-M	09/30/2003 14:53	
Lead - Total	41.1	*	0.18	MG/KG	CLP-M	09/30/2003 14:53	
Magnesium - Total	4700		1.1	MG/KG	CLP-M	09/30/2003 14:53	
Manganese - Total	1630	*	0.02	MG/KG	CLP-M	09/30/2003 14:53	
Mercury - Total	0.064	*	0.009	MG/KG	CLP-M	10/07/2003 12:41	
Nickel - Total	15.3	N	0.10	MG/KG	CLP-M	09/30/2003 14:53	
Potassium - Total	1820		5.9	MG/KG	CLP-M	09/30/2003 14:53	
Selenium - Total	1.5	BN	0.32	MG/KG	CLP-M	09/30/2003 14:53	
Silver - Total	0.49	B	0.08	MG/KG	CLP-M	09/30/2003 14:53	
Sodium - Total	104	B	28.3	MG/KG	CLP-M	09/30/2003 14:53	
Thallium - Total	2.8	N*	0.43	MG/KG	CLP-M	09/30/2003 14:53	
Vanadium - Total	13.6		0.09	MG/KG	CLP-M	09/30/2003 14:53	
Zinc - Total	74.3		0.19	MG/KG	CLP-M	09/30/2003 14:53	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.63		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS01-S-0
Lab Sample ID: A3883401
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4,5-Trichlorophenol	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4,6-Trichlorophenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4-Dichlorophenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4-Dimethylphenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4-Dinitrophenol	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,4-Dinitrotoluene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2,6-Dinitrotoluene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Chloronaphthalene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Chlorophenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Methylnaphthalene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Methylphenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Nitroaniline	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
2-Nitrophenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
3,3'-Dichlorobenzidine	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
3-Nitroaniline	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4,6-Dinitro-2-methylphenol	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Bromophenyl phenyl ether	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Chloro-3-methylphenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Chloroaniline	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Chlorophenyl phenyl ether	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Methylphenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Nitroaniline	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
4-Nitrophenol	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Acenaphthene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Acenaphthylene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Acetophenone	ND		30000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Anthracene	410	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Atrazine	ND		30000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzaldehyde	ND		30000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzo(a)anthracene	16000		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzo(a)pyrene	7300	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzo(b)fluoranthene	13000	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzo(ghi)perylene	640	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Benzo(k)fluoranthene	16000		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Biphenyl	ND		30000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Bis(2-chloroethoxy) methane	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Bis(2-chloroethyl) ether	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Bis(2-ethylhexyl) phthalate	40000	B	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Butyl benzyl phthalate	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Caprolactam	ND		30000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Carbazole	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Chrysene	25000		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Di-n-butyl phthalate	2200	BJ	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Di-n-octyl phthalate	640	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Dibenzo(a,h)anthracene	1900	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Dibenzofuran	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Diethyl phthalate	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Dimethyl phthalate	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM

Sample ID: FS-SS01-S-0
Lab Sample ID: A3883401
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	4000	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Fluorene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Hexachlorobenzene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Hexachlorobutadiene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Hexachlorocyclopentadiene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Hexachloroethane	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Indeno(1,2,3-cd)pyrene	1200	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Isophorone	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
N-Nitroso-Di-n-propylamine	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
N-nitrosodiphenylamine	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Naphthalene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Nitrobenzene	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Pentachlorophenol	ND		36000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Phenanthrene	6600	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Phenol	ND		15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
Pyrene	8700	J	15000	UG/KG	EPA SVOA	09/27/2003 13:28	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		37	UG/KG	EPA P/PCB	09/27/2003	
4,4'-DDE	ND		37	UG/KG	EPA P/PCB	09/27/2003	
4,4'-DDT	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/27/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/27/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1016	ND		370	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1221	ND		750	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1232	ND		370	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1242	ND		370	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1248	ND		370	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1254	1100	P	370	UG/KG	EPA P/PCB	09/27/2003	
Aroclor 1260	ND		370	UG/KG	EPA P/PCB	09/27/2003	
beta-BHC	ND		19	UG/KG	EPA P/PCB	09/27/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Dieldrin	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Endosulfan II	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Endosulfan Sulfate	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Endrin	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Endrin aldehyde	ND		37	UG/KG	EPA P/PCB	09/27/2003	
Endrin ketone	ND		37	UG/KG	EPA P/PCB	09/27/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/27/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/27/2003	
Methoxychlor	ND		190	UG/KG	EPA P/PCB	09/27/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/27/2003	
Metals Analysis							
Aluminum - Total	6160	*	2.2	MG/KG	CLP-M	09/20/2003 05:41	BKL

STL Buffalo

Sample ID: FS-SS01-S-0
Lab Sample ID: A3883401
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	148	N	0.48	MG/KG	CLP-M	09/20/2003 05:41	BKL
Arsenic - Total	47.5	N	0.39	MG/KG	CLP-M	09/20/2003 05:41	BKL
Barium - Total	1250	N*	0.24	MG/KG	CLP-M	09/20/2003 06:59	BKL
Beryllium - Total	0.70		0.01	MG/KG	CLP-M	09/20/2003 05:41	BKL
Cadmium - Total	16.7		0.04	MG/KG	CLP-M	09/20/2003 05:41	BKL
Calcium - Total	12400	E	1.7	MG/KG	CLP-M	09/20/2003 05:41	BKL
Chromium - Total	186	*	0.11	MG/KG	CLP-M	09/20/2003 05:41	BKL
Cobalt - Total	25.0		0.08	MG/KG	CLP-M	09/20/2003 05:41	BKL
Copper - Total	15900	N*	2.0	MG/KG	CLP-M	09/20/2003 06:59	BKL
Iron - Total	202000	E	19.0	MG/KG	CLP-M	09/20/2003 06:59	BKL
Lead - Total	7240	*	1.9	MG/KG	CLP-M	09/20/2003 06:59	BKL
Magnesium - Total	2740	*	1.2	MG/KG	CLP-M	09/20/2003 05:41	BKL
Manganese - Total	1150	E	0.02	MG/KG	CLP-M	09/20/2003 05:41	BKL
Mercury - Total	5.3	*	0.094	MG/KG	CLP-M	09/26/2003 14:47	AJY
Nickel - Total	289	E	0.11	MG/KG	CLP-M	09/20/2003 05:41	BKL
Potassium - Total	505	B	6.2	MG/KG	CLP-M	09/20/2003 05:41	BKL
Selenium - Total	10.0		0.33	MG/KG	CLP-M	09/20/2003 05:41	BKL
Silver - Total	19.2		0.08	MG/KG	CLP-M	09/20/2003 05:41	BKL
Sodium - Total	669		29.6	MG/KG	CLP-M	09/20/2003 05:41	BKL
Thallium - Total	28.7		0.45	MG/KG	CLP-M	09/20/2003 05:41	BKL
Vanadium - Total	103		0.09	MG/KG	CLP-M	09/20/2003 05:41	BKL
Zinc - Total	16600	E*	20.1	MG/KG	CLP-M	09/20/2003 06:55	BKL
Wet Chemistry Analysis							
Cyanide - Total	1.6		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.52		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS01-S-ODL
Lab Sample ID: A3883401DL
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		370	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		370	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		190	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		190	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		3700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		7500	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		3700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		3700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		3700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	1900	DJP	3700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		3700	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		190	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		370	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		190	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		1900	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		19000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-SS02-S-0
Lab Sample ID: A3883402
Date Collected: 09/15/2003
Time Collected: 13:35

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4,5-Trichlorophenol	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4,6-Trichlorophenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4-Dichlorophenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4-Dimethylphenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4-Dinitrophenol	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,4-Dinitrotoluene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2,6-Dinitrotoluene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Chloronaphthalene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Chlorophenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Methylnaphthalene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Methylphenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
2-Nitrophenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
3,3'-Dichlorobenzidine	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
3-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4,6-Dinitro-2-methylphenol	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Bromophenyl phenyl ether	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Chloro-3-methylphenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Chloroaniline	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Chlorophenyl phenyl ether	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Methylphenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
4-Nitrophenol	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Acenaphthene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Acenaphthylene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Acetophenone	ND		18000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Anthracene	500	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Atrazine	ND		18000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzaldehyde	ND		18000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzo(a)anthracene	6600	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzo(a)pyrene	1600	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzo(b)fluoranthene	5200	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzo(ghi)perylene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Benzo(k)fluoranthene	2600	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Biphenyl	ND		18000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Bis(2-chloroethoxy) methane	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Bis(2-chloroethyl) ether	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Bis(2-ethylhexyl) phthalate	24000	B	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Butyl benzyl phthalate	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Caprolactam	ND		18000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Carbazole	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Chrysene	8700	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Di-n-butyl phthalate	1300	BJ	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Di-n-octyl phthalate	300	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Dibenzo(a,h)anthracene	600	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Dibenzofuran	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Diethyl phthalate	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Dimethyl phthalate	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM

Sample ID: FS-SS02-S-0
Lab Sample ID: A3883402
Date Collected: 09/15/2003
Time Collected: 13:35

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	5600	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Fluorene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Hexachlorobenzene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Hexachlorobutadiene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Hexachlorocyclopentadiene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Hexachloroethane	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Indeno(1,2,3-cd)pyrene	440	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Isophorone	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
N-Nitroso-Di-n-propylamine	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
N-nitrosodiphenylamine	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Naphthalene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Nitrobenzene	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Pentachlorophenol	ND		21000	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Phenanthrene	4500	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Phenol	ND		8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
Pyrene	3400	J	8800	UG/KG	EPA SVOA	09/27/2003 14:02	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		44	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		44	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		22	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		22	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		440	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		880	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		440	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		440	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		440	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	2100	P	440	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		440	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		22	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		44	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		44	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		22	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		22	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		220	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		2200	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	5110	*	2.5	MG/KG	CLP-M	09/20/2003 05:45	BKL

Sample ID: FS-SS02-S-0
Lab Sample ID: A3883402
Date Collected: 09/15/2003
Time Collected: 13:35

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	149	N	0.57	MG/KG	CLP-M	09/20/2003 05:45	BKL
Arsenic - Total	36.1	N	0.46	MG/KG	CLP-M	09/20/2003 05:45	BKL
Barium - Total	1230	N*	0.03	MG/KG	CLP-M	09/20/2003 05:45	BKL
Beryllium - Total	0.40	B	0.01	MG/KG	CLP-M	09/20/2003 05:45	BKL
Cadmium - Total	37.9		0.04	MG/KG	CLP-M	09/20/2003 05:45	BKL
Calcium - Total	10800	E	2.0	MG/KG	CLP-M	09/20/2003 05:45	BKL
Chromium - Total	130	*	0.12	MG/KG	CLP-M	09/20/2003 05:45	BKL
Cobalt - Total	34.9		0.10	MG/KG	CLP-M	09/20/2003 05:45	BKL
Copper - Total	51000	N*	199	MG/KG	CLP-M	09/20/2003 07:04	BKL
Iron - Total	231000	E	22.2	MG/KG	CLP-M	09/20/2003 07:09	BKL
Lead - Total	7610	*	2.2	MG/KG	CLP-M	09/20/2003 07:09	BKL
Magnesium - Total	2620	*	1.4	MG/KG	CLP-M	09/20/2003 05:45	BKL
Manganese - Total	1380	E	0.03	MG/KG	CLP-M	09/20/2003 05:45	BKL
Mercury - Total	7.3	*	0.113	MG/KG	CLP-M	09/26/2003 14:49	AJY
Nickel - Total	549	E	0.12	MG/KG	CLP-M	09/20/2003 05:45	BKL
Potassium - Total	558	B	7.2	MG/KG	CLP-M	09/20/2003 05:45	BKL
Selenium - Total	10.7		0.39	MG/KG	CLP-M	09/20/2003 05:45	BKL
Silver - Total	12.8		0.10	MG/KG	CLP-M	09/20/2003 05:45	BKL
Sodium - Total	836		34.6	MG/KG	CLP-M	09/20/2003 05:45	BKL
Thallium - Total	32.7		0.52	MG/KG	CLP-M	09/20/2003 05:45	BKL
Vanadium - Total	15.6		0.11	MG/KG	CLP-M	09/20/2003 05:45	BKL
Zinc - Total	21900	E*	23.5	MG/KG	CLP-M	09/20/2003 07:04	BKL
Wet Chemistry Analysis							
Cyanide - Total	2.2		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.32		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS03-S-0
Lab Sample ID: A3891602
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4,5-Trichlorophenol	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4,6-Trichlorophenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4-Dichlorophenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4-Dimethylphenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4-Dinitrophenol	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,4-Dinitrotoluene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2,6-Dinitrotoluene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Chloronaphthalene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Chlorophenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Methylnaphthalene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Methylphenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Nitroaniline	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
2-Nitrophenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
3,3'-Dichlorobenzidine	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
3-Nitroaniline	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4,6-Dinitro-2-methylphenol	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Bromophenyl phenyl ether	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Chloro-3-methylphenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Chloroaniline	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Chlorophenyl phenyl ether	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Methylphenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Nitroaniline	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
4-Nitrophenol	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Acenaphthene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Acenaphthylene	69	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Acetophenone	ND		3800	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Anthracene	58	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Atrazine	ND		3800	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzaldehyde	ND		3800	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzo(a)anthracene	220	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzo(a)pyrene	120	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzo(b)fluoranthene	320	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzo(ghi)perylene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Benzo(k)fluoranthene	270	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Biphenyl	ND		3800	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Bis(2-chloroethoxy) methane	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Bis(2-chloroethyl) ether	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Bis(2-ethylhexyl) phthalate	84	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Butyl benzyl phthalate	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Caprolactam	ND		3800	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Carbazole	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Chrysene	260	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Di-n-butyl phthalate	93	BJ	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Di-n-octyl phthalate	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Dibenzo(a,h)anthracene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Dibenzofuran	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Diethyl phthalate	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Dimethyl phthalate	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM

Sample ID: FS-SS03-S-0
Lab Sample ID: A3891602
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	550	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Fluorene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Hexachlorobenzene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Hexachlorobutadiene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Hexachlorocyclopentadiene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Hexachloroethane	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Indeno(1,2,3-cd)pyrene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Isophorone	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
N-Nitroso-Di-n-propylamine	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
N-nitrosodiphenylamine	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Naphthalene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Nitrobenzene	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Pentachlorophenol	ND		4600	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Phenanthrene	220	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Phenol	ND		1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
Pyrene	390	J	1900	UG/KG	EPA SVOA	09/26/2003 15:37	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	1.2	JP	3.7	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	2.2	JP	3.7	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	0.88	J	1.9	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		76	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	2.0		1.9	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	1480	*	2.2	MG/KG	CLP-M	09/30/2003 13:33	

Sample ID: FS-SS03-S-0
Lab Sample ID: A3891602
Date Collected: 09/15/2003
Time Collected: 13:25

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	22.3	N*	0.48	MG/KG	CLP-M	09/30/2003 13:33	
Arsenic - Total	59.6	N*	0.39	MG/KG	CLP-M	09/30/2003 13:33	
Barium - Total	755	N*	0.02	MG/KG	CLP-M	09/30/2003 13:33	
Beryllium - Total	0.18	B	0.01	MG/KG	CLP-M	09/30/2003 13:33	
Cadmium - Total	ND	N*	0.04	MG/KG	CLP-M	09/30/2003 13:33	
Calcium - Total	12000	E	1.7	MG/KG	CLP-M	09/30/2003 13:33	
Chromium - Total	59.3	N*	0.11	MG/KG	CLP-M	09/30/2003 13:33	
Cobalt - Total	20.0		0.08	MG/KG	CLP-M	09/30/2003 13:33	
Copper - Total	3500	*	2.0	MG/KG	CLP-M	09/30/2003 14:58	
Iron - Total	149000	*	19.0	MG/KG	CLP-M	09/30/2003 14:58	
Lead - Total	2390	*	0.19	MG/KG	CLP-M	09/30/2003 13:33	
Magnesium - Total	2410		1.2	MG/KG	CLP-M	09/30/2003 13:33	
Manganese - Total	1870	*	0.02	MG/KG	CLP-M	09/30/2003 13:33	
Mercury - Total	1.4	*	0.010	MG/KG	CLP-M	10/07/2003 12:29	
Nickel - Total	37.4	N	0.11	MG/KG	CLP-M	09/30/2003 13:33	
Potassium - Total	359	B	6.2	MG/KG	CLP-M	09/30/2003 13:33	
Selenium - Total	5.5	N	0.33	MG/KG	CLP-M	09/30/2003 13:33	
Silver - Total	3.2		0.08	MG/KG	CLP-M	09/30/2003 13:33	
Sodium - Total	288	B	29.6	MG/KG	CLP-M	09/30/2003 13:33	
Thallium - Total	13.9	N*	0.45	MG/KG	CLP-M	09/30/2003 13:33	
Vanadium - Total	14.3		0.09	MG/KG	CLP-M	09/30/2003 13:33	
Zinc - Total	3810		2.0	MG/KG	CLP-M	09/30/2003 14:58	
Wet Chemistry Analysis							
Cyanide - Total	1.3		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	6.99		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS04-S-0
Lab Sample ID: A3891603
Date Collected: 09/15/2003
Time Collected: 13:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4,5-Trichlorophenol	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4,6-Trichlorophenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4-Dichlorophenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4-Dimethylphenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4-Dinitrophenol	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,4-Dinitrotoluene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2,6-Dinitrotoluene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Chloronaphthalene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Chlorophenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Methylnaphthalene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Methylphenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
2-Nitrophenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
3,3'-Dichlorobenzidine	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
3-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4,6-Dinitro-2-methylphenol	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Bromophenyl phenyl ether	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Chloro-3-methylphenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Chloroaniline	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Chlorophenyl phenyl ether	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Methylphenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Nitroaniline	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
4-Nitrophenol	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Acenaphthene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Acenaphthylene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Acetophenone	ND		17000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Anthracene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Atrazine	ND		17000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzaldehyde	ND		17000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzo(a)anthracene	600	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzo(a)pyrene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzo(b)fluoranthene	940	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzo(ghi)perylene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Benzo(k)fluoranthene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Biphenyl	ND		17000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Bis(2-chloroethoxy) methane	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Bis(2-chloroethyl) ether	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Bis(2-ethylhexyl) phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Butyl benzyl phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Caprolactam	ND		17000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Carbazole	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Chrysene	680	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Di-n-butyl phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Di-n-octyl phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Dibenzo(a,h)anthracene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Dibenzofuran	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Diethyl phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Dimethyl phthalate	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM

Sample ID: FS-SS04-S-0
Lab Sample ID: A3891603
Date Collected: 09/15/2003
Time Collected: 13:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1500	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Fluorene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Hexachlorobenzene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Hexachlorobutadiene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Hexachlorocyclopentadiene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Hexachloroethane	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Indeno(1,2,3-cd)pyrene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Isophorone	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
N-Nitroso-Di-n-propylamine	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
N-nitrosodiphenylamine	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Naphthalene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Nitrobenzene	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Pentachlorophenol	ND		21000	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Phenanthrene	1000	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Phenol	ND		8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
Pyrene	560	J	8500	UG/KG	EPA SVOA	09/26/2003 16:11	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		17	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	7.1	JP	17	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	52	P	17	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		170	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		340	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		170	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		170	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		170	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		170	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		170	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	11	JP	17	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		17	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		17	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		17	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	8.6	JP	17	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	8.8	JP	17	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		8.7	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		87	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		870	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	4480	*	2.4	MG/KG	CLP-M	09/30/2003 13:47	

Sample ID: FS-SS04-S-0
Lab Sample ID: A3891603
Date Collected: 09/15/2003
Time Collected: 13:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	5.9	BN*	0.54	MG/KG	CLP-M	09/30/2003 13:47	
Arsenic - Total	15.7	N*	0.43	MG/KG	CLP-M	09/30/2003 13:47	
Barium - Total	211	N*	0.03	MG/KG	CLP-M	09/30/2003 13:47	
Beryllium - Total	0.91		0.01	MG/KG	CLP-M	09/30/2003 13:47	
Cadmium - Total	2.4	N*	0.04	MG/KG	CLP-M	09/30/2003 13:47	
Calcium - Total	8950	E	1.9	MG/KG	CLP-M	09/30/2003 13:47	
Chromium - Total	26.8	N*	0.12	MG/KG	CLP-M	09/30/2003 13:47	
Cobalt - Total	6.0	B	0.09	MG/KG	CLP-M	09/30/2003 13:47	
Copper - Total	163	*	0.22	MG/KG	CLP-M	09/30/2003 13:47	
Iron - Total	20000	*	2.1	MG/KG	CLP-M	09/30/2003 13:47	
Lead - Total	319	*	0.21	MG/KG	CLP-M	09/30/2003 13:47	
Magnesium - Total	2140		1.3	MG/KG	CLP-M	09/30/2003 13:47	
Manganese - Total	381	*	0.03	MG/KG	CLP-M	09/30/2003 13:47	
Mercury - Total	0.890	*	0.010	MG/KG	CLP-M	10/07/2003 12:31	
Nickel - Total	46.1	N	0.12	MG/KG	CLP-M	09/30/2003 13:47	
Potassium - Total	700		6.8	MG/KG	CLP-M	09/30/2003 13:47	
Selenium - Total	2.2	BN	0.37	MG/KG	CLP-M	09/30/2003 13:47	
Silver - Total	0.85	B	0.09	MG/KG	CLP-M	09/30/2003 13:47	
Sodium - Total	173	B	32.7	MG/KG	CLP-M	09/30/2003 13:47	
Thallium - Total	2.9	N*	0.50	MG/KG	CLP-M	09/30/2003 13:47	
Vanadium - Total	35.0		0.10	MG/KG	CLP-M	09/30/2003 13:47	
Zinc - Total	775		1.1	MG/KG	CLP-M	09/30/2003 15:13	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.2	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.15		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS04-S-ORI
Lab Sample ID: A3891603RI
Date Collected: 09/15/2003
Time Collected: 13:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4,5-Trichlorophenol	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4,6-Trichlorophenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4-Dichlorophenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4-Dimethylphenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4-Dinitrophenol	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,4-Dinitrotoluene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2,6-Dinitrotoluene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Chloronaphthalene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Chlorophenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Methylnaphthalene	230	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Methylphenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Nitroaniline	180	J	5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
2-Nitrophenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
3,3'-Dichlorobenzidine	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
3-Nitroaniline	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4,6-Dinitro-2-methylphenol	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Bromophenyl phenyl ether	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Chloro-3-methylphenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Chloroaniline	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Chlorophenyl phenyl ether	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Methylphenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Nitroaniline	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
4-Nitrophenol	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Acenaphthene	150	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Acenaphthylene	62	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Acetophenone	ND		4300	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Anthracene	360	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Atrazine	ND		4300	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzaldehyde	ND		4300	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzo(a)anthracene	1100	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzo(a)pyrene	300	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzo(b)fluoranthene	1500	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzo(ghi)perylene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Benzo(k)fluoranthene	700	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Biphenyl	ND		4300	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Bis(2-chloroethoxy) methane	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Bis(2-chloroethyl) ether	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Bis(2-ethylhexyl) phthalate	510	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Butyl benzyl phthalate	110	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Caprolactam	ND		4300	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Carbazole	160	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Chrysene	1100	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Di-n-butyl phthalate	130	BJ	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Di-n-octyl phthalate	86	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Dibenzo(a,h)anthracene	220	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Dibenzofuran	77	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Diethyl phthalate	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Dimethyl phthalate	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM

Sample ID: FS-SS04-S-ORI
Lab Sample ID: A3891603RI
Date Collected: 09/15/2003
Time Collected: 13:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2500		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Fluorene	160	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Hexachlorobenzene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Hexachlorobutadiene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Hexachlorocyclopentadiene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Hexachloroethane	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Indeno(1,2,3-cd)pyrene	140	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Isophorone	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
N-Nitroso-Di-n-propylamine	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
N-nitrosodiphenylamine	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Naphthalene	100	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Nitrobenzene	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Pentachlorophenol	ND		5200	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Phenanthrene	1800	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Phenol	ND		2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM
Pyrene	1700	J	2100	UG/KG	EPA SVOA	09/27/2003 15:11	PM

Sample ID: FS-SS05-S-0
Lab Sample ID: A3894801
Date Collected: 09/17/2003
Time Collected: 08:30

Date Received: 09/18/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4,5-Trichlorophenol	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4,6-Trichlorophenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4-Dichlorophenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4-Dimethylphenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4-Dinitrophenol	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,4-Dinitrotoluene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2,6-Dinitrotoluene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Chloronaphthalene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Chlorophenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Methylnaphthalene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Methylphenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Nitroaniline	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
2-Nitrophenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
3,3'-Dichlorobenzidine	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
3-Nitroaniline	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4,6-Dinitro-2-methylphenol	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Bromophenyl phenyl ether	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Chloro-3-methylphenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Chloroaniline	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Chlorophenyl phenyl ether	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Methylphenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Nitroaniline	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
4-Nitrophenol	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Acenaphthene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Acenaphthylene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Acetophenone	ND		7800	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Anthracene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Atrazine	ND		7800	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzaldehyde	ND		7800	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzo(a)anthracene	690	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzo(a)pyrene	150	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzo(b)fluoranthene	680	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzo(ghi)perylene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Benzo(k)fluoranthene	890	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Biphenyl	ND		7800	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Bis(2-chloroethoxy) methane	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Bis(2-chloroethyl) ether	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Bis(2-ethylhexyl) phthalate	5500		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Butyl benzyl phthalate	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Caprolactam	ND		7800	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Carbazole	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Chrysene	730	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Di-n-butyl phthalate	400	BJ	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Di-n-octyl phthalate	15000		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Dibenzo(a,h)anthracene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Dibenzofuran	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Diethyl phthalate	23000		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Dimethyl phthalate	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM

Sample ID: FS-SS05-S-0
Lab Sample ID: A3894801
Date Collected: 09/17/2003
Time Collected: 08:30

Date Received: 09/18/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1500	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Fluorene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Hexachlorobenzene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Hexachlorobutadiene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Hexachlorocyclopentadiene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Hexachloroethane	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Indeno(1,2,3-cd)pyrene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Isophorone	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
N-Nitroso-Di-n-propylamine	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
N-nitrosodiphenylamine	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Naphthalene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Nitrobenzene	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Pentachlorophenol	ND		9500	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Phenanthrene	530	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Phenol	ND		3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
Pyrene	580	J	3900	UG/KG	EPA SVOA	09/26/2003 18:28	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		39	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		39	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		20	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		20	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		800	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	4600		390	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		390	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		20	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		39	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	ND		39	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		20	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		20	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		2000	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	8640		2.2	MG/KG	CLP-M	09/30/2003 16:40	

Sample ID: FS-SS05-S-0
Lab Sample ID: A3894801
Date Collected: 09/17/2003
Time Collected: 08:30

Date Received: 09/18/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	33.9	*	0.50	MG/KG	CLP-M	09/30/2003 16:40	
Arsenic - Total	37.8		0.40	MG/KG	CLP-M	09/30/2003 16:40	
Barium - Total	2440	*	0.49	MG/KG	CLP-M	10/02/2003 15:08	
Beryllium - Total	0.87		0.01	MG/KG	CLP-M	09/30/2003 16:40	
Cadmium - Total	16.6		0.04	MG/KG	CLP-M	09/30/2003 16:40	
Calcium - Total	14200	*	1.8	MG/KG	CLP-M	09/30/2003 16:40	
Chromium - Total	125		0.11	MG/KG	CLP-M	09/30/2003 16:40	
Cobalt - Total	13.4		0.09	MG/KG	CLP-M	09/30/2003 16:40	
Copper - Total	1560		0.21	MG/KG	CLP-M	09/30/2003 16:40	
Iron - Total	87500	*	39.2	MG/KG	CLP-M	10/02/2003 15:08	
Lead - Total	2860	E	0.19	MG/KG	CLP-M	09/30/2003 16:40	
Magnesium - Total	3070	*	1.2	MG/KG	CLP-M	09/30/2003 16:40	
Manganese - Total	820	E	0.02	MG/KG	CLP-M	09/30/2003 16:40	
Mercury - Total	8.0	*	0.099	MG/KG	CLP-M	10/07/2003 13:12	
Nickel - Total	152		0.11	MG/KG	CLP-M	09/30/2003 16:40	
Potassium - Total	675		6.3	MG/KG	CLP-M	09/30/2003 16:40	
Selenium - Total	4.6		0.34	MG/KG	CLP-M	09/30/2003 16:40	
Silver - Total	8.2	E	0.09	MG/KG	CLP-M	09/30/2003 16:40	
Sodium - Total	537	B	30.5	MG/KG	CLP-M	09/30/2003 16:40	
Thallium - Total	9.4	*	0.46	MG/KG	CLP-M	09/30/2003 16:40	
Vanadium - Total	21.9		0.10	MG/KG	CLP-M	09/30/2003 16:40	
Zinc - Total	5710	E	4.1	MG/KG	CLP-M	10/02/2003 15:08	
Wet Chemistry Analysis							
Cyanide - Total	1.5		1.0	MG/KG	CLP-WC	09/25/2003 15:41	JMS
Leachable pH	7.45		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS05-S-ODL
Lab Sample ID: A3894801DL
Date Collected: 09/17/2003
Time Collected: 08:30

Date Received: 09/18/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		390	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		390	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		200	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		200	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		3900	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		8000	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		3900	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		3900	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		3900	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	4700	D	3900	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		3900	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		200	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		390	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	ND		390	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		200	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		200	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		2000	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		20000	UG/KG	EPA P/PCB	09/26/2003	

Sample ID: FS-SS06-S-0
Lab Sample ID: A3883403
Date Collected: 09/15/2003
Time Collected: 11:00

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4,5-Trichlorophenol	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4,6-Trichlorophenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4-Dichlorophenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4-Dimethylphenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4-Dinitrophenol	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,4-Dinitrotoluene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2,6-Dinitrotoluene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Chloronaphthalene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Chlorophenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Methylnaphthalene	9200	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Methylphenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Nitroaniline	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
2-Nitrophenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
3,3'-Dichlorobenzidine	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
3-Nitroaniline	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4,6-Dinitro-2-methylphenol	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Bromophenyl phenyl ether	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Chloro-3-methylphenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Chloroaniline	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Chlorophenyl phenyl ether	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Methylphenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Nitroaniline	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
4-Nitrophenol	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Acenaphthene	33000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Acenaphthylene	2100	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Acetophenone	ND		72000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Anthracene	57000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Atrazine	ND		72000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzaldehyde	ND		72000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzo(a)anthracene	110000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzo(a)pyrene	20000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzo(b)fluoranthene	160000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzo(ghi)perylene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Benzo(k)fluoranthene	200000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Biphenyl	ND		72000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Bis(2-chloroethoxy) methane	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Bis(2-chloroethyl) ether	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Bis(2-ethylhexyl) phthalate	50000	B	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Butyl benzyl phthalate	36000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Caprolactam	ND		72000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Carbazole	33000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Chrysene	92000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Di-n-butyl phthalate	1500	BJ	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Di-n-octyl phthalate	940	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Dibenzo(a,h)anthracene	16000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Dibenzofuran	26000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Diethyl phthalate	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Dimethyl phthalate	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM

Sample ID: FS-SS06-S-0
Lab Sample ID: A3883403
Date Collected: 09/15/2003
Time Collected: 11:00

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	240000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Fluorene	48000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Hexachlorobenzene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Hexachlorobutadiene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Hexachlorocyclopentadiene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Hexachloroethane	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Indeno(1,2,3-cd)pyrene	12000	J	36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Isophorone	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
N-Nitroso-Di-n-propylamine	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
N-nitrosodiphenylamine	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Naphthalene	36000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Nitrobenzene	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Pentachlorophenol	ND		88000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Phenanthrene	250000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Phenol	ND		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
Pyrene	74000		36000	UG/KG	EPA SVOA	09/26/2003 13:53	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		36	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	9.7	JP	36	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	43		36	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		740	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		360	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	16	JP	19	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	14	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		36	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		36	UG/KG	EPA P/PCB	09/25/2003	
Endrin	20	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		36	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		36	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	25	JP	190	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	11200	*	2.0	MG/KG	CLP-M	09/20/2003 05:50	BKL

STL Buffalo

Sample ID: FS-SS06-S-0
Lab Sample ID: A3883403
Date Collected: 09/15/2003
Time Collected: 11:00

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	2.1	BN	0.44	MG/KG	CLP-M	09/20/2003 05:50	BKL
Arsenic - Total	9.2	N	0.36	MG/KG	CLP-M	09/20/2003 05:50	BKL
Barium - Total	125	N*	0.02	MG/KG	CLP-M	09/20/2003 05:50	BKL
Beryllium - Total	0.61		0.01	MG/KG	CLP-M	09/20/2003 05:50	BKL
Cadmium - Total	0.53	B	0.03	MG/KG	CLP-M	09/20/2003 05:50	BKL
Calcium - Total	81300	E	15.5	MG/KG	CLP-M	09/20/2003 07:24	BKL
Chromium - Total	11.1	*	0.10	MG/KG	CLP-M	09/20/2003 05:50	BKL
Cobalt - Total	5.2	B	0.08	MG/KG	CLP-M	09/20/2003 05:50	BKL
Copper - Total	63.6	N*	0.18	MG/KG	CLP-M	09/20/2003 05:50	BKL
Iron - Total	9360	E	1.7	MG/KG	CLP-M	09/20/2003 05:50	BKL
Lead - Total	68.7	*	0.17	MG/KG	CLP-M	09/20/2003 05:50	BKL
Magnesium - Total	19300	*	1.1	MG/KG	CLP-M	09/20/2003 05:50	BKL
Manganese - Total	452	E	0.02	MG/KG	CLP-M	09/20/2003 05:50	BKL
Mercury - Total	10.8	*	0.094	MG/KG	CLP-M	09/26/2003 14:50	AJY
Nickel - Total	16.4	E	0.10	MG/KG	CLP-M	09/20/2003 05:50	BKL
Potassium - Total	1750		5.6	MG/KG	CLP-M	09/20/2003 05:50	BKL
Selenium - Total	0.72	B	0.30	MG/KG	CLP-M	09/20/2003 05:50	BKL
Silver - Total	0.27	B	0.08	MG/KG	CLP-M	09/20/2003 05:50	BKL
Sodium - Total	471	B	26.9	MG/KG	CLP-M	09/20/2003 05:50	BKL
Thallium - Total	1.9		0.41	MG/KG	CLP-M	09/20/2003 05:50	BKL
Vanadium - Total	22.6		0.09	MG/KG	CLP-M	09/20/2003 05:50	BKL
Zinc - Total	230	E*	0.18	MG/KG	CLP-M	09/20/2003 05:50	BKL
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	8.08		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS07-S-0
Lab Sample ID: A3883404
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4,5-Trichlorophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4,6-Trichlorophenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4-Dichlorophenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4-Dimethylphenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4-Dinitrophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,4-Dinitrotoluene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2,6-Dinitrotoluene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Chloronaphthalene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Chlorophenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Methylnaphthalene	270	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Methylphenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
2-Nitrophenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
3,3'-Dichlorobenzidine	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
3-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4,6-Dinitro-2-methylphenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Bromophenyl phenyl ether	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Chloro-3-methylphenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Chloroaniline	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Chlorophenyl phenyl ether	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Methylphenol	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
4-Nitrophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Acenaphthene	1300	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Acenaphthylene	3600	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Acetophenone	ND		15000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Anthracene	5200	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Atrazine	ND		15000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzaldehyde	ND		15000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzo(a)anthracene	22000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzo(a)pyrene	3400	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzo(b)fluoranthene	18000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzo(ghi)perylene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Benzo(k)fluoranthene	22000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Biphenyl	ND		15000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Bis(2-chloroethoxy) methane	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Bis(2-chloroethyl) ether	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Bis(2-ethylhexyl) phthalate	550	BJ	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Butyl benzyl phthalate	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Caprolactam	ND		15000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Carbazole	2100	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Chrysene	18000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Di-n-butyl phthalate	550	BJ	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Di-n-octyl phthalate	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Dibenzo(a,h)anthracene	2400	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Dibenzofuran	850	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Diethyl phthalate	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Dimethyl phthalate	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM

Sample ID: FS-SS07-S-0
Lab Sample ID: A3883404
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	50000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Fluorene	2200	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Hexachlorobenzene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Hexachlorobutadiene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Hexachlorocyclopentadiene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Hexachloroethane	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Indeno(1,2,3-cd)pyrene	1700	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Isophorone	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
N-Nitroso-Di-n-propylamine	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
N-nitrosodiphenylamine	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Naphthalene	470	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Nitrobenzene	ND		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Pentachlorophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Phenanthrene	20000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Phenol	400	J	7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
Pyrene	13000		7400	UG/KG	EPA SVOA	09/26/2003 14:28	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		37	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		37	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	46	P	37	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		750	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		370	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		370	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	20	J	37	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		37	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	60	JP	190	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	4970	*	2.1	MG/KG	CLP-M	09/20/2003 06:45	BKL

Sample ID: FS-SS07-S-0
Lab Sample ID: A3883404
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.5	BN	0.48	MG/KG	CLP-M	09/20/2003 06:45	BKL
Arsenic - Total	10.1	N	0.38	MG/KG	CLP-M	09/20/2003 06:45	BKL
Barium - Total	74.9	N*	0.02	MG/KG	CLP-M	09/20/2003 06:45	BKL
Beryllium - Total	0.34	B	0.01	MG/KG	CLP-M	09/20/2003 06:45	BKL
Cadmium - Total	0.32	B	0.03	MG/KG	CLP-M	09/20/2003 06:45	BKL
Calcium - Total	82400	E	16.8	MG/KG	CLP-M	09/20/2003 08:18	BKL
Chromium - Total	15.4	*	0.10	MG/KG	CLP-M	09/20/2003 06:45	BKL
Cobalt - Total	5.4	B	0.08	MG/KG	CLP-M	09/20/2003 06:45	BKL
Copper - Total	74.3	N*	0.20	MG/KG	CLP-M	09/20/2003 06:45	BKL
Iron - Total	15500	E	1.9	MG/KG	CLP-M	09/20/2003 06:45	BKL
Lead - Total	138	*	0.19	MG/KG	CLP-M	09/20/2003 06:45	BKL
Magnesium - Total	33100	*	1.2	MG/KG	CLP-M	09/20/2003 06:45	BKL
Manganese - Total	594	E	0.02	MG/KG	CLP-M	09/20/2003 06:45	BKL
Mercury - Total	0.834	*	0.010	MG/KG	CLP-M	09/26/2003 13:45	AJY
Nickel - Total	21.8	E	0.10	MG/KG	CLP-M	09/20/2003 06:45	BKL
Potassium - Total	1120		6.1	MG/KG	CLP-M	09/20/2003 06:45	BKL
Selenium - Total	1.4	B	0.33	MG/KG	CLP-M	09/20/2003 06:45	BKL
Silver - Total	0.16	B	0.08	MG/KG	CLP-M	09/20/2003 06:45	BKL
Sodium - Total	93.0	B	29.1	MG/KG	CLP-M	09/20/2003 06:45	BKL
Thallium - Total	2.8		0.44	MG/KG	CLP-M	09/20/2003 06:45	BKL
Vanadium - Total	17.2		0.09	MG/KG	CLP-M	09/20/2003 06:45	BKL
Zinc - Total	236	E*	0.20	MG/KG	CLP-M	09/20/2003 06:45	BKL
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.95		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS08-S-0
Lab Sample ID: A3883405
Date Collected: 09/15/2003
Time Collected: 10:20

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4,5-Trichlorophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4,6-Trichlorophenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4-Dichlorophenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4-Dimethylphenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4-Dinitrophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,4-Dinitrotoluene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2,6-Dinitrotoluene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Chloronaphthalene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Chlorophenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Methylnaphthalene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Methylphenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
2-Nitrophenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
3,3'-Dichlorobenzidine	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
3-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4,6-Dinitro-2-methylphenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Bromophenyl phenyl ether	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Chloro-3-methylphenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Chloroaniline	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Chlorophenyl phenyl ether	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Methylphenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Nitroaniline	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
4-Nitrophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Acenaphthene	1100	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Acenaphthylene	7700		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Acetophenone	ND		14000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Anthracene	4600	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Atrazine	ND		14000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzaldehyde	ND		14000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzo(a)anthracene	34000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzo(a)pyrene	4700	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzo(b)fluoranthene	33000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzo(ghi)perylene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Benzo(k)fluoranthene	26000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Biphenyl	ND		14000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Bis(2-chloroethoxy) methane	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Bis(2-chloroethyl) ether	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Bis(2-ethylhexyl) phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Butyl benzyl phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Caprolactam	ND		14000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Carbazole	890	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Chrysene	25000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Di-n-butyl phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Di-n-octyl phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Dibenzo(a,h)anthracene	4000	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Dibenzofuran	430	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Diethyl phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Dimethyl phthalate	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM

Sample ID: FS-SS08-S-0
Lab Sample ID: A3883405
Date Collected: 09/15/2003
Time Collected: 10:20

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	78000	E	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Fluorene	1300	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Hexachlorobenzene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Hexachlorobutadiene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Hexachlorocyclopentadiene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Hexachloroethane	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Indeno(1,2,3-cd)pyrene	2500	J	7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Isophorone	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
N-Nitroso-Di-n-propylamine	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
N-nitrosodiphenylamine	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Naphthalene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Nitrobenzene	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Pentachlorophenol	ND		18000	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Phenanthrene	9000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Phenol	ND		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
Pyrene	18000		7200	UG/KG	EPA SVOA	09/26/2003 15:02	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		36	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		36	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	5.6	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		730	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		360	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		360	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	16	JP	18	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	14	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		36	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	19	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		36	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	28	JP	36	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		36	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	21	JP	180	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	5790	*	2.0	MG/KG	CLP-M	09/20/2003 06:50	BKL

Sample ID: FS-SS08-S-0
Lab Sample ID: A3883405
Date Collected: 09/15/2003
Time Collected: 10:20

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.5	BN	0.45	MG/KG	CLP-M	09/20/2003 06:50	BKL
Arsenic - Total	13.1	N	0.36	MG/KG	CLP-M	09/20/2003 06:50	BKL
Barium - Total	64.2	N*	0.02	MG/KG	CLP-M	09/20/2003 06:50	BKL
Beryllium - Total	0.37	B	0.01	MG/KG	CLP-M	09/20/2003 06:50	BKL
Cadmium - Total	ND		0.03	MG/KG	CLP-M	09/20/2003 06:50	BKL
Calcium - Total	62100	E	15.6	MG/KG	CLP-M	09/20/2003 08:23	BKL
Chromium - Total	13.1	*	0.10	MG/KG	CLP-M	09/20/2003 06:50	BKL
Cobalt - Total	6.8		0.08	MG/KG	CLP-M	09/20/2003 06:50	BKL
Copper - Total	36.4	N*	0.18	MG/KG	CLP-M	09/20/2003 06:50	BKL
Iron - Total	13400	E	1.7	MG/KG	CLP-M	09/20/2003 06:50	BKL
Lead - Total	57.6	*	0.17	MG/KG	CLP-M	09/20/2003 06:50	BKL
Magnesium - Total	22100	*	1.1	MG/KG	CLP-M	09/20/2003 06:50	BKL
Manganese - Total	685	E	0.02	MG/KG	CLP-M	09/20/2003 06:50	BKL
Mercury - Total	0.250	*	0.009	MG/KG	CLP-M	09/26/2003 13:47	AJY
Nickel - Total	26.6	E	0.10	MG/KG	CLP-M	09/20/2003 06:50	BKL
Potassium - Total	1260		5.7	MG/KG	CLP-M	09/20/2003 06:50	BKL
Selenium - Total	1.2	B	0.30	MG/KG	CLP-M	09/20/2003 06:50	BKL
Silver - Total	0.13	B	0.08	MG/KG	CLP-M	09/20/2003 06:50	BKL
Sodium - Total	100	B	27.2	MG/KG	CLP-M	09/20/2003 06:50	BKL
Thallium - Total	2.3		0.41	MG/KG	CLP-M	09/20/2003 06:50	BKL
Vanadium - Total	14.4		0.09	MG/KG	CLP-M	09/20/2003 06:50	BKL
Zinc - Total	115	E*	0.18	MG/KG	CLP-M	09/20/2003 06:50	BKL
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.86		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS08-S-ODL
Lab Sample ID: A3883405DL
Date Collected: 09/15/2003
Time Collected: 10:20

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4,5-Trichlorophenol	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4,6-Trichlorophenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4-Dichlorophenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4-Dimethylphenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4-Dinitrophenol	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,4-Dinitrotoluene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2,6-Dinitrotoluene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Chloronaphthalene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Chlorophenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Methylnaphthalene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Methylphenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Nitroaniline	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
2-Nitrophenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
3,3'-Dichlorobenzidine	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
3-Nitroaniline	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4,6-Dinitro-2-methylphenol	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Bromophenyl phenyl ether	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Chloro-3-methylphenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Chloroaniline	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Chlorophenyl phenyl ether	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Methylphenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Nitroaniline	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
4-Nitrophenol	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Acenaphthene	960	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Acenaphthylene	6200	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Acetophenone	ND		29000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Anthracene	4200	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Atrazine	ND		29000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzaldehyde	ND		29000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzo(a)anthracene	38000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzo(a)pyrene	4300	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzo(b)fluoranthene	28000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzo(ghi)perylene	550	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Benzo(k)fluoranthene	21000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Biphenyl	ND		29000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Bis(2-chloroethoxy) methane	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Bis(2-chloroethyl) ether	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Bis(2-ethylhexyl) phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Butyl benzyl phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Caprolactam	ND		29000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Carbazole	720	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Chrysene	29000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Di-n-butyl phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Di-n-octyl phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Dibenzo(a,h)anthracene	8500	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Dibenzofuran	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Diethyl phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Dimethyl phthalate	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM

Sample ID: FS-SS08-S-ODL
Lab Sample ID: A3883405DL
Date Collected: 09/15/2003
Time Collected: 10:20

Date Received: 09/16/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	79000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Fluorene	1000	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Hexachlorobenzene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Hexachlorobutadiene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Hexachlorocyclopentadiene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Hexachloroethane	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Indeno(1,2,3-cd)pyrene	5700	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Isophorone	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
N-Nitroso-Di-n-propylamine	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
N-nitrosodiphenylamine	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Naphthalene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Nitrobenzene	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Pentachlorophenol	ND		35000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Phenanthrene	8900	DJ	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Phenol	ND		14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM
Pyrene	24000	D	14000	UG/KG	EPA SVOA	10/02/2003 08:31	PM

Sample ID: FS-SS09-S-0
Lab Sample ID: A3891604
Date Collected: 09/15/2003
Time Collected: 09:10

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4,5-Trichlorophenol	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4,6-Trichlorophenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4-Dichlorophenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4-Dimethylphenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4-Dinitrophenol	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,4-Dinitrotoluene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2,6-Dinitrotoluene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Chloronaphthalene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Chlorophenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Methylnaphthalene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Methylphenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Nitroaniline	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
2-Nitrophenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
3,3'-Dichlorobenzidine	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
3-Nitroaniline	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4,6-Dinitro-2-methylphenol	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Bromophenyl phenyl ether	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Chloro-3-methylphenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Chloroaniline	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Chlorophenyl phenyl ether	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Methylphenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Nitroaniline	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
4-Nitrophenol	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Acenaphthene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Acenaphthylene	96	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Acetophenone	ND		5600	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Anthracene	150	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Atrazine	ND		5600	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzaldehyde	ND		5600	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzo(a)anthracene	1100	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzo(a)pyrene	240	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzo(b)fluoranthene	1100	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzo(ghi)perylene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Benzo(k)fluoranthene	1400	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Biphenyl	ND		5600	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Bis(2-chloroethoxy) methane	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Bis(2-chloroethyl) ether	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Bis(2-ethylhexyl) phthalate	1000	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Butyl benzyl phthalate	73	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Caprolactam	ND		5600	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Carbazole	100	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Chrysene	1100	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Di-n-butyl phthalate	88	BJ	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Di-n-octyl phthalate	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Dibenzo(a,h)anthracene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Dibenzofuran	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Diethyl phthalate	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Dimethyl phthalate	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM

Sample ID: FS-SS09-S-0
Lab Sample ID: A3891604
Date Collected: 09/15/2003
Time Collected: 09:10

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	3100		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Fluorene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Hexachlorobenzene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Hexachlorobutadiene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Hexachlorocyclopentadiene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Hexachloroethane	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Indeno(1,2,3-cd)pyrene	96	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Isophorone	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
N-Nitroso-Di-n-propylamine	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
N-nitrosodiphenylamine	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Naphthalene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Nitrobenzene	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Pentachlorophenol	ND		6700	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Phenanthrene	1300	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Phenol	ND		2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
Pyrene	970	J	2800	UG/KG	EPA SVOA	09/26/2003 16:45	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		22	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	4.7	JP	22	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	21	J	22	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		11	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		11	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		11	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		220	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		440	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		220	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		220	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		220	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		220	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		220	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		11	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		11	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		22	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	5.9	JP	11	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		22	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	25	P	22	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		22	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		22	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	5.0	JP	22	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		11	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		11	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		11	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		11	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		110	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		1100	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	10800	*	3.0	MG/KG	CLP-M	09/30/2003 13:51	

Sample ID: FS-SS09-S-0
Lab Sample ID: A3891604
Date Collected: 09/15/2003
Time Collected: 09:10

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	8.3	BN*	0.67	MG/KG	CLP-M	09/30/2003 13:51	
Arsenic - Total	21.6	N*	0.54	MG/KG	CLP-M	09/30/2003 13:51	
Barium - Total	655	N*	0.03	MG/KG	CLP-M	09/30/2003 13:51	
Beryllium - Total	1.2		0.02	MG/KG	CLP-M	09/30/2003 13:51	
Cadmium - Total	0.89	N*	0.05	MG/KG	CLP-M	09/30/2003 13:51	
Calcium - Total	26700	E	2.3	MG/KG	CLP-M	09/30/2003 13:51	
Chromium - Total	37.6	N*	0.15	MG/KG	CLP-M	09/30/2003 13:51	
Cobalt - Total	10.4		0.11	MG/KG	CLP-M	09/30/2003 13:51	
Copper - Total	256	*	0.28	MG/KG	CLP-M	09/30/2003 13:51	
Iron - Total	33800	*	2.6	MG/KG	CLP-M	09/30/2003 13:51	
Lead - Total	1780	*	0.26	MG/KG	CLP-M	09/30/2003 13:51	
Magnesium - Total	5640		1.6	MG/KG	CLP-M	09/30/2003 13:51	
Manganese - Total	1250	*	0.03	MG/KG	CLP-M	09/30/2003 13:51	
Mercury - Total	1.5	*	0.014	MG/KG	CLP-M	10/07/2003 12:33	
Nickel - Total	42.9	N	0.15	MG/KG	CLP-M	09/30/2003 13:51	
Potassium - Total	1830		8.5	MG/KG	CLP-M	09/30/2003 13:51	
Selenium - Total	3.8	BN	0.46	MG/KG	CLP-M	09/30/2003 13:51	
Silver - Total	1.2	B	0.11	MG/KG	CLP-M	09/30/2003 13:51	
Sodium - Total	284	B	40.9	MG/KG	CLP-M	09/30/2003 13:51	
Thallium - Total	4.9	N*	0.62	MG/KG	CLP-M	09/30/2003 13:51	
Vanadium - Total	30.1		0.13	MG/KG	CLP-M	09/30/2003 13:51	
Zinc - Total	1510		1.4	MG/KG	CLP-M	09/30/2003 15:28	
Wet Chemistry Analysis							
Cyanide - Total	1.6		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.17		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS10-S-0
Lab Sample ID: A3891605
Date Collected: 09/15/2003
Time Collected: 09:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4,5-Trichlorophenol	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4,6-Trichlorophenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4-Dichlorophenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4-Dimethylphenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4-Dinitrophenol	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,4-Dinitrotoluene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2,6-Dinitrotoluene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Chloronaphthalene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Chlorophenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Methylnaphthalene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Methylphenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Nitroaniline	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
2-Nitrophenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
3,3'-Dichlorobenzidine	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
3-Nitroaniline	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4,6-Dinitro-2-methylphenol	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Bromophenyl phenyl ether	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Chloro-3-methylphenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Chloroaniline	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Chlorophenyl phenyl ether	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Methylphenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Nitroaniline	63	J	5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
4-Nitrophenol	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Acenaphthene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Acenaphthylene	89	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Acetophenone	ND		4500	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Anthracene	160	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Atrazine	ND		4500	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzaldehyde	ND		4500	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzo(a)anthracene	820	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzo(a)pyrene	170	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzo(b)fluoranthene	810	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzo(ghi)perylene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Benzo(k)fluoranthene	910	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Biphenyl	ND		4500	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Bis(2-chloroethoxy) methane	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Bis(2-chloroethyl) ether	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Bis(2-ethylhexyl) phthalate	110	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Butyl benzyl phthalate	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Caprolactam	ND		4500	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Carbazole	72	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Chrysene	840	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Di-n-butyl phthalate	67	BJ	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Di-n-octyl phthalate	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Dibenzo(a,h)anthracene	78	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Dibenzofuran	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Diethyl phthalate	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Dimethyl phthalate	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM

Sample ID: FS-SS10-S-0
Lab Sample ID: A3891605
Date Collected: 09/15/2003
Time Collected: 09:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2100	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Fluorene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Hexachlorobenzene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Hexachlorobutadiene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Hexachlorocyclopentadiene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Hexachloroethane	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Indeno(1,2,3-cd)pyrene	70	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Isophorone	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
N-Nitroso-Di-n-propylamine	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
N-nitrosodiphenylamine	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Naphthalene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Nitrobenzene	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Pentachlorophenol	ND		5400	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Phenanthrene	1200	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Phenol	ND		2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
Pyrene	720	J	2200	UG/KG	EPA SVOA	09/26/2003 17:20	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		18	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	11	JP	18	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	33		18	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		180	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		180	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		180	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		180	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		180	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		180	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		18	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		18	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		18	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		18	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		18	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	5.8	JP	18	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		9.1	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		91	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		910	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	9280	*	2.6	MG/KG	CLP-M	09/30/2003 13:56	

Sample ID: FS-SS10-S-0
Lab Sample ID: A3891605
Date Collected: 09/15/2003
Time Collected: 09:15

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	9.8	N*	0.57	MG/KG	CLP-M	09/30/2003 13:56	
Arsenic - Total	23.1	N*	0.46	MG/KG	CLP-M	09/30/2003 13:56	
Barium - Total	451	N*	0.03	MG/KG	CLP-M	09/30/2003 13:56	
Beryllium - Total	0.74		0.01	MG/KG	CLP-M	09/30/2003 13:56	
Cadmium - Total	ND	N*	0.04	MG/KG	CLP-M	09/30/2003 13:56	
Calcium - Total	14400	E	2.0	MG/KG	CLP-M	09/30/2003 13:56	
Chromium - Total	40.8	N*	0.13	MG/KG	CLP-M	09/30/2003 13:56	
Cobalt - Total	12.6		0.10	MG/KG	CLP-M	09/30/2003 13:56	
Copper - Total	2620	*	0.24	MG/KG	CLP-M	09/30/2003 13:56	
Iron - Total	60800	*	2.2	MG/KG	CLP-M	09/30/2003 13:56	
Lead - Total	1140	*	0.22	MG/KG	CLP-M	09/30/2003 13:56	
Magnesium - Total	4300		1.4	MG/KG	CLP-M	09/30/2003 13:56	
Manganese - Total	1350	*	0.03	MG/KG	CLP-M	09/30/2003 13:56	
Mercury - Total	0.711	*	0.011	MG/KG	CLP-M	10/07/2003 12:35	
Nickel - Total	60.3	N	0.13	MG/KG	CLP-M	09/30/2003 13:56	
Potassium - Total	1780		7.2	MG/KG	CLP-M	09/30/2003 13:56	
Selenium - Total	3.8	BN	0.39	MG/KG	CLP-M	09/30/2003 13:56	
Silver - Total	1.4		0.10	MG/KG	CLP-M	09/30/2003 13:56	
Sodium - Total	208	B	34.8	MG/KG	CLP-M	09/30/2003 13:56	
Thallium - Total	6.5	N*	0.53	MG/KG	CLP-M	09/30/2003 13:56	
Vanadium - Total	24.2		0.11	MG/KG	CLP-M	09/30/2003 13:56	
Zinc - Total	2390		1.2	MG/KG	CLP-M	09/30/2003 15:33	
Wet Chemistry Analysis							
Cyanide - Total	1.1		1.0	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	6.76		0	S.U.	9045	09/19/2003 12:10	MJ

Sample ID: FS-SS11-S-0
Lab Sample ID: A3902401
Date Collected: 09/18/2003
Time Collected: 16:45

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4,5-Trichlorophenol	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4,6-Trichlorophenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4-Dichlorophenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4-Dimethylphenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4-Dinitrophenol	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,4-Dinitrotoluene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2,6-Dinitrotoluene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Chloronaphthalene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Chlorophenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Methylnaphthalene	28	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Methylphenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
2-Nitrophenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
3,3'-Dichlorobenzidine	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
3-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4,6-Dinitro-2-methylphenol	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Bromophenyl phenyl ether	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Chloro-3-methylphenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Chloroaniline	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Chlorophenyl phenyl ether	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Methylphenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
4-Nitrophenol	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Acenaphthene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Acenaphthylene	28	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Acetophenone	ND		720	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Anthracene	30	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Atrazine	ND		720	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzaldehyde	ND		720	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzo(a)anthracene	300	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzo(a)pyrene	60	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzo(b)fluoranthene	400		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzo(ghi)perylene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Benzo(k)fluoranthene	180	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Biphenyl	ND		720	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Bis(2-chloroethoxy) methane	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Bis(2-chloroethyl) ether	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Bis(2-ethylhexyl) phthalate	47	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Butyl benzyl phthalate	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Caprolactam	ND		720	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Carbazole	20	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Chrysene	380		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Di-n-butyl phthalate	34	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Di-n-octyl phthalate	10	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Dibenzo(a,h)anthracene	75	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Dibenzofuran	13	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Diethyl phthalate	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Dimethyl phthalate	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM

Sample ID: FS-SS11-S-0
Lab Sample ID: A3902401
Date Collected: 09/18/2003
Time Collected: 16:45

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASPOO EPA - SEMIVOLATILES - L							
Fluoranthene	590		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Fluorene	16	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Hexachlorobenzene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Hexachlorobutadiene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Hexachlorocyclopentadiene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Hexachloroethane	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Indeno(1,2,3-cd)pyrene	59	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Isophorone	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
N-Nitroso-Di-n-propylamine	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
N-nitrosodiphenylamine	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Naphthalene	18	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Nitrobenzene	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Pentachlorophenol	ND		880	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Phenanthrene	330	J	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Phenol	ND		360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
Pyrene	240	BJ	360	UG/KG	EPA SVOA	09/27/2003 09:27	PM
TVGA - SOIL-ASPOO - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	14	P	3.7	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	11		3.7	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		74	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	0.77	JP	1.9	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	4.7	P	3.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	2.3	JP	3.7	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	4.7	JP	19	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	9240		2.1	MG/KG	CLP-M	09/30/2003 17:03	

Sample ID: FS-SS11-S-0
Lab Sample ID: A3902401
Date Collected: 09/18/2003
Time Collected: 16:45

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.6	B*	0.47	MG/KG	CLP-M	09/30/2003 17:03	
Arsenic - Total	7.3		0.38	MG/KG	CLP-M	09/30/2003 17:03	
Barium - Total	97.5	*	0.02	MG/KG	CLP-M	09/30/2003 17:03	
Beryllium - Total	0.48	B	0.01	MG/KG	CLP-M	09/30/2003 17:03	
Cadmium - Total	ND		0.03	MG/KG	CLP-M	09/30/2003 17:03	
Calcium - Total	6180	*	1.7	MG/KG	CLP-M	09/30/2003 17:03	
Chromium - Total	11.3		0.10	MG/KG	CLP-M	09/30/2003 17:03	
Cobalt - Total	7.1		0.08	MG/KG	CLP-M	09/30/2003 17:03	
Copper - Total	24.7		0.20	MG/KG	CLP-M	09/30/2003 17:03	
Iron - Total	14500	*	1.9	MG/KG	CLP-M	09/30/2003 17:03	
Lead - Total	80.9	E	0.19	MG/KG	CLP-M	09/30/2003 17:03	
Magnesium - Total	2980	*	1.2	MG/KG	CLP-M	09/30/2003 17:03	
Manganese - Total	635	E	0.02	MG/KG	CLP-M	09/30/2003 17:03	
Mercury - Total	0.045		0.010	MG/KG	CLP-M	10/07/2003 12:49	
Nickel - Total	15.3		0.10	MG/KG	CLP-M	09/30/2003 17:03	
Potassium - Total	1180		6.0	MG/KG	CLP-M	09/30/2003 17:03	
Selenium - Total	1.5	B	0.32	MG/KG	CLP-M	09/30/2003 17:03	
Silver - Total	0.22	BE	0.08	MG/KG	CLP-M	09/30/2003 17:03	
Sodium - Total	69.3	B	29.0	MG/KG	CLP-M	09/30/2003 17:03	
Thallium - Total	2.3	*	0.44	MG/KG	CLP-M	09/30/2003 17:03	
Vanadium - Total	17.9		0.09	MG/KG	CLP-M	09/30/2003 17:03	
Zinc - Total	404	E	0.20	MG/KG	CLP-M	09/30/2003 17:03	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	7.84		0	S.U.	9045	09/22/2003 17:00	RP

Sample ID: FS-SS12-S-0
Lab Sample ID: A3902402
Date Collected: 09/18/2003
Time Collected: 17:15

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4,5-Trichlorophenol	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4-Dinitrophenol	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Methylnaphthalene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
3-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4,6-Dinitro-2-methylphenol	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
4-Nitrophenol	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Acenaphthene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Acetophenone	ND		730	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Anthracene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Atrazine	ND		730	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzaldehyde	ND		730	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzo(a)anthracene	65	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzo(a)pyrene	14	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzo(b)fluoranthene	84	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzo(ghi)perylene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Benzo(k)fluoranthene	57	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Biphenyl	ND		730	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Bis(2-ethylhexyl) phthalate	42	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Butyl benzyl phthalate	18	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Caprolactam	ND		730	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Carbazole	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Chrysene	84	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Di-n-butyl phthalate	28	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Di-n-octyl phthalate	15	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Dibenzo(a,h)anthracene	12	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Dibenzofuran	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM

Sample ID: FS-SS12-S-0
Lab Sample ID: A3902402
Date Collected: 09/18/2003
Time Collected: 17:15

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	170	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Fluorene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Indeno(1,2,3-cd)pyrene	12	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Naphthalene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Pentachlorophenol	ND		890	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Phenanthrene	84	J	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
Pyrene	56	BJ	370	UG/KG	EPA SVOA	09/27/2003 10:01	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		15	UG/KG	EPA P/PCB	10/03/2003	
4,4'-DDE	11	JP	14	UG/KG	EPA P/PCB	10/03/2003	
4,4'-DDT	7.0	JP	14	UG/KG	EPA P/PCB	10/03/2003	
Aldrin	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
alpha-BHC	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
alpha-Chlordane	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1016	ND		150	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1221	ND		300	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1232	ND		150	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1242	ND		150	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1248	ND		150	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1254	ND		150	UG/KG	EPA P/PCB	10/03/2003	
Aroclor 1260	ND		150	UG/KG	EPA P/PCB	10/03/2003	
beta-BHC	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
delta-BHC	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Dieldrin	170		14	UG/KG	EPA P/PCB	10/03/2003	
Endosulfan I	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Endosulfan II	ND		15	UG/KG	EPA P/PCB	10/03/2003	
Endosulfan Sulfate	ND		15	UG/KG	EPA P/PCB	10/03/2003	
Endrin	ND		15	UG/KG	EPA P/PCB	10/03/2003	
Endrin aldehyde	ND		15	UG/KG	EPA P/PCB	10/03/2003	
Endrin ketone	ND		15	UG/KG	EPA P/PCB	10/03/2003	
gamma-BHC (Lindane)	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
gamma-Chlordane	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Heptachlor	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Heptachlor epoxide	ND		7.5	UG/KG	EPA P/PCB	10/03/2003	
Methoxychlor	2.8	JP	75	UG/KG	EPA P/PCB	10/03/2003	
Toxaphene	ND		750	UG/KG	EPA P/PCB	10/03/2003	
Metals Analysis							
Aluminum - Total	14100		2.1	MG/KG	CLP-M	09/30/2003 17:52	

Sample ID: FS-SS12-S-0
Lab Sample ID: A3902402
Date Collected: 09/18/2003
Time Collected: 17:15

Date Received: 09/19/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.9	B*	0.46	MG/KG	CLP-M	09/30/2003 17:52	
Arsenic - Total	4.7		0.37	MG/KG	CLP-M	09/30/2003 17:52	
Barium - Total	73.7	*	0.02	MG/KG	CLP-M	09/30/2003 17:52	
Beryllium - Total	0.56	B	0.01	MG/KG	CLP-M	09/30/2003 17:52	
Cadmium - Total	ND		0.03	MG/KG	CLP-M	09/30/2003 17:52	
Calcium - Total	2430	*	1.6	MG/KG	CLP-M	09/30/2003 17:52	
Chromium - Total	16.7		0.10	MG/KG	CLP-M	09/30/2003 17:52	
Cobalt - Total	8.5		0.08	MG/KG	CLP-M	09/30/2003 17:52	
Copper - Total	11.6		0.19	MG/KG	CLP-M	09/30/2003 17:52	
Iron - Total	20100	*	1.8	MG/KG	CLP-M	09/30/2003 17:52	
Lead - Total	25.3	E	0.18	MG/KG	CLP-M	09/30/2003 17:52	
Magnesium - Total	3740	*	1.1	MG/KG	CLP-M	09/30/2003 17:52	
Manganese - Total	435	E	0.02	MG/KG	CLP-M	09/30/2003 17:52	
Mercury - Total	0.051		0.009	MG/KG	CLP-M	10/07/2003 12:51	
Nickel - Total	19.8		0.10	MG/KG	CLP-M	09/30/2003 17:52	
Potassium - Total	1340		5.9	MG/KG	CLP-M	09/30/2003 17:52	
Selenium - Total	1.4	B	0.32	MG/KG	CLP-M	09/30/2003 17:52	
Silver - Total	0.16	BE	0.08	MG/KG	CLP-M	09/30/2003 17:52	
Sodium - Total	64.3	B	28.4	MG/KG	CLP-M	09/30/2003 17:52	
Thallium - Total	2.9	*	0.43	MG/KG	CLP-M	09/30/2003 17:52	
Vanadium - Total	27.0		0.09	MG/KG	CLP-M	09/30/2003 17:52	
Zinc - Total	105	E	0.19	MG/KG	CLP-M	09/30/2003 17:52	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/23/2003 16:21	JMS
Leachable pH	6.25		0	S.U.	9045	09/22/2003 17:00	RP

Sample ID: FS-SSXX-RB
Lab Sample ID: A3891601
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4,6-Trichlorophenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4-Dichlorophenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4-Dimethylphenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,4-Dinitrotoluene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2,6-Dinitrotoluene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Chloronaphthalene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Chlorophenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Methylnaphthalene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Methylphenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
2-Nitrophenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
3,3'-Dichlorobenzidine	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Bromophenyl phenyl ether	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Chloro-3-methylphenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Chloroaniline	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Chlorophenyl phenyl ether	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Methylphenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
Acenaphthene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Acenaphthylene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Acetophenone	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Anthracene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Atrazine	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzaldehyde	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzo(a)anthracene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzo(a)pyrene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzo(b)fluoranthene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzo(ghi)perylene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Benzo(k)fluoranthene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Biphenyl	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Bis(2-chloroethoxy) methane	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Bis(2-chloroethyl) ether	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Bis(2-ethylhexyl) phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Butyl benzyl phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Caprolactam	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Carbazole	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Chrysene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Di-n-butyl phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Di-n-octyl phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Dibenzo(a,h)anthracene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Dibenzofuran	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Diethyl phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Dimethyl phthalate	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM

Sample ID: FS-SSXX-RB
Lab Sample ID: A3891601
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Fluorene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Hexachlorobenzene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Hexachlorobutadiene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Hexachlorocyclopentadiene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Hexachloroethane	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Indeno(1,2,3-cd)pyrene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Isophorone	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
N-Nitroso-Di-n-propylamine	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
N-nitrosodiphenylamine	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Naphthalene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Nitrobenzene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	09/25/2003 16:21	PM
Phenanthrene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Phenol	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
Pyrene	ND		9	UG/L	EPA SVOA	09/25/2003 16:21	PM
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
4,4'-DDE	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
4,4'-DDT	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Aldrin	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
alpha-BHC	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
alpha-Chlordane	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1016	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1232	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1242	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1248	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1254	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
Aroclor 1260	ND		0.96	UG/L	EPA P/PCB	09/24/2003	
beta-BHC	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
delta-BHC	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Dieldrin	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Endosulfan I	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Endosulfan II	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Endosulfan Sulfate	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Endrin	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Endrin aldehyde	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
Endrin ketone	ND		0.096	UG/L	EPA P/PCB	09/24/2003	
gamma-BHC (Lindane)	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
gamma-Chlordane	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Heptachlor	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Heptachlor epoxide	ND		0.048	UG/L	EPA P/PCB	09/24/2003	
Methoxychlor	ND		0.48	UG/L	EPA P/PCB	09/24/2003	
Toxaphene	ND		4.8	UG/L	EPA P/PCB	09/24/2003	
Metals Analysis							
Aluminum - Total	47.2	B	18.4	UG/L	CLP-M	09/30/2003 12:45	

Sample ID: FS-SSXX-RB
Lab Sample ID: A3891601
Date Collected: 09/15/2003
Time Collected: 10:30

Date Received: 09/17/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	5.8	B	4.1	UG/L	CLP-M	09/30/2003 12:45	
Arsenic - Total	ND		3.3	UG/L	CLP-M	09/30/2003 12:45	
Barium - Total	0.48	B	0.20	UG/L	CLP-M	09/30/2003 12:45	
Beryllium - Total	0.18	B	0.10	UG/L	CLP-M	09/30/2003 12:45	
Cadmium - Total	ND		0.30	UG/L	CLP-M	09/30/2003 12:45	
Calcium - Total	36.7	B	14.4	UG/L	CLP-M	09/30/2003 12:45	
Chromium - Total	ND		0.90	UG/L	CLP-M	09/30/2003 12:45	
Cobalt - Total	ND		0.70	UG/L	CLP-M	09/30/2003 12:45	
Copper - Total	ND		1.7	UG/L	CLP-M	09/30/2003 12:45	
Iron - Total	ND		16.1	UG/L	CLP-M	09/30/2003 12:45	
Lead - Total	ND		1.6	UG/L	CLP-M	09/30/2003 12:45	
Magnesium - Total	10.2	B	10.1	UG/L	CLP-M	09/30/2003 12:45	
Manganese - Total	0.42	B	0.20	UG/L	CLP-M	09/30/2003 12:45	
Mercury - Total	0.055	B	0.055	UG/L	CLP-M	09/18/2003 13:30	JMB
Nickel - Total	ND		0.90	UG/L	CLP-M	09/30/2003 12:45	
Potassium - Total	ND		52.1	UG/L	CLP-M	09/30/2003 12:45	
Selenium - Total	ND		2.8	UG/L	CLP-M	09/30/2003 12:45	
Silver - Total	1.2	B	0.70	UG/L	CLP-M	09/30/2003 12:45	
Sodium - Total	506	B	250	UG/L	CLP-M	09/30/2003 12:45	
Thallium - Total	ND		3.8	UG/L	CLP-M	09/30/2003 12:45	
Vanadium - Total	ND		0.80	UG/L	CLP-M	09/30/2003 12:45	
Zinc - Total	ND		1.7	UG/L	CLP-M	09/30/2003 12:45	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	09/23/2003 16:21	JMS

Sample ID: FS-TRIP01
Lab Sample ID: A3872103
Date Collected: 09/11/2003
Time Collected: 14:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
2-Butanone	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Acetone	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Benzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Bromoform	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Bromomethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Chloroethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Chloroform	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Chloromethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Styrene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Toluene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	09/16/2003 17:48	DGP

Chain of Custody

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-11-03	Chain of Custody Number: 135397
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: ELma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
FS-EMC01-SW-0	9-11-03	2:00p		X			4		1	2	1		X	
FS-BLD1-Dup1-SW-0		10:45		X			4		1	2	1		X	
FS-TRIP01		2:30p		X									X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time
1. Relinquished By: R. Orlikowski	9-12-03	8:00
2. Relinquished By: T. Sanderlin	9-12-03	0900
3. Relinquished By:		
1. Received By: T. Sanderlin	9-12-03	0800
2. Received By: STL	9-12-03	09:00
3. Received By:		

Comments: 2 @ 5.0°C

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

80185

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-15-03	Chain of Custody Number: 135396
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Special Instructions/ Conditions of Receipt: Asp-Catagory B deliverables

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Asp. 8 SVOCs	Asp 05 Kg/Pest	Asp-TAL Mx	Asp-TCN
FS-5501-5-0	9-15-03	1:25p				X	1x 16oz						X	X	X	X
FS-5502-5-0		1:35p				X	1x 16oz						X	X	X	X
FS-5506-5-0		11:00a				X	1x 16oz						X	X	X	X
FS-5507-5-0		10:30a				X	1x 16oz						X	X	X	X
FS-5508-5-0		10:20a				X	1x 16oz						X	X	X	X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: K. Orlikowski	9-16-03	9.50	1. Received By: T.C. Sidorski	9-16-03	0950
2. Relinquished By: T. Sidorski	9-16-03	1050	2. Received By: [illegible]	09/16/03	1050
3. Relinquished By			3. Received By		

Comments: 4.6°C

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

81\85

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

Client	TVGA COnsultants
Address	1000 Maple Road
City / State / Zip Code	Elma / NY / 14059
Project Name and Location (State)	Former FlintKote Site
Contract/Purchase Order/Quote No.	
Project Manager	Robert Napieralski
Telephone Number (Area Code)/Fax Number	(716) 655-8842 fAX (716) 655-0937
Site Contact	James Manzella
Lab Contact	Ryan Van Dette
Carrier/Waybill Number	
Date	9-16-03
Chain of Custody Number	135338
Lab Number	
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP VOCs	ASP SVOCs	ASP [illegible]	ASP [illegible]	ASP CN
FS-SS03-S-0	9-16-03	1:35p				X	1A 1G							X	X	X	X
FS-SS04-S-0		1:30p				X	1A 1G							X	X	X	X
FS-SS07-S-0		1:10p				X	1A 1G							X	X	X	X
FS-SS10-S-0		1:15p				X	1A 1G							X	X	X	X
FS-MW-10B-D34-S-0		4:00p				X	1A 1G						X				
FS-MW010B-D35-S-0		4:00p				X	1A 1G							X	X	X	X
FS-MW010B-D28-S-0		4:15p				X	[illegible]						X	X	X	X	X

Special Instructions/Conditions of Receipt: ASP Category 3 Deliverables

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/17/03	9:20	1. Received By: T. Sudorski	9-17-03	0920
2. Relinquished By: T. Sudorski	9-17-03	1130	2. Received By: [signature] STL	9-17-03	11:30
3. Relinquished By			3. Received By		

Comments: 0.0°C

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

82\85

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-16-03	Chain of Custody Number: 135399
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
FS-SSXX-GB	9-16-03	16:30		X			4x 1L		1:1 2 L		1:1 1 L		X X X X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: R Napierala	9/17/03	9:25
2. Relinquished By: T Sadowski	9-17-03	11:30
3. Relinquished By:		

	Date	Time
1. Received By: T. Sadowski	9-17-03	0920
2. Received By: STL	9-17-03	11:30
3. Received By:		

Comments: 6.0°C

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

83185

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-17-03	Chain of Custody Number: 135392
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fAX (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	ASP 95 SVOCs	ASP 95 PCB/Pest	ASP TAL Metals	ASP TCL VOA
FS-SS05-S-0	9-17-03	8:30a				X	1x 16oz						X	X	X	X
FS-SS05-S-MS		8:30a				X	1x 16oz						X	X	X	X
FS-SS05-S MSD		8:30a				X	1x 16oz						X	X		
FS-SS05-S-MD	↓	8:30a				X									X	X

Special Instructions/ Conditions of Receipt
ASP Category B Deliverables

→ Those (2) two are from the same 8oz jar & the MD is Metals

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other

QC Requirements (Specify)

1. Relinquished By: R. Orlikowski	Date: 9-18-03	Time: 8:00	1. Received By:	Date: 9-18-03	Time: 0800
2. Relinquished By: R. Sadowski	Date: 9-18-03	Time: 0845	2. Received By: FOR BUFFALO	Date: 09/19/03	Time: 0847
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: 2.0°C

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

84\85

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napiekalski	Date: 9-18-03	Chain of Custody Number: 135393
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Special Instructions/ Conditions of Receipt: ASP Catagory B Deliverables

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: ASP 00 VOCs	ASP 00 SVOCs	ASP 00 PCB/Pest	ASP TAL Metals	ASP T-CN
FS-SS11-S-0	9-18-03	4:45p				X	1x 40z							X	X	X	X
FS-SS12-S-0	9-18-03	5:15p				X	1x 40z							X	X	X	X
FS-MW03RK-01415.5-S0	9-15-03	3:30p				X	1x 40z						X				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Heidi Spark	9/19/03	9:10am	1. Received By: T. Sadowski	9-19-03	0905
2. Relinquished By: T. Sadowski	9-19-03	0945	2. Received By: Cliff Nye STL	9-19-03	09:45
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: 6.0°C

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

85185

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

ANALYTICAL REPORT

Job#: A03-9311

STL Project#: NY3A9078
Site Name: TVGA Consultants
Task: Former Flintkote Site SI/RAR-Subsurface Soil/Fill

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo

Ryan T. VanDette
Project Manager

02/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3931101	FS-MW02OB-D2426-S-0	09/24/2003	11:30	09/26/2003	09:15
A3931102	FS-MW02OB-D2428-S-0	09/24/2003	11:30	09/26/2003	09:15
A3931103	FS-MW06RK-D810-S-0	09/25/2003	16:20	09/26/2003	09:15

METHODS SUMMARY

Job#: A03-9311

STL Project#: NY3A9078
Site Name: TVGA Consultants

PARAMETER	ANALYTICAL METHOD	
TVGA - ASP00 EPA - VOLATILES - S	ASP00	EPA VOA
TVGA - EPA ASP 2000 - VOLATILES - W	ASP00	EPA VOA
TVGA - ASP00 EPA - SEMIVOLATILES - S	ASP00	EPA SVOA
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - S	ASP00	EPA P/PCB
Aluminum - Total	ASP00	CLP-M
Antimony - Total	ASP00	CLP-M
Arsenic - Total	ASP00	CLP-M
Barium - Total	ASP00	CLP-M
Beryllium - Total	ASP00	CLP-M
Cadmium - Total	ASP00	CLP-M
Calcium - Total	ASP00	CLP-M
Chromium - Total	ASP00	CLP-M
Cobalt - Total	ASP00	CLP-M
Copper - Total	ASP00	CLP-M
Iron - Total	ASP00	CLP-M
Lead - Total	ASP00	CLP-M
Magnesium - Total	ASP00	CLP-M
Manganese - Total	ASP00	CLP-M
Mercury - Total	ASP00	CLP-M
Nickel - Total	ASP00	CLP-M
Potassium - Total	ASP00	CLP-M
Selenium - Total	ASP00	CLP-M
Silver - Total	ASP00	CLP-M
Sodium - Total	ASP00	CLP-M
Thallium - Total	ASP00	CLP-M
Vanadium - Total	ASP00	CLP-M
Zinc - Total	ASP00	CLP-M
Cyanide - Total	ASP00	CLP-WC
Leachable pH	ASP00	9045

References:

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

NON-CONFORMANCE SUMMARY

Job#: A03-9311

STL Project#: NY3A9078
Site Name: TVGA Consultants

General Comments

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

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

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

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

Sample Receipt Comments

A03-9311
Sample Cooler(s) were received at the following temperature(s); 12.8 °C
All Samples were received at a temperature of >10° C. Based on EPA data validation guidelines, all detected concentrations and detection limits should be considered estimated values.

GC/MS Volatile Data

The analytes 2-Hexanone and 4-Methyl-2-pentanone were detected in Method Blanks VBLK87 and VBLK88 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

VHB was preserved to a PH less than 2.

Initial calibration standard curve A3I0001308-1 exhibited the %RSD of Bromoform as greater than 20.5%. However, ASP00 protocol allows for the %RSD of up to two analytes to exceed quality control limits. As a result no corrective action was required.

GC/MS Semivolatile Data

The analytes Bis(2-ethylhexyl)phthalate, Di-n-butyl phthalate and Di-n-octyl phthalate were detected in the Method Blank A3B1115803 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The spike recoveries for 4-Nitrophenol, 2,4-Dinitrotoluene, 4-Chloro-3-methylphenol and Pentachlorophenol were above the method defined quality control limit in the Matrix Spike Blank A3B1115801. Since the result was biased high and the analyte was not detected in the samples, no corrective action was required.

The spike recoveries for 4-Nitrophenol, 2,4-Dinitrotoluene, and Pentachlorophenol were above the method defined quality control limit in the Matrix Spike Blank Duplicate A3B1115802. Since the result was biased high and the analyte was not detected in the samples, no corrective action was required.

GC Extractable Data

For method CLP Pesticide/PCBs, the recovery of surrogate Tetrachloro-m-xylene in all soil samples and quality control is outside of recommended quality control limits. The recovery of surrogate Decachlorobiphenyl and all spike data is within quality control criteria and all samples are non-detect for all target compounds; no corrective action is required.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

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

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

Ryan T. VanDette
Project Manager

2/3/04
Date

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample Data Package

Sample ID: FS-MW020B-D2426-S-0
Lab Sample ID: A3931101
Date Collected: 09/24/2003
Time Collected: 11:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,1,2,2-Tetrachloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,1,2-Trichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,1-Dichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,1-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2,4-Trichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2-Dibromo-3-chloropropane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2-Dibromoethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2-Dichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,2-Dichloropropane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,3-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
1,4-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
2-Butanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
2-Hexanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
4-Methyl-2-pentanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Acetone	9	J	13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Benzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Bromodichloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Bromoform	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Bromomethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Carbon Disulfide	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Carbon Tetrachloride	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Chlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Chloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Chloroform	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Chloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
cis-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
cis-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Cyclohexane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Dibromochloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Dichlorodifluoromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Ethylbenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Isopropylbenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Methyl acetate	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Methyl tert butyl ether	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Methylcyclohexane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Methylene chloride	6	J	13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Styrene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Tetrachloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Toluene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Total Xylenes	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
trans-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
trans-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Trichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Trichlorofluoromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP
Vinyl chloride	ND		13	UG/KG	EPA VOA	10/03/2003 14:38	DGP

Sample ID: FS-MW020B-D2428-S-0
Lab Sample ID: A3931102
Date Collected: 09/24/2003
Time Collected: 11:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4,5-Trichlorophenol	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4-Dinitrophenol	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Methylnaphthalene	12	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Nitroaniline	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
3-Nitroaniline	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4,6-Dinitro-2-methylphenol	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Nitroaniline	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
4-Nitrophenol	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Acenaphthene	18	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Acetophenone	ND		750	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Anthracene	50	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Atrazine	ND		750	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzaldehyde	ND		750	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzo(a)anthracene	72	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzo(a)pyrene	41	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzo(b)fluoranthene	35	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzo(ghi)perylene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Benzo(k)fluoranthene	29	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Biphenyl	ND		750	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Bis(2-ethylhexyl) phthalate	26	BJ	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Caprolactam	ND		750	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Carbazole	16	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Chrysene	68	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Di-n-butyl phthalate	24	BJ	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Di-n-octyl phthalate	20	BJ	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Dibenzo(a,h)anthracene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Dibenzofuran	19	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM

Sample ID: FS-MW020B-D2428-S-0
Lab Sample ID: A3931102
Date Collected: 09/24/2003
Time Collected: 11:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	180	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Fluorene	27	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Indeno(1,2,3-cd)pyrene	17	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Isophorone	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Naphthalene	36	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Pentachlorophenol	ND		900	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Phenanthrene	240	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Phenol	12	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
Pyrene	160	J	370	UG/KG	EPA SVOA	10/14/2003 14:35	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		75	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	10/16/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	10/16/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	10/16/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	10/16/2003	
Metals Analysis							
Aluminum - Total	15700	E	2.1	MG/KG	CLP-M	10/03/2003 10:22	

Sample ID: FS-MW020B-D2428-S-0
Lab Sample ID: A3931102
Date Collected: 09/24/2003
Time Collected: 11:30

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	0.58	B	0.47	MG/KG	CLP-M	10/03/2003 10:22	
Arsenic - Total	2.1		0.38	MG/KG	CLP-M	10/03/2003 10:22	
Barium - Total	68.8	E	0.02	MG/KG	CLP-M	10/03/2003 10:22	
Beryllium - Total	0.88		0.01	MG/KG	CLP-M	10/03/2003 10:22	
Cadmium - Total	ND		0.03	MG/KG	CLP-M	10/03/2003 10:22	
Calcium - Total	2960	E	1.6	MG/KG	CLP-M	10/03/2003 10:22	
Chromium - Total	10.6	E	0.10	MG/KG	CLP-M	10/03/2003 10:22	
Cobalt - Total	9.9	E	0.08	MG/KG	CLP-M	10/03/2003 10:22	
Copper - Total	3.9		0.19	MG/KG	CLP-M	10/03/2003 10:22	
Iron - Total	12900	E	1.8	MG/KG	CLP-M	10/03/2003 10:22	
Lead - Total	6.3		0.18	MG/KG	CLP-M	10/03/2003 10:22	
Magnesium - Total	2260	E	1.2	MG/KG	CLP-M	10/03/2003 10:22	
Manganese - Total	626	E	0.02	MG/KG	CLP-M	10/03/2003 10:22	
Mercury - Total	0.069		0.015	MG/KG	CLP-M	10/07/2003 12:52	
Nickel - Total	26.8	E	0.10	MG/KG	CLP-M	10/03/2003 10:22	
Potassium - Total	1390		6.0	MG/KG	CLP-M	10/03/2003 10:22	
Selenium - Total	0.84	B	0.32	MG/KG	CLP-M	10/03/2003 10:22	
Silver - Total	ND		0.08	MG/KG	CLP-M	10/03/2003 10:22	
Sodium - Total	685		28.7	MG/KG	CLP-M	10/03/2003 10:22	
Thallium - Total	2.0		0.44	MG/KG	CLP-M	10/03/2003 10:22	
Vanadium - Total	11.3	E	0.09	MG/KG	CLP-M	10/03/2003 10:22	
Zinc - Total	29.0	E	0.19	MG/KG	CLP-M	10/03/2003 10:22	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	10/02/2003 18:01	JMS
Leachable pH	7.05		0	S.U.	9045	09/29/2003 19:45	KS

Sample ID: FS-MW06RK-D810-S-0
Lab Sample ID: A3931103
Date Collected: 09/25/2003
Time Collected: 16:20

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,1,2,2-Tetrachloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,1,2-Trichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,1-Dichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,1-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2,4-Trichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2-Dibromo-3-chloropropane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2-Dibromoethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2-Dichloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,2-Dichloropropane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,3-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
1,4-Dichlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
2-Butanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
2-Hexanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
4-Methyl-2-pentanone	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Acetone	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Benzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Bromodichloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Bromoform	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Bromomethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Carbon Disulfide	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Carbon Tetrachloride	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Chlorobenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Chloroethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Chloroform	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Chloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
cis-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
cis-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Cyclohexane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Dibromochloromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Dichlorodifluoromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Ethylbenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Isopropylbenzene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Methyl acetate	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Methyl tert butyl ether	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Methylcyclohexane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Methylene chloride	7	J	13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Styrene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Tetrachloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Toluene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Total Xylenes	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
trans-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
trans-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Trichloroethene	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Trichlorofluoromethane	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP
Vinyl chloride	ND		13	UG/KG	EPA VOA	10/03/2003 14:56	DGP

Sample ID: FS-MW06RK-D810-S-0
Lab Sample ID: A3931103
Date Collected: 09/25/2003
Time Collected: 16:20

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4,5-Trichlorophenol	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4,6-Trichlorophenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4-Dichlorophenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4-Dimethylphenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4-Dinitrophenol	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,4-Dinitrotoluene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2,6-Dinitrotoluene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Chloronaphthalene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Chlorophenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Methylnaphthalene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Methylphenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Nitroaniline	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
2-Nitrophenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
3,3'-Dichlorobenzidine	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
3-Nitroaniline	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4,6-Dinitro-2-methylphenol	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Bromophenyl phenyl ether	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Chloro-3-methylphenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Chloroaniline	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Chlorophenyl phenyl ether	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Methylphenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Nitroaniline	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
4-Nitrophenol	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Acenaphthene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Acenaphthylene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Acetophenone	ND		880	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Anthracene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Atrazine	ND		880	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzaldehyde	ND		880	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzo(a)anthracene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzo(a)pyrene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzo(b)fluoranthene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzo(ghi)perylene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Benzo(k)fluoranthene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Biphenyl	ND		880	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Bis(2-chloroethoxy) methane	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Bis(2-chloroethyl) ether	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Bis(2-ethylhexyl) phthalate	180	BJ	440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Butyl benzyl phthalate	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Caprolactam	ND		880	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Carbazole	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Chrysene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Di-n-butyl phthalate	25	BJ	440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Di-n-octyl phthalate	17	BJ	440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Dibenzo(a,h)anthracene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Dibenzofuran	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Diethyl phthalate	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Dimethyl phthalate	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM

Sample ID: FS-MW06RK-D810-S-0
Lab Sample ID: A3931103
Date Collected: 09/25/2003
Time Collected: 16:20

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Fluorene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Hexachlorobenzene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Hexachlorobutadiene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Hexachlorocyclopentadiene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Hexachloroethane	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Indeno(1,2,3-cd)pyrene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Isophorone	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
N-Nitroso-Di-n-propylamine	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
N-nitrosodiphenylamine	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Naphthalene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Nitrobenzene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Pentachlorophenol	ND		1100	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Phenanthrene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Phenol	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
Pyrene	ND		440	UG/KG	EPA SVOA	10/14/2003 15:10	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
4,4'-DDE	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
4,4'-DDT	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Aldrin	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
alpha-BHC	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
alpha-Chlordane	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1016	ND		45	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1221	ND		91	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1232	ND		45	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1242	ND		45	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1248	ND		45	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1254	ND		45	UG/KG	EPA P/PCB	10/16/2003	
Aroclor 1260	ND		45	UG/KG	EPA P/PCB	10/16/2003	
beta-BHC	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
delta-BHC	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Dieldrin	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan I	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan II	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Endosulfan Sulfate	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Endrin	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Endrin aldehyde	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
Endrin ketone	ND		4.5	UG/KG	EPA P/PCB	10/16/2003	
gamma-BHC (Lindane)	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
gamma-Chlordane	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Heptachlor	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Heptachlor epoxide	ND		2.3	UG/KG	EPA P/PCB	10/16/2003	
Methoxychlor	ND		23	UG/KG	EPA P/PCB	10/16/2003	
Toxaphene	ND		230	UG/KG	EPA P/PCB	10/16/2003	
Metals Analysis							
Aluminum - Total	6980	E	2.5	MG/KG	CLP-M	10/03/2003 10:36	

STL Buffalo

Sample ID: FS-MW06RK-D810-S-0
Lab Sample ID: A3931103
Date Collected: 09/25/2003
Time Collected: 16:20

Date Received: 09/26/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	0.77	B	0.57	MG/KG	CLP-M	10/03/2003 10:36	
Arsenic - Total	5.9		0.46	MG/KG	CLP-M	10/03/2003 10:36	
Barium - Total	38.3	E	0.03	MG/KG	CLP-M	10/03/2003 10:36	
Beryllium - Total	0.34	B	0.01	MG/KG	CLP-M	10/03/2003 10:36	
Cadmium - Total	ND		0.04	MG/KG	CLP-M	10/03/2003 10:36	
Calcium - Total	42800	E	2.0	MG/KG	CLP-M	10/03/2003 10:36	
Chromium - Total	9.0	E	0.12	MG/KG	CLP-M	10/03/2003 10:36	
Cobalt - Total	6.5	BE	0.10	MG/KG	CLP-M	10/03/2003 10:36	
Copper - Total	29.7		0.24	MG/KG	CLP-M	10/03/2003 10:36	
Iron - Total	14500	E	2.2	MG/KG	CLP-M	10/03/2003 10:36	
Lead - Total	7.6		0.22	MG/KG	CLP-M	10/03/2003 10:36	
Magnesium - Total	3330	E	1.4	MG/KG	CLP-M	10/03/2003 10:36	
Manganese - Total	664	E	0.03	MG/KG	CLP-M	10/03/2003 10:36	
Mercury - Total	0.038	B	0.018	MG/KG	CLP-M	10/07/2003 12:53	
Nickel - Total	11.7	E	0.12	MG/KG	CLP-M	10/03/2003 10:36	
Potassium - Total	1050		7.2	MG/KG	CLP-M	10/03/2003 10:36	
Selenium - Total	ND		0.39	MG/KG	CLP-M	10/03/2003 10:36	
Silver - Total	ND		0.10	MG/KG	CLP-M	10/03/2003 10:36	
Sodium - Total	ND		34.6	MG/KG	CLP-M	10/03/2003 10:36	
Thallium - Total	2.1		0.53	MG/KG	CLP-M	10/03/2003 10:36	
Vanadium - Total	15.4	E	0.11	MG/KG	CLP-M	10/03/2003 10:36	
Zinc - Total	43.9	E	0.24	MG/KG	CLP-M	10/03/2003 10:36	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.3	MG/KG	CLP-WC	10/02/2003 18:01	JMS
Leachable pH	7.62		0	S.U.	9045	09/29/2003 19:45	KS

Chain of Custody

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	9-24-03	135357
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 00 VOCs	ASP 00 SVOCs	ASP 00 PCB/Pest	ASP-TAL Metals	ASP TCN	Special Instructions/ Conditions of Receipt
FS-MW050B-024265-0	9-24-03	11:30				X	1 x 40z						X					Changed ID's as per client 10/03/03
FS-MW050B-02428-S-0	9-24-03	11:30				X	1 x 4oz							X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	A. Olenkiewicz	9/26/03	9:15	STL	9-26-03	09:15
2.						
3.						

Comments

12.8°C

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

19920

Chain of Custody Record

Severn Trent Services — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-25-03	Chain of Custody Number: 135359
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716)655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella / Lab Contact: Ryan Van Dette	Analysis (Attach list if more space is needed)	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	ASP-00 VOCs	ASP/00 SVOCs	ASP00 PCB/Pest	ASP-TAL Metals	ASP-T CN	Special Instructions/ Conditions of Receipt
FS-MW030B-08W-S-0	9-25-03	4:20p				X	1x4oz 1x16oz						X	X	X	X	X	Changed ID as per client 10/03/03

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: R Napieralski	9/26/03	9:15	1. Received By: [signature] STL	9-26-03	09:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 12.8°C

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

20\20

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
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ANALYTICAL REPORT

Job#: A03-8566,A03-8637,A03-8654,A03-8707,A03-8709

STL Project#: NY3A9078
SDG#: 0908E1
Site Name: TVGA Consultants
Tasks: Former Flintkote Site SI/RAR - Concrete
Former Flintkote Site SI/RAR - Sediment
Former Flintkote Site SI/RAR-Subsurface Soil/Fill

Mr. James Manzella
1000 Maple Road
P.O. Box H
Elma, NY 14059

STL Buffalo

Ryan T. VanDette
Project Manager

02/03/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
A2LA (ISO 17025)	SDWA, CWA, RCRA	0732-01
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP CWA, RCRA	01169CA
Canada	GENERAL	SCC 1007-15/10B
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP CWA, RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA, CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
Tennessee	SDWA	2970
USDA	FOREIGN SOIL PERMIT	S-4650
Virginia	SDWA	278
Washington	CWA, RCRA	C254
West Virginia	CWA	252
Wisconsin	CWA, RCRA	998310390
Wyoming UST	UST	NA

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A3870906	FS-BLDG E-SED-0	09/11/2003	09:30	09/12/2003	09:00
A3870902	FS-BLDG-D-SED-0	09/11/2003	10:45	09/12/2003	09:00
A3870905	FS-BLDGC-SED-0	09/11/2003	11:45	09/12/2003	09:00
A3870904	FS-BLDGD-FELT-0	09/11/2003	10:00	09/12/2003	09:00
A3870901	FS-EMC01-SED-0	09/11/2003	14:15	09/12/2003	09:00
A3863702	FS-MICRO01-D610-S-0	09/09/2003	09:45	09/10/2003	10:00
A3863701	FS-MICRO01-D68-S-0	09/09/2003	09:45	09/10/2003	10:00
A3863703	FS-SP02-D24-S-0	09/09/2003	08:30	09/10/2003	10:00
A3863704	FS-SP02-D26-S-0	09/09/2003	08:30	09/10/2003	10:00
A3856601	FS-SP03-D04-S-O	09/08/2003	13:15	09/09/2003	09:00
A3865401	FS-SP06-D24-S-0	09/10/2003	13:15	09/11/2003	09:25
A3865402	FS-SP07-D24-S-0	09/10/2003	12:50	09/11/2003	09:25
A3865403	FS-SP09-D14-S-0	09/10/2003	10:45	09/11/2003	09:25
A3863707	FS-SP11-D1012-S-0	09/09/2003	14:30	09/10/2003	10:00
A3863706	FS-SP11-D410-S-0	09/09/2003	14:15	09/10/2003	10:00
A3863705	FS-SP11-D810-S-0	09/09/2003	14:15	09/10/2003	10:00
A3863708	FS-SP12-D02-S-0	09/09/2003	13:30	09/10/2003	10:00
A3863709	FS-SP13-D0.53.5-S-0	09/09/2003	12:45	09/10/2003	10:00
A3863709MD	FS-SP13-D0.53.5-S-MD	09/09/2003	12:45	09/10/2003	10:00
A3863709MS	FS-SP13-D0.53.5-S-MS	09/09/2003	12:45	09/10/2003	10:00
A3863709SD	FS-SP13-D0.53.5-SSD	09/09/2003	12:45	09/10/2003	10:00
A3856602	FS-SP16-D812-S-O	09/08/2003	10:30	09/09/2003	09:00
A3856603	FS-SP19-D048-S-O	09/08/2003	08:45	09/09/2003	09:00
A3865404	FS-SP21-D45-S-0	09/10/2003	08:45	09/11/2003	09:25
A3865405	FS-SP23-D14-S-0	09/10/2003	12:20	09/11/2003	09:25
A3865406	FS-SP23-D14-S-0	09/10/2003	12:20	09/11/2003	09:25
A3865407	FS-SPXX-RB	09/10/2003	14:15	09/11/2003	09:25
A3870701	FS-SS01-CC-0	09/11/2003	12:00	09/12/2003	09:00
A3870903	FS-SS02-SED-0	09/11/2003	12:30	09/12/2003	09:00
A3870702	FS-SS03-CC-0	09/11/2003	12:30	09/12/2003	09:00

METHODS SUMMARY

Job#: A03-8566,A03-8637,A03-8654,A03-8707,A03-8709

STL Project#: NY3A9078
SDG#: 0908E1
Site Name: TVGA Consultants

PARAMETER	ANALYTICAL METHOD	
TVGA - ASP00 EPA - VOLATILES - S	ASP00	EPA VOA
TVGA - EPA ASP 2000 - VOLATILES - W	ASP00	EPA VOA
TVGA - ASP 2000 EPA - SEMIVOLATILES - W	ASP00	EPA SVOA
TVGA - ASP00 EPA - SEMIVOLATILES - S	ASP00	EPA SVOA
TVGA - ASP00 8082 - POLYCHLORINATED BIPHENYLS - S	ASP00	8082
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - S	ASP00	EPA P/PCB
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W	ASP00	EPA P/PCB
Aluminum - Total	ASP00	CLP-M
Antimony - Total	ASP00	CLP-M
Arsenic - Total	ASP00	CLP-M
Barium - Total	ASP00	CLP-M
Beryllium - Total	ASP00	CLP-M
Cadmium - Total	ASP00	CLP-M
Calcium - Total	ASP00	CLP-M
Chromium - Total	ASP00	CLP-M
Cobalt - Total	ASP00	CLP-M
Copper - Total	ASP00	CLP-M
Iron - Total	ASP00	CLP-M
Lead - Total	ASP00	CLP-M
Magnesium - Total	ASP00	CLP-M
Manganese - Total	ASP00	CLP-M
Mercury - Total	ASP00	CLP-M
Nickel - Total	ASP00	CLP-M
Potassium - Total	ASP00	CLP-M
Selenium - Total	ASP00	CLP-M
Silver - Total	ASP00	CLP-M
Sodium - Total	ASP00	CLP-M
Thallium - Total	ASP00	CLP-M
Vanadium - Total	ASP00	CLP-M
Zinc - Total	ASP00	CLP-M
Cyanide - Total	ASP00	CLP-WC
Leachable pH	ASP00	9045

References:

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

NON-CONFORMANCE SUMMARY

Job#: A03-8566,A03-8637,A03-8654,A03-8707,A03-8709

STL Project#: NY3A9078
SDG#: 0908E1
Site Name: TVGA Consultants

General Comments

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

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

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

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

Sample Receipt Comments

A03-8566
Sample Cooler(s) were received at the following temperature(s); 2.8 °C
All samples were received in good condition.
A03-8637
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A03-8654
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
Sample 06 listed on chain of custody as FS-SP23-D14-S-0, received on bottle as FS-SP23-D15-S-0. Logged in using chain of custody.
A03-8707
Sample Cooler(s) were received at the following temperature(s); 2 @ 5.0 °C
All samples were received in good condition.
A03-8709
Sample Cooler(s) were received at the following temperature(s); 2@5.0 °C
All samples were received in good condition.

GC/MS Volatile Data

All water samples were preserved to a PH less than 2.

Continuing calibration standard A3C0005252-1 exhibited the % difference of Bromomethane and surrogate p-Bromofluorobenzene as greater than 25%. However, ASP00 protocol allows for the % difference of up to two analytes to exceed quality control limits. As a result no corrective action was required.

The analyte Methylene Chloride was detected in Method Blanks VBLK59, VBLK60, and VBLK63 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The recovery of internal standards 1,4-Difluorobenzene and Chlorobenzene-D5 were below quality control limits in sample FS-BLDGD-FELT-0. The sample was reanalyzed with similar results, thus indicating a potential matrix interference. Both sets of data were reported.

GC/MS Semivolatile Data

The analytes Bis(2-ethylhexyl)phthalate and Di-n-butyl phthalate were detected in the Method Blank A3B1027003 and A3B1051303 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are below the requested reporting limits.

The analyte Bis(2-ethylhexyl)phthalate was detected in the Method Blank A3B1035403 at a level below the project established reporting limit. No corrective action is necessary for any values in Method Blanks that are
below the requested reporting limits.

The spike recoveries for 2,4-Dinitrotoluene in the Matrix Spike Blank A3B1018001 and 2,4-Dinitrotoluene and 4-Nitrophenol in the Matrix Spike Blank Duplicate A3B1018002 were above the method defined quality control limits. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The spike recoveries for 2,4-Dinitrotoluene, 4-Nitrophenol and Phenol were above the method defined quality control limits in the Matrix Spike Blank A3B1027001. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

The spike recovery for 4-Nitrophenol was above the method defined quality control limits in the Matrix Spike Blank A3B1035401 and the Matrix Spike Blank Duplicate A3B1035402. Since the results were biased high and the analytes were not detected in the samples, no corrective action was performed.

Several spike recoveries were above the method defined quality control limits in the Matrix Spike FS-SP13-DO.53.5-S-MS and Matrix Spike Duplicate FS-SP13-DO.53.5-SSD. No corrective action was required.

Sample FS-BLDGD-FELT-0 had severe chromatographic matrix interference that completely saturated the detector. This caused problems with both internal standards and surrogte recoveries. The sample was re-analyzed at a dilution of ten causing all surrogates to be diluted out.

The surrogate recovery for Dichlorobenzene-d5 was diluted out of sample FS-EMCO1-SED-0 and all surrogates were diluted out of sample FS-EMCO1-SED-0 DL.

GC Extractable Data

For method ASP00 Pseticides/Aroclors, the recovery of surrogate Decachlorobiphenyl in samples SP-03-D04, SP-09-D14, SP-21-D45, and SP-23-D14 is outside of established quality control limits due to heavy sample matrix interferences. The recovery of surrogate Tetrachloro-m-xylene is within quality control limits; no corrective action is required.

Several compounds in the closing INDAM exhibited a percent difference greater than 25% from the expected amount due to the destructive nature of the extracts run previous. The associated laboratory quality control recoveries are compliant and the samples are nondetect for these analytes, no corrective action required.

The Florisil Check and the Gel Permeation Column Check recoveries show a few compounds elevated and greater than 110% recovery due to variability in the calibration check runs. There is no loss of any of the compounds present. In the technical judgement of the laboratory, the sample data has not been impacted and no corrective action is required.

For method 8082, the recovery of surrogate Tetrachloro-m-xylene in sample FS-SS02-SED-0 is outside of established quality control limits due to the sample matrix and dilution. The recovery of surrogate Decachlorobiphenyl is within quality control criteria; no corrective action is required.

Metals Data

The following elements are not contained in the CLP spiking solution in samples FS-SP19-D048-S-O MS, FS-SP19-D048-S-O SD, FS-SP13-D0.53.5-5-0 MS, FS-SPXX-RB MS, and FS-SPXX-RB SD: Aluminum, Calcium, Iron, Mangesium, Potassium, and Sodium.

The recovery of sample FS-SP19-D048-S-O MS fell below quality control limits for Antimony, Selenium, Thallium, and Zinc and fell above quality control limits for Barium, Copper, and Manganese. The recovery of sample FS-SP19-D048-S-O SD fell below quality control limits for Antimony, Selenium, Thallium, and Zinc and fell above quality control limits for Manganese. The recovery of sample FS-SP13-D0.53.5-S-O MS fell below quality control limits for Antimony, Cadmium, Copper, and Lead. The LCS was acceptable for all elements.

The recovery of sample FS-SP19-D048-S-O MS fell above quality control limits for Arsenic and Lead. The recovery of sample FS-SP19-D048-S-O SD fell below quality control limits for Arsenic and Lead. The sample results are more than four times greater than the spike added, therefore, no qualifiers are needed. The LCS was acceptable for all elements.

The relative percent difference between sample FS-SP19-D048-S-O and FS-SP19-D048-S-O MD exceeded quality control criteria for Calcium, Copper, Iron, Lead, Magnesium, Manganese, and Thallium. The relative percent difference between sample FS-SP19-D048-S-O MS and FS-SP19-D048-S-O SD exceeded quality control criteria for Arsenic, Barium, Cadmium, and Copper. The relative percent difference between sample FS-SP13-D0.53.5-S-MD exceeded quality control criteria for Copper, Lead, and Mercury. The relative percent difference between sample FS-SPXX-RB and FS-SPXX-RB MD exceeded quality control criteria for Iron. The LCS was acceptable for all elements.

The analyte Iron was detected in the Method Blank at a level above the project established reporting limit. However, all samples had levels of Iron greater than ten times that of the Method Blank value, therefore, no corrective action was necessary.

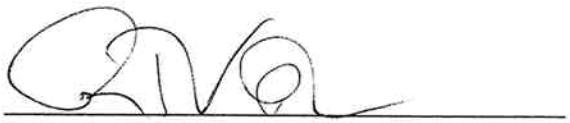
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

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

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



Ryan T. VanDette
Project Manager

2/3/04
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-SP03-D04-S-0	A3856601	EPA P/PCB	10.00	008
FS-SP02-D26-S-0	A3863704	EPA P/PCB	10.00	008
FS-SP02-D26-S-0	A3863704	EPA SVOA	5.00	008
FS-SP02-D26-S-0	A3863704	Calcium - Total	5.00	008
FS-SP11-D410-S-0	A3863706	EPA P/PCB	10.00	008
FS-SP11-D410-S-0	A3863706	EPA SVOA	10.00	002
FS-SP11-D410-S-0	A3863706	Barium - Total	20.00	008
FS-SP11-D410-S-0	A3863706	Calcium - Total	20.00	008
FS-SP11-D410-S-0	A3863706	Copper - Total	20.00	008
FS-SP11-D410-S-0	A3863706	Iron - Total	20.00	008
FS-SP11-D410-S-0	A3863706	Lead - Total	20.00	008
FS-SP11-D410-S-0	A3863706	Zinc - Total	20.00	008
FS-SP11-D410-S-0 DL	A3863706DL	EPA P/PCB	100.00	008
FS-SP11-D1012-S-0	A3863707	Calcium - Total	5.00	008
FS-SP12-D02-S-0	A3863708	EPA P/PCB	10.00	008
FS-SP12-D02-S-0	A3863708	EPA SVOA	5.00	008
FS-SP12-D02-S-0	A3863708	Calcium - Total	50.00	008
FS-SP12-D02-S-0	A3863708	Copper - Total	50.00	008
FS-SP12-D02-S-0	A3863708	Iron - Total	50.00	008
FS-SP12-D02-S-0	A3863708	Lead - Total	50.00	008
FS-SP12-D02-S-0	A3863708	Mercury - Total	10.00	008
FS-SP12-D02-S-0	A3863708	Zinc - Total	50.00	008
FS-SP06-D24-S-0	A3865401	Calcium - Total	5.00	008
FS-SP09-D14-S-0	A3865403	EPA P/PCB	4.00	008
FS-SP09-D14-S-0	A3865403	Calcium - Total	10.00	008
FS-SP09-D14-S-0	A3865403	Lead - Total	10.00	008
FS-SP09-D14-S-0	A3865403	Zinc - Total	10.00	008
FS-SP21-D45-S-0	A3865404	EPA P/PCB	4.00	008
FS-SP21-D45-S-0	A3865404	EPA SVOA	4.00	008
FS-SP23-D14-S-0	A3865406	EPA P/PCB	4.00	008
FS-SP23-D14-S-0	A3865406	Barium - Total	10.00	008
FS-SP23-D14-S-0	A3865406	Calcium - Total	10.00	008
FS-SP23-D14-S-0	A3865406	Mercury - Total	10.00	008
FS-SP23-D14-S-0	A3865406	Zinc - Total	10.00	008
FS-SS03-CC-0	A3870702	8082	2.00	008
FS-EMC01-SED-0	A3870901	EPA P/PCB	100.00	008
FS-EMC01-SED-0	A3870901	EPA SVOA	50.00	008
FS-EMC01-SED-0 DL	A3870901DL	EPA P/PCB	1000.00	008
FS-EMC01-SED-0 DL	A3870901DL	EPA SVOA	250.00	008
FS-BLDG-D-SED-0	A3870902	EPA P/PCB	100.00	008

Dilution Code Definition:

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

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
FS-BLDG-D-SED-0	A3870902	EPA SVOA	10.00	008
FS-BLDG-D-SED-0	A3870902	Zinc - Total	10.00	008
FS-BLDG-D-SED-0 DL	A3870902DL	EPA P/PCB	1000.00	008
FS-SS02-SED-0	A3870903	8082	4.00	008
FS-BLDGD-FELT-0	A3870904	EPA P/PCB	10.00	008
FS-BLDGD-FELT-0 DL	A3870904DL	EPA P/PCB	100.00	008
FS-BLDGD-FELT-0 DL	A3870904DL	EPA SVOA	10.00	008
FS-BLDGC-SED-0	A3870905	EPA P/PCB	10.00	008
FS-BLDGC-SED-0	A3870905	EPA SVOA	10.00	002
FS-BLDGC-SED-0	A3870905	Copper - Total	50.00	008
FS-BLDGC-SED-0	A3870905	Iron - Total	50.00	008
FS-BLDGC-SED-0	A3870905	Lead - Total	50.00	008
FS-BLDGC-SED-0	A3870905	Zinc - Total	50.00	008
FS-BLDGC-SED-0 DL	A3870905DL	EPA P/PCB	100.00	008
FS-BLDG E-SED-0	A3870906	EPA P/PCB	10.00	008
FS-BLDG E-SED-0	A3870906	EPA SVOA	10.00	008
FS-BLDG E-SED-0	A3870906	Copper - Total	10.00	008
FS-BLDG E-SED-0	A3870906	Iron - Total	10.00	008
FS-BLDG E-SED-0	A3870906	Zinc - Total	200.00	008

Dilution Code Definition:

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

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

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

INORGANIC DATA QUALIFIERS

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

Sample Data Package

Sample ID: FS-BLDG E-SED-0
Lab Sample ID: A3870906
Date Collected: 09/11/2003
Time Collected: 09:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,1,2,2-Tetrachloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,1,2-Trichloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,1-Dichloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,1-Dichloroethene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2,4-Trichlorobenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2-Dibromo-3-chloropropane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2-Dibromoethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2-Dichloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,2-Dichloropropane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,3-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
1,4-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
2-Butanone	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
2-Hexanone	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
4-Methyl-2-pentanone	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Acetone	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Benzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Bromodichloromethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Bromoform	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Bromomethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Carbon Disulfide	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Carbon Tetrachloride	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Chlorobenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Chloroethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Chloroform	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Chloromethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
cis-1,2-Dichloroethene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
cis-1,3-Dichloropropene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Cyclohexane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Dibromochloromethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Dichlorodifluoromethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Ethylbenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Isopropylbenzene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Methyl acetate	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Methyl tert butyl ether	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Methylcyclohexane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Methylene chloride	11	BJ	15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Styrene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Tetrachloroethene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Toluene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Total Xylenes	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
trans-1,2-Dichloroethene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
trans-1,3-Dichloropropene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Trichloroethene	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Trichlorofluoromethane	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP
Vinyl chloride	ND		15	UG/KG	EPA VOA	09/15/2003 19:12	DGP

Sample ID: FS-BLDG E-SED-0
Lab Sample ID: A3870906
Date Collected: 09/11/2003
Time Collected: 09:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4,5-Trichlorophenol	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4,6-Trichlorophenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4-Dichlorophenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4-Dimethylphenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4-Dinitrophenol	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,4-Dinitrotoluene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2,6-Dinitrotoluene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Chloronaphthalene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Chlorophenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Methylnaphthalene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Methylphenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Nitroaniline	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
2-Nitrophenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
3,3'-Dichlorobenzidine	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
3-Nitroaniline	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4,6-Dinitro-2-methylphenol	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Bromophenyl phenyl ether	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Chloro-3-methylphenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Chloroaniline	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Chlorophenyl phenyl ether	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Methylphenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Nitroaniline	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
4-Nitrophenol	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Acenaphthene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Acenaphthylene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Acetophenone	ND		20000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Anthracene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Atrazine	ND		20000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzaldehyde	ND		20000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzo(a)anthracene	1000	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzo(a)pyrene	270	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzo(b)fluoranthene	750	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzo(ghi)perylene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Benzo(k)fluoranthene	840	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Biphenyl	ND		20000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Bis(2-chloroethoxy) methane	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Bis(2-chloroethyl) ether	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Bis(2-ethylhexyl) phthalate	52000	B	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Butyl benzyl phthalate	810	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Caprolactam	ND		20000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Carbazole	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Chrysene	1100	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Di-n-butyl phthalate	41000	B	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Di-n-octyl phthalate	4200	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Dibenzo(a,h)anthracene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Dibenzofuran	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Diethyl phthalate	2400	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Dimethyl phthalate	3000	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM

Sample ID: FS-BLDG E-SED-0
Lab Sample ID: A3870906
Date Collected: 09/11/2003
Time Collected: 09:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2200	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Fluorene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Hexachlorobenzene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Hexachlorobutadiene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Hexachlorocyclopentadiene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Hexachloroethane	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Indeno(1,2,3-cd)pyrene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Isophorone	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
N-Nitroso-Di-n-propylamine	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
N-nitrosodiphenylamine	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Naphthalene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Nitrobenzene	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Pentachlorophenol	ND		24000	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Phenanthrene	1400	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Phenol	ND		9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
Pyrene	890	J	9900	UG/KG	EPA SVOA	09/26/2003 09:53	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		49	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		49	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		25	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		490	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		990	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		490	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	510	P	490	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		490	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	460	JP	490	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		490	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		49	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		49	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		25	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		250	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		2500	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	18700	E	2.8	MG/KG	CLP-M	09/18/2003 07:23	

Sample ID: FS-BLDG E-SED-0
Lab Sample ID: A3870906
Date Collected: 09/11/2003
Time Collected: 09:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	13.9	N	0.62	MG/KG	CLP-M	09/18/2003 07:23	
Arsenic - Total	30.2		0.50	MG/KG	CLP-M	09/18/2003 07:23	
Barium - Total	262	E	0.03	MG/KG	CLP-M	09/18/2003 07:23	
Beryllium - Total	0.59	B	0.02	MG/KG	CLP-M	09/18/2003 07:23	
Cadmium - Total	19.9	N	0.05	MG/KG	CLP-M	09/18/2003 07:23	
Calcium - Total	6200	E	2.2	MG/KG	CLP-M	09/18/2003 07:23	
Chromium - Total	93.7	E	0.14	MG/KG	CLP-M	09/18/2003 07:23	
Cobalt - Total	17.6	E	0.11	MG/KG	CLP-M	09/18/2003 07:23	
Copper - Total	3500	EN*	2.6	MG/KG	CLP-M	09/20/2003 05:26	
Iron - Total	41600	E	24.4	MG/KG	CLP-M	09/20/2003 05:26	
Lead - Total	484	N*	0.24	MG/KG	CLP-M	09/18/2003 07:23	
Magnesium - Total	2400	E	1.5	MG/KG	CLP-M	09/18/2003 07:23	
Manganese - Total	567	E	0.03	MG/KG	CLP-M	09/18/2003 07:23	
Mercury - Total	1.5		0.008	MG/KG	CLP-M	09/26/2003 13:34	
Nickel - Total	288	E	0.14	MG/KG	CLP-M	09/18/2003 07:23	
Potassium - Total	587	B	7.9	MG/KG	CLP-M	09/18/2003 07:23	
Selenium - Total	15.4		0.42	MG/KG	CLP-M	09/18/2003 07:23	
Silver - Total	3.7		0.11	MG/KG	CLP-M	09/18/2003 07:23	
Sodium - Total	1750		37.9	MG/KG	CLP-M	09/18/2003 07:23	
Thallium - Total	34.4		0.57	MG/KG	CLP-M	09/18/2003 07:23	
Vanadium - Total	13.1	E	0.12	MG/KG	CLP-M	09/18/2003 07:23	
Zinc - Total	45100	E	51.4	MG/KG	CLP-M	09/21/2003 12:02	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.5	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.19		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-BLDG-D-SED-0
Lab Sample ID: A3870902
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,1,2,2-Tetrachloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,1,2-Trichloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,1-Dichloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,1-Dichloroethene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2,4-Trichlorobenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2-Dibromo-3-chloropropane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2-Dibromoethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2-Dichlorobenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2-Dichloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,2-Dichloropropane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,3-Dichlorobenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
1,4-Dichlorobenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
2-Butanone	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
2-Hexanone	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
4-Methyl-2-pentanone	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Acetone	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Benzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Bromodichloromethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Bromoform	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Bromomethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Carbon Disulfide	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Carbon Tetrachloride	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Chlorobenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Chloroethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Chloroform	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Chloromethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
cis-1,2-Dichloroethene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
cis-1,3-Dichloropropene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Cyclohexane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Dibromochloromethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Dichlorodifluoromethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Ethylbenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Isopropylbenzene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Methyl acetate	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Methyl tert butyl ether	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Methylcyclohexane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Methylene chloride	27	BJ	44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Styrene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Tetrachloroethene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Toluene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Total Xylenes	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
trans-1,2-Dichloroethene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
trans-1,3-Dichloropropene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Trichloroethene	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Trichlorofluoromethane	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP
Vinyl chloride	ND		44	UG/KG	EPA VOA	09/15/2003 18:19	DGP

Sample ID: FS-BLDG-D-SED-0
Lab Sample ID: A3870902
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4,5-Trichlorophenol	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4,6-Trichlorophenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4-Dichlorophenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4-Dimethylphenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4-Dinitrophenol	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,4-Dinitrotoluene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2,6-Dinitrotoluene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Chloronaphthalene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Chlorophenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Methylnaphthalene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Methylphenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Nitroaniline	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
2-Nitrophenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
3,3'-Dichlorobenzidine	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
3-Nitroaniline	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4,6-Dinitro-2-methylphenol	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Bromophenyl phenyl ether	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Chloro-3-methylphenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Chloroaniline	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Chlorophenyl phenyl ether	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Methylphenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Nitroaniline	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
4-Nitrophenol	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Acenaphthene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Acenaphthylene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Acetophenone	ND		58000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Anthracene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Atrazine	ND		58000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzaldehyde	ND		58000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzo(a)anthracene	3500	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzo(a)pyrene	4800	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzo(b)fluoranthene	3600	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzo(ghi)perylene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Benzo(k)fluoranthene	3800	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Biphenyl	ND		58000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Bis(2-chloroethoxy) methane	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Bis(2-chloroethyl) ether	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Bis(2-ethylhexyl) phthalate	120000	B	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Butyl benzyl phthalate	1600	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Caprolactam	ND		58000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Carbazole	1000	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Chrysene	4500	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Di-n-butyl phthalate	3700	BJ	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Di-n-octyl phthalate	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Dibenzo(a,h)anthracene	850	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Dibenzofuran	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Diethyl phthalate	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Dimethyl phthalate	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM

Sample ID: FS-BLDG-D-SED-0
Lab Sample ID: A3870902
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	7000	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Fluorene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Hexachlorobenzene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Hexachlorobutadiene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Hexachlorocyclopentadiene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Hexachloroethane	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Indeno(1,2,3-cd)pyrene	2800	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Isophorone	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
N-Nitroso-Di-n-propylamine	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
N-nitrosodiphenylamine	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Naphthalene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Nitrobenzene	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Pentachlorophenol	ND		70000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Phenanthrene	3900	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Phenol	ND		29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
Pyrene	19000	J	29000	UG/KG	EPA SVOA	09/26/2003 08:44	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		770	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		770	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		30000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	44000		15000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	64000	P	15000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		770	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		1500	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		770	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		770	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		77000	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	9350	E	8.3	MG/KG	CLP-M	09/18/2003 07:08	

Sample ID: FS-BLDG-D-SED-0
Lab Sample ID: A3870902
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	27.8	N	1.8	MG/KG	CLP-M	09/18/2003 07:08	
Arsenic - Total	55.5		1.5	MG/KG	CLP-M	09/18/2003 07:08	
Barium - Total	357	E	0.09	MG/KG	CLP-M	09/18/2003 07:08	
Beryllium - Total	0.71	B	0.05	MG/KG	CLP-M	09/18/2003 07:08	
Cadmium - Total	23.0	N	0.14	MG/KG	CLP-M	09/18/2003 07:08	
Calcium - Total	25400	E	6.5	MG/KG	CLP-M	09/18/2003 07:08	
Chromium - Total	180	E	0.41	MG/KG	CLP-M	09/18/2003 07:08	
Cobalt - Total	23.9	E	0.32	MG/KG	CLP-M	09/18/2003 07:08	
Copper - Total	3150	EN*	0.77	MG/KG	CLP-M	09/19/2003 01:15	
Iron - Total	95500	E	7.3	MG/KG	CLP-M	09/19/2003 01:15	
Lead - Total	695	N*	0.72	MG/KG	CLP-M	09/18/2003 07:08	
Magnesium - Total	7440	E	4.6	MG/KG	CLP-M	09/18/2003 07:08	
Manganese - Total	2020	E	0.09	MG/KG	CLP-M	09/18/2003 07:08	
Mercury - Total	8.1		0.024	MG/KG	CLP-M	09/26/2003 13:30	
Nickel - Total	158	E	0.41	MG/KG	CLP-M	09/18/2003 07:08	
Potassium - Total	1040	B	23.5	MG/KG	CLP-M	09/18/2003 07:08	
Selenium - Total	10.2	B	1.3	MG/KG	CLP-M	09/18/2003 07:08	
Silver - Total	3.2	B	0.32	MG/KG	CLP-M	09/18/2003 07:08	
Sodium - Total	1130	B	113	MG/KG	CLP-M	09/18/2003 07:08	
Thallium - Total	18.5		1.7	MG/KG	CLP-M	09/18/2003 07:08	
Vanadium - Total	23.7	E	0.36	MG/KG	CLP-M	09/18/2003 07:08	
Zinc - Total	5760	E	7.7	MG/KG	CLP-M	09/20/2003 05:06	
Wet Chemistry Analysis							
Cyanide - Total	2.2		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.39		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-BLDG-D-SED-O DL
Lab Sample ID: A3870902DL
Date Collected: 09/11/2003
Time Collected: 10:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		150000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		300000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		150000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	45000	DJ	150000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		150000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		150000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	82000	DJP	150000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		15000	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		7700	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		77000	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		770000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-BLDGC-SED-0
Lab Sample ID: A3870905
Date Collected: 09/11/2003
Time Collected: 11:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,1,2,2-Tetrachloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,1,2-Trichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,1-Dichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,1-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2,4-Trichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2-Dibromo-3-chloropropane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2-Dibromoethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2-Dichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,2-Dichloropropane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,3-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
1,4-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
2-Butanone	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
2-Hexanone	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
4-Methyl-2-pentanone	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Acetone	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Benzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Bromodichloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Bromoform	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Bromomethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Carbon Disulfide	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Carbon Tetrachloride	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Chlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Chloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Chloroform	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Chloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
cis-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
cis-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Cyclohexane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Dibromochloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Dichlorodifluoromethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Ethylbenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Isopropylbenzene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Methyl acetate	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Methyl tert butyl ether	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Methylcyclohexane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Methylene chloride	8	BJ	12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Styrene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Tetrachloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Toluene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Total Xylenes	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
trans-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
trans-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Trichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Trichlorofluoromethane	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP
Vinyl chloride	ND		12	UG/KG	EPA VOA	09/15/2003 18:54	DGP

Sample ID: FS-BLDGC-SED-0
Lab Sample ID: A3870905
Date Collected: 09/11/2003
Time Collected: 11:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4,5-Trichlorophenol	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4,6-Trichlorophenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4-Dichlorophenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4-Dimethylphenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4-Dinitrophenol	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,4-Dinitrotoluene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2,6-Dinitrotoluene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Chloronaphthalene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Chlorophenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Methylnaphthalene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Methylphenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Nitroaniline	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
2-Nitrophenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
3,3'-Dichlorobenzidine	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
3-Nitroaniline	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4,6-Dinitro-2-methylphenol	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Bromophenyl phenyl ether	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Chloro-3-methylphenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Chloroaniline	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Chlorophenyl phenyl ether	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Methylphenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Nitroaniline	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
4-Nitrophenol	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Acenaphthene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Acenaphthylene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Acetophenone	ND		16000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Anthracene	330	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Atrazine	ND		16000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzaldehyde	ND		16000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzo(a)anthracene	950	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzo(a)pyrene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzo(b)fluoranthene	720	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzo(ghi)perylene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Benzo(k)fluoranthene	780	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Biphenyl	ND		16000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Bis(2-chloroethoxy) methane	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Bis(2-chloroethyl) ether	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Bis(2-ethylhexyl) phthalate	1700	BJ	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Butyl benzyl phthalate	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Caprolactam	ND		16000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Carbazole	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Chrysene	860	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Di-n-butyl phthalate	300	BJ	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Di-n-octyl phthalate	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Dibenzo(a,h)anthracene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Dibenzofuran	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Diethyl phthalate	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Dimethyl phthalate	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM

Sample ID: FS-BLDGC-SED-0
Lab Sample ID: A3870905
Date Collected: 09/11/2003
Time Collected: 11:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2200	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Fluorene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Hexachlorobenzene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Hexachlorobutadiene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Hexachlorocyclopentadiene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Hexachloroethane	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Indeno(1,2,3-cd)pyrene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Isophorone	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
N-Nitroso-Di-n-propylamine	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
N-nitrosodiphenylamine	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Naphthalene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Nitrobenzene	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Pentachlorophenol	ND		19000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Phenanthrene	1600	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Phenol	ND		8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
Pyrene	800	J	8000	UG/KG	EPA SVOA	09/26/2003 09:19	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		40	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		40	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		21	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		21	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		820	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	4400	P	400	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	2900		400	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		21	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		40	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		40	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		21	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		21	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		2100	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	12200	E	2.3	MG/KG	CLP-M	09/18/2003 07:18	

Sample ID: FS-BLDGC-SED-0
Lab Sample ID: A3870905
Date Collected: 09/11/2003
Time Collected: 11:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	279	N	0.51	MG/KG	CLP-M	09/18/2003 07:18	
Arsenic - Total	45.5		0.41	MG/KG	CLP-M	09/18/2003 07:18	
Barium - Total	248	E	0.03	MG/KG	CLP-M	09/18/2003 07:18	
Beryllium - Total	0.28	B	0.01	MG/KG	CLP-M	09/18/2003 07:18	
Cadmium - Total	4.1	N	0.04	MG/KG	CLP-M	09/18/2003 07:18	
Calcium - Total	33600	E	1.8	MG/KG	CLP-M	09/18/2003 07:18	
Chromium - Total	174	E	0.11	MG/KG	CLP-M	09/18/2003 07:18	
Cobalt - Total	17.0	E	0.09	MG/KG	CLP-M	09/18/2003 07:18	
Copper - Total	53400	EN*	10.6	MG/KG	CLP-M	09/20/2003 05:11	
Iron - Total	176000	E	101	MG/KG	CLP-M	09/20/2003 05:11	
Lead - Total	13600	N*	10.0	MG/KG	CLP-M	09/20/2003 05:11	
Magnesium - Total	4680	E	1.3	MG/KG	CLP-M	09/18/2003 07:18	
Manganese - Total	1430	E	0.03	MG/KG	CLP-M	09/18/2003 07:18	
Mercury - Total	2.9		0.007	MG/KG	CLP-M	09/26/2003 13:33	
Nickel - Total	140	E	0.11	MG/KG	CLP-M	09/18/2003 07:18	
Potassium - Total	428	B	6.5	MG/KG	CLP-M	09/18/2003 07:18	
Selenium - Total	18.5		0.35	MG/KG	CLP-M	09/18/2003 07:18	
Silver - Total	15.6		0.09	MG/KG	CLP-M	09/18/2003 07:18	
Sodium - Total	529	B	31.4	MG/KG	CLP-M	09/18/2003 07:18	
Thallium - Total	29.1		0.48	MG/KG	CLP-M	09/18/2003 07:18	
Vanadium - Total	16.3	E	0.10	MG/KG	CLP-M	09/18/2003 07:18	
Zinc - Total	8590	E	10.6	MG/KG	CLP-M	09/20/2003 05:11	
Wet Chemistry Analysis							
Cyanide - Total	1.6		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.61		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-BLDGC-SED-0 DL
Lab Sample ID: A3870905DL
Date Collected: 09/11/2003
Time Collected: 11:45

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASPOO - PESTICIDES/AROCLORS							
4,4'-DDD	ND		400	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		400	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		210	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		210	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		4000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		8200	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		4000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		4000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		4000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	5100	D	4000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	3400	DJ	4000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		210	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		400	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		400	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		210	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		210	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		2100	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		21000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-BLDGD-FELT-0
Lab Sample ID: A3870904
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,1,2-Trichloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,1-Dichloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,1-Dichloroethene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2,4-Trichlorobenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2-Dibromoethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2-Dichloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,2-Dichloropropane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,3-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
1,4-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
2-Butanone	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
2-Hexanone	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
4-Methyl-2-pentanone	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Acetone	9	J	10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Benzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Bromodichloromethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Bromoform	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Bromomethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Carbon Disulfide	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Carbon Tetrachloride	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Chlorobenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Chloroethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Chloroform	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Chloromethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
cis-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
cis-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Cyclohexane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Dibromochloromethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Dichlorodifluoromethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Ethylbenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Isopropylbenzene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Methyl acetate	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Methyl tert butyl ether	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Methylcyclohexane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Methylene chloride	7	BJ	10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Styrene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Tetrachloroethene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Toluene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Total Xylenes	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
trans-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
trans-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Trichloroethene	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Trichlorofluoromethane	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP
Vinyl chloride	ND		10	UG/KG	EPA VOA	09/15/2003 18:36	DGP

Sample ID: FS-BLDGD-FELT-0
Lab Sample ID: A3870904
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4,5-Trichlorophenol	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4,6-Trichlorophenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4-Dichlorophenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4-Dimethylphenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4-Dinitrophenol	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,4-Dinitrotoluene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2,6-Dinitrotoluene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Chloronaphthalene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Chlorophenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Methylnaphthalene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Methylphenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Nitroaniline	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
2-Nitrophenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
3,3'-Dichlorobenzidine	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
3-Nitroaniline	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4,6-Dinitro-2-methylphenol	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Bromophenyl phenyl ether	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Chloro-3-methylphenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Chloroaniline	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Chlorophenyl phenyl ether	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Methylphenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Nitroaniline	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
4-Nitrophenol	ND		67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Acenaphthene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Acenaphthylene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Acetophenone	ND		55000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Anthracene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Atrazine	ND		55000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzaldehyde	ND		55000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzo(a)anthracene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzo(a)pyrene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzo(b)fluoranthene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzo(ghi)perylene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Benzo(k)fluoranthene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Biphenyl	ND		55000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Bis(2-chloroethoxy) methane	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Bis(2-chloroethyl) ether	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Bis(2-ethylhexyl) phthalate	41000	B	28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Butyl benzyl phthalate	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Caprolactam	ND		55000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Carbazole	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Chrysene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Di-n-butyl phthalate	14000	BJ	28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Di-n-octyl phthalate	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Dibenzo(a,h)anthracene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Dibenzofuran	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Diethyl phthalate	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Dimethyl phthalate	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM

Sample ID: FS-BLDGD-FELT-0
Lab Sample ID: A3870904
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	4400	J	28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Fluorene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Hexachlorobenzene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Hexachlorobutadiene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Hexachlorocyclopentadiene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Hexachloroethane	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Indeno(1,2,3-cd)pyrene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Isophorone	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
N-Nitroso-Di-n-propylamine	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
N-nitrosodiphenylamine	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Naphthalene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Nitrobenzene	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Pentachlorophenol	320000	E	67000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Phenanthrene	8700	J	28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Phenol	ND		28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
Pyrene	5800	J	28000	UG/KG	EPA SVOA	09/25/2003 19:47	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	200	JP	200	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		200	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	1600		200	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		100	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		100	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		4100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	6300		2000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		100	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	1200	P	200	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	90	JP	200	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Endrin	89	JP	200	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	400	P	200	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	420	P	200	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		100	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		100	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	1900	P	1000	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		10000	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	906	E	2.0	MG/KG	CLP-M	09/18/2003 07:13	

Sample ID: FS-BLDGD-FELT-0
Lab Sample ID: A3870904
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	33.1	N	0.44	MG/KG	CLP-M	09/18/2003 07:13	
Arsenic - Total	3.2		0.35	MG/KG	CLP-M	09/18/2003 07:13	
Barium - Total	92.2	E	0.02	MG/KG	CLP-M	09/18/2003 07:13	
Beryllium - Total	0.04	B	0.01	MG/KG	CLP-M	09/18/2003 07:13	
Cadmium - Total	2.9	N	0.03	MG/KG	CLP-M	09/18/2003 07:13	
Calcium - Total	6550	E	1.5	MG/KG	CLP-M	09/18/2003 07:13	
Chromium - Total	27.0	E	0.10	MG/KG	CLP-M	09/18/2003 07:13	
Cobalt - Total	0.96	BE	0.07	MG/KG	CLP-M	09/18/2003 07:13	
Copper - Total	78.0	EN*	0.18	MG/KG	CLP-M	09/19/2003 01:20	
Iron - Total	3050	E	1.7	MG/KG	CLP-M	09/19/2003 01:20	
Lead - Total	586	N*	0.17	MG/KG	CLP-M	09/18/2003 07:13	
Magnesium - Total	1090	E	1.1	MG/KG	CLP-M	09/18/2003 07:13	
Manganese - Total	57.8	E	0.02	MG/KG	CLP-M	09/18/2003 07:13	
Mercury - Total	1.3		0.006	MG/KG	CLP-M	09/26/2003 13:31	
Nickel - Total	7.2	E	0.10	MG/KG	CLP-M	09/18/2003 07:13	
Potassium - Total	578		5.6	MG/KG	CLP-M	09/18/2003 07:13	
Selenium - Total	0.68	B	0.30	MG/KG	CLP-M	09/18/2003 07:13	
Silver - Total	1.3		0.07	MG/KG	CLP-M	09/18/2003 07:13	
Sodium - Total	583		26.7	MG/KG	CLP-M	09/18/2003 07:13	
Thallium - Total	0.56	B	0.41	MG/KG	CLP-M	09/18/2003 07:13	
Vanadium - Total	4.0	BE	0.09	MG/KG	CLP-M	09/18/2003 07:13	
Zinc - Total	316	E	0.18	MG/KG	CLP-M	09/19/2003 01:20	
Wet Chemistry Analysis							
Cyanide - Total	3.1		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	5.42		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-BLDGD-FELT-O DL
Lab Sample ID: A3870904DL
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4,5-Trichlorophenol	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4,6-Trichlorophenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4-Dichlorophenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4-Dimethylphenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4-Dinitrophenol	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,4-Dinitrotoluene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2,6-Dinitrotoluene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Chloronaphthalene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Chlorophenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Methylnaphthalene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Methylphenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Nitroaniline	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
2-Nitrophenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
3,3'-Dichlorobenzidine	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
3-Nitroaniline	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4,6-Dinitro-2-methylphenol	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Bromophenyl phenyl ether	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Chloro-3-methylphenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Chloroaniline	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Chlorophenyl phenyl ether	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Methylphenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Nitroaniline	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
4-Nitrophenol	ND		670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Acenaphthene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Acenaphthylene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Acetophenone	ND		550000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Anthracene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Atrazine	ND		550000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzaldehyde	ND		550000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzo(a)anthracene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzo(a)pyrene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzo(b)fluoranthene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzo(ghi)perylene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Benzo(k)fluoranthene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Biphenyl	ND		550000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Bis(2-chloroethoxy) methane	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Bis(2-chloroethyl) ether	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Bis(2-ethylhexyl) phthalate	50000	BDJ	280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Butyl benzyl phthalate	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Caprolactam	ND		550000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Carbazole	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Chrysene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Di-n-butyl phthalate	15000	BDJ	280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Di-n-octyl phthalate	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Dibenzo(a,h)anthracene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Dibenzofuran	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Diethyl phthalate	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Dimethyl phthalate	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM

Sample ID: FS-BLDGD-FELT-O DL
Lab Sample ID: A3870904DL
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Fluorene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Hexachlorobenzene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Hexachlorobutadiene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Hexachlorocyclopentadiene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Hexachloroethane	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Indeno(1,2,3-cd)pyrene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Isophorone	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
N-Nitroso-Di-n-propylamine	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
N-nitrosodiphenylamine	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Naphthalene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Nitrobenzene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Pentachlorophenol	250000	DJ	670000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Phenanthrene	7500	DJ	280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Phenol	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
Pyrene	ND		280000	UG/KG	EPA SVOA	09/26/2003 07:35	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	1400	DJ	2000	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		20000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		41000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		20000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	11000	DJ	20000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		20000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		20000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		20000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	1400	DJP	2000	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	1800	DJP	2000	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		1000	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	1100	DJP	10000	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		100000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-BLDGD-FELT-0 RE
Lab Sample ID: A3870904RI
Date Collected: 09/11/2003
Time Collected: 10:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,1,2-Trichloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,1-Dichloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,1-Dichloroethene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2,4-Trichlorobenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2-Dibromoethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2-Dichloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,2-Dichloropropane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,3-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
1,4-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
2-Butanone	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
2-Hexanone	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
4-Methyl-2-pentanone	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Acetone	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Benzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Bromodichloromethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Bromoform	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Bromomethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Carbon Disulfide	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Carbon Tetrachloride	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Chlorobenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Chloroethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Chloroform	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Chloromethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
cis-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
cis-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Cyclohexane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Dibromochloromethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Dichlorodifluoromethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Ethylbenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Isopropylbenzene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Methyl acetate	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Methyl tert butyl ether	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Methylcyclohexane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Methylene chloride	14	B	10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Styrene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Tetrachloroethene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Toluene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Total Xylenes	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
trans-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
trans-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Trichloroethene	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Trichlorofluoromethane	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP
Vinyl chloride	ND		10	UG/KG	EPA VOA	09/17/2003 13:10	DGP

Sample ID: FS-EMC01-SED-0
Lab Sample ID: A3870901
Date Collected: 09/11/2003
Time Collected: 14:15

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,1,2,2-Tetrachloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,1,2-Trichloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,1-Dichloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,1-Dichloroethene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2,4-Trichlorobenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2-Dibromo-3-chloropropane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2-Dibromoethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2-Dichlorobenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2-Dichloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,2-Dichloropropane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,3-Dichlorobenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
1,4-Dichlorobenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
2-Butanone	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
2-Hexanone	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
4-Methyl-2-pentanone	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Acetone	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Benzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Bromodichloromethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Bromoform	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Bromomethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Carbon Disulfide	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Carbon Tetrachloride	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Chlorobenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Chloroethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Chloroform	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Chloromethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
cis-1,2-Dichloroethene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
cis-1,3-Dichloropropene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Cyclohexane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Dibromochloromethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Dichlorodifluoromethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Ethylbenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Isopropylbenzene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Methyl acetate	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Methyl tert butyl ether	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Methylcyclohexane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Methylene chloride	14	BJ	18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Styrene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Tetrachloroethene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Toluene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Total Xylenes	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
trans-1,2-Dichloroethene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
trans-1,3-Dichloropropene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Trichloroethene	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Trichlorofluoromethane	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP
Vinyl chloride	ND		18	UG/KG	EPA VOA	09/15/2003 18:00	DGP

Sample ID: FS-EMC01-SED-0
Lab Sample ID: A3870901
Date Collected: 09/11/2003
Time Collected: 14:15

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4,5-Trichlorophenol	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4,6-Trichlorophenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4-Dichlorophenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4-Dimethylphenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4-Dinitrophenol	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,4-Dinitrotoluene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2,6-Dinitrotoluene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Chloronaphthalene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Chlorophenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Methylnaphthalene	32000	J	61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Methylphenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Nitroaniline	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
2-Nitrophenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
3,3'-Dichlorobenzidine	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
3-Nitroaniline	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4,6-Dinitro-2-methylphenol	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Bromophenyl phenyl ether	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Chloro-3-methylphenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Chloroaniline	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Chlorophenyl phenyl ether	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Methylphenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Nitroaniline	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
4-Nitrophenol	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Acenaphthene	140000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Acenaphthylene	3100	J	61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Acetophenone	ND		120000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Anthracene	190000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Atrazine	ND		120000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzaldehyde	ND		120000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzo(a)anthracene	480000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzo(a)pyrene	98000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzo(b)fluoranthene	390000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzo(ghi)perylene	4600	J	61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Benzo(k)fluoranthene	260000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Biphenyl	ND		120000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Bis(2-chloroethoxy) methane	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Bis(2-chloroethyl) ether	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Bis(2-ethylhexyl) phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Butyl benzyl phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Caprolactam	ND		120000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Carbazole	160000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Chrysene	450000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Di-n-butyl phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Di-n-octyl phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Dibenzo(a,h)anthracene	100000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Dibenzofuran	140000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Diethyl phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Dimethyl phthalate	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM

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Lab Sample ID: A3870901
Date Collected: 09/11/2003
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Date Received: 09/12/2003
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Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1000000	E	61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Fluorene	160000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Hexachlorobenzene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Hexachlorobutadiene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Hexachlorocyclopentadiene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Hexachloroethane	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Indeno(1,2,3-cd)pyrene	100000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Isophorone	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
N-Nitroso-Di-n-propylamine	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
N-nitrosodiphenylamine	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Naphthalene	120000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Nitrobenzene	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Pentachlorophenol	ND		150000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Phenanthrene	1000000	E	61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Phenol	ND		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
Pyrene	430000		61000	UG/KG	EPA SVOA	09/26/2003 08:10	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		610	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		610	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	200	JP	610	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		310	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		310	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		12000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		310	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	140	JP	610	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		610	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		610	UG/KG	EPA P/PCB	09/25/2003	
Endrin	260	JP	610	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	150	JP	610	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	1600	P	610	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		310	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		310	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	1600	JP	3100	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		31000	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	7620	E	3.5	MG/KG	CLP-M	09/18/2003 03:51	

Sample ID: FS-EMC01-SED-0
Lab Sample ID: A3870901
Date Collected: 09/11/2003
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Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	2.1	BN	0.79	MG/KG	CLP-M	09/18/2003 03:51	
Arsenic - Total	5.0		0.63	MG/KG	CLP-M	09/18/2003 03:51	
Barium - Total	81.7	E	0.04	MG/KG	CLP-M	09/18/2003 03:51	
Beryllium - Total	0.41	B	0.02	MG/KG	CLP-M	09/18/2003 03:51	
Cadmium - Total	ND	N	0.06	MG/KG	CLP-M	09/18/2003 03:51	
Calcium - Total	29300	E	2.8	MG/KG	CLP-M	09/18/2003 03:51	
Chromium - Total	17.7	E	0.17	MG/KG	CLP-M	09/18/2003 03:51	
Cobalt - Total	6.9	BE	0.13	MG/KG	CLP-M	09/18/2003 03:51	
Copper - Total	134	EN*	0.33	MG/KG	CLP-M	09/19/2003 01:00	
Iron - Total	17100	E	3.1	MG/KG	CLP-M	09/19/2003 01:00	
Lead - Total	199	N*	0.31	MG/KG	CLP-M	09/18/2003 03:51	
Magnesium - Total	7050	E	1.9	MG/KG	CLP-M	09/18/2003 03:51	
Manganese - Total	335	E	0.04	MG/KG	CLP-M	09/18/2003 03:51	
Mercury - Total	0.459		0.011	MG/KG	CLP-M	09/26/2003 13:29	
Nickel - Total	19.1	E	0.17	MG/KG	CLP-M	09/18/2003 03:51	
Potassium - Total	1260		10.0	MG/KG	CLP-M	09/18/2003 03:51	
Selenium - Total	1.5	B	0.54	MG/KG	CLP-M	09/18/2003 03:51	
Silver - Total	0.39	B	0.13	MG/KG	CLP-M	09/18/2003 03:51	
Sodium - Total	79.9	B	48.0	MG/KG	CLP-M	09/18/2003 03:51	
Thallium - Total	3.3		0.73	MG/KG	CLP-M	09/18/2003 03:51	
Vanadium - Total	14.5	E	0.15	MG/KG	CLP-M	09/18/2003 03:51	
Zinc - Total	359	E	0.33	MG/KG	CLP-M	09/19/2003 01:00	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.8	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.39		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-EMC01-SED-0 DL
Lab Sample ID: A3870901DL
Date Collected: 09/11/2003
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Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4,5-Trichlorophenol	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4,6-Trichlorophenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4-Dichlorophenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4-Dimethylphenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4-Dinitrophenol	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,4-Dinitrotoluene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2,6-Dinitrotoluene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Chloronaphthalene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Chlorophenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Methylnaphthalene	22000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Methylphenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Nitroaniline	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
2-Nitrophenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
3,3'-Dichlorobenzidine	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
3-Nitroaniline	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4,6-Dinitro-2-methylphenol	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Bromophenyl phenyl ether	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Chloro-3-methylphenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Chloroaniline	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Chlorophenyl phenyl ether	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Methylphenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Nitroaniline	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
4-Nitrophenol	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Acenaphthene	120000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Acenaphthylene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Acetophenone	ND		610000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Anthracene	200000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Atrazine	ND		610000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzaldehyde	ND		610000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzo(a)anthracene	510000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzo(a)pyrene	92000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzo(b)fluoranthene	510000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzo(ghi)perylene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Benzo(k)fluoranthene	320000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Biphenyl	ND		610000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Bis(2-chloroethoxy) methane	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Bis(2-chloroethyl) ether	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Bis(2-ethylhexyl) phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Butyl benzyl phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Caprolactam	ND		610000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Carbazole	140000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Chrysene	480000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Di-n-butyl phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Di-n-octyl phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Dibenzo(a,h)anthracene	59000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Dibenzofuran	110000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Diethyl phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Dimethyl phthalate	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM

Sample ID: FS-EMC01-SED-0 DL
Lab Sample ID: A3870901DL
Date Collected: 09/11/2003
Time Collected: 14:15

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1500000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Fluorene	140000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Hexachlorobenzene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Hexachlorobutadiene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Hexachlorocyclopentadiene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Hexachloroethane	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Indeno(1,2,3-cd)pyrene	54000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Isophorone	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
N-Nitroso-Di-n-propylamine	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
N-nitrosodiphenylamine	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Naphthalene	100000	DJ	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Nitrobenzene	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Pentachlorophenol	ND		740000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Phenanthrene	1400000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Phenol	ND		310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
Pyrene	420000	D	310000	UG/KG	EPA SVOA	09/26/2003 12:45	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		120000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		61000	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Endrin	440	DJ	6100	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		6100	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	1500	DJP	6100	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		3100	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		31000	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		310000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-MICRO01-D610-S-0
Lab Sample ID: A3863702
Date Collected: 09/09/2003
Time Collected: 09:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4,5-Trichlorophenol	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4-Dinitrophenol	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Methylnaphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
3-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4,6-Dinitro-2-methylphenol	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
4-Nitrophenol	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Acenaphthene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Acetophenone	ND		740	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Anthracene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Atrazine	ND		740	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzaldehyde	ND		740	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzo(a)anthracene	22	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzo(a)pyrene	19	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzo(b)fluoranthene	14	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzo(ghi)perylene	11	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Benzo(k)fluoranthene	16	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Biphenyl	ND		740	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Bis(2-ethylhexyl) phthalate	40	BJ	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Caprolactam	ND		740	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Carbazole	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Chrysene	20	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Di-n-butyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Di-n-octyl phthalate	12	BJ	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Dibenzo(a,h)anthracene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Dibenzofuran	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM

Sample ID: FS-MICR001-D610-S-0
Lab Sample ID: A3863702
Date Collected: 09/09/2003
Time Collected: 09:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	40	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Fluorene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Indeno(1,2,3-cd)pyrene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Naphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Pentachlorophenol	ND		900	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Phenanthrene	36	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
Pyrene	46	J	370	UG/KG	EPA SVOA	09/19/2003 18:58	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
4,4'-DDE	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
4,4'-DDT	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1221	ND		76	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/24/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	09/24/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/24/2003	
Metals Analysis							
Aluminum - Total	6160	E	2.1	MG/KG	CLP-M	09/18/2003 01:55	

Sample ID: FS-MICR001-D610-S-0
Lab Sample ID: A3863702
Date Collected: 09/09/2003
Time Collected: 09:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	3.1	BN	0.46	MG/KG	CLP-M	09/18/2003 01:55	
Arsenic - Total	10.9		0.37	MG/KG	CLP-M	09/18/2003 01:55	
Barium - Total	80.0	E	0.02	MG/KG	CLP-M	09/18/2003 01:55	
Beryllium - Total	0.49	B	0.01	MG/KG	CLP-M	09/18/2003 01:55	
Cadmium - Total	ND	N	0.03	MG/KG	CLP-M	09/18/2003 01:55	
Calcium - Total	15000	E	1.6	MG/KG	CLP-M	09/18/2003 01:55	
Chromium - Total	11.2	E	0.10	MG/KG	CLP-M	09/18/2003 01:55	
Cobalt - Total	8.8	E	0.08	MG/KG	CLP-M	09/18/2003 01:55	
Copper - Total	45.2	EN*	0.19	MG/KG	CLP-M	09/18/2003 01:55	
Iron - Total	35700	E	1.8	MG/KG	CLP-M	09/18/2003 01:55	
Lead - Total	90.5	N*	0.18	MG/KG	CLP-M	09/18/2003 01:55	
Magnesium - Total	4390	E	1.1	MG/KG	CLP-M	09/18/2003 01:55	
Manganese - Total	2200	E	0.02	MG/KG	CLP-M	09/18/2003 01:55	
Mercury - Total	0.030	B*	0.017	MG/KG	CLP-M	09/11/2003 17:22	JMB
Nickel - Total	16.8	E	0.10	MG/KG	CLP-M	09/18/2003 01:55	
Potassium - Total	1220		5.9	MG/KG	CLP-M	09/18/2003 01:55	
Selenium - Total	2.9	B	0.32	MG/KG	CLP-M	09/18/2003 01:55	
Silver - Total	0.28	B	0.08	MG/KG	CLP-M	09/18/2003 01:55	
Sodium - Total	122	B	28.2	MG/KG	CLP-M	09/18/2003 01:55	
Thallium - Total	7.6		0.43	MG/KG	CLP-M	09/18/2003 01:55	
Vanadium - Total	19.4	E	0.09	MG/KG	CLP-M	09/18/2003 01:55	
Zinc - Total	259	E	0.19	MG/KG	CLP-M	09/18/2003 01:55	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.43		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-MICR001-D68-S-0
Lab Sample ID: A3863701
Date Collected: 09/09/2003
Time Collected: 09:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,1,2,2-Tetrachloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,1,2-Trichloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,1-Dichloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,1-Dichloroethene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2,4-Trichlorobenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2-Dibromo-3-chloropropane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2-Dibromoethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2-Dichloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,2-Dichloropropane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,3-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
1,4-Dichlorobenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
2-Butanone	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
2-Hexanone	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
4-Methyl-2-pentanone	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Acetone	22		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Benzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Bromodichloromethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Bromoform	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Bromomethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Carbon Disulfide	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Carbon Tetrachloride	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Chlorobenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Chloroethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Chloroform	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Chloromethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
cis-1,2-Dichloroethene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
cis-1,3-Dichloropropene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Cyclohexane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Dibromochloromethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Dichlorodifluoromethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Ethylbenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Isopropylbenzene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Methyl acetate	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Methyl tert butyl ether	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Methylcyclohexane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Methylene chloride	15		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Styrene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Tetrachloroethene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Toluene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Total Xylenes	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
trans-1,2-Dichloroethene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
trans-1,3-Dichloropropene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Trichloroethene	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Trichlorofluoromethane	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP
Vinyl chloride	ND		15	UG/KG	EPA VOA	09/11/2003 22:31	DGP

Sample ID: FS-SP02-D24-S-0
Lab Sample ID: A3863703
Date Collected: 09/09/2003
Time Collected: 08:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,1,2,2-Tetrachloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,1,2-Trichloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,1-Dichloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,1-Dichloroethene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2,4-Trichlorobenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2-Dibromo-3-chloropropane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2-Dibromoethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2-Dichlorobenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2-Dichloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,2-Dichloropropane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,3-Dichlorobenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
1,4-Dichlorobenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
2-Butanone	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
2-Hexanone	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
4-Methyl-2-pentanone	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Acetone	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Benzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Bromodichloromethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Bromoform	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Bromomethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Carbon Disulfide	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Carbon Tetrachloride	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Chlorobenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Chloroethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Chloroform	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Chloromethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
cis-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
cis-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Cyclohexane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Dibromochloromethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Dichlorodifluoromethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Ethylbenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Isopropylbenzene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Methyl acetate	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Methyl tert butyl ether	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Methylcyclohexane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Methylene chloride	14		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Styrene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Tetrachloroethene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Toluene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Total Xylenes	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
trans-1,2-Dichloroethene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
trans-1,3-Dichloropropene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Trichloroethene	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Trichlorofluoromethane	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP
Vinyl chloride	ND		13	UG/KG	EPA VOA	09/11/2003 23:03	DGP

Sample ID: FS-SP02-D26-S-0
Lab Sample ID: A3863704
Date Collected: 09/09/2003
Time Collected: 08:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4,5-Trichlorophenol	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4,6-Trichlorophenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4-Dichlorophenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4-Dimethylphenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4-Dinitrophenol	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,4-Dinitrotoluene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2,6-Dinitrotoluene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Chloronaphthalene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Chlorophenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Methylnaphthalene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Methylphenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Nitroaniline	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
2-Nitrophenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
3,3'-Dichlorobenzidine	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
3-Nitroaniline	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4,6-Dinitro-2-methylphenol	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Bromophenyl phenyl ether	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Chloro-3-methylphenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Chloroaniline	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Chlorophenyl phenyl ether	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Methylphenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Nitroaniline	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
4-Nitrophenol	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Acenaphthene	200	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Acenaphthylene	170	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Acetophenone	ND		4600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Anthracene	900	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Atrazine	ND		4600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzaldehyde	ND		4600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzo(a)anthracene	3200		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzo(a)pyrene	2600		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzo(b)fluoranthene	2900		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzo(ghi)perylene	1000	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Benzo(k)fluoranthene	2300		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Biphenyl	ND		4600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Bis(2-chloroethoxy) methane	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Bis(2-chloroethyl) ether	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Bis(2-ethylhexyl) phthalate	330	BJ	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Butyl benzyl phthalate	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Caprolactam	ND		4600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Carbazole	160	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Chrysene	3100		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Di-n-butyl phthalate	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Di-n-octyl phthalate	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Dibenzo(a,h)anthracene	610	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Dibenzofuran	120	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Diethyl phthalate	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Dimethyl phthalate	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM

Sample ID: FS-SP02-D26-S-0
Lab Sample ID: A3863704
Date Collected: 09/09/2003
Time Collected: 08:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	6900		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Fluorene	470	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Hexachlorobenzene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Hexachlorobutadiene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Hexachlorocyclopentadiene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Hexachloroethane	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Indeno(1,2,3-cd)pyrene	1200	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Isophorone	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
N-Nitroso-Di-n-propylamine	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
N-nitrosodiphenylamine	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Naphthalene	59	J	2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Nitrobenzene	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Pentachlorophenol	ND		5600	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Phenanthrene	3600		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Phenol	ND		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
Pyrene	6500		2300	UG/KG	EPA SVOA	09/19/2003 19:32	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		48	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		48	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	25	JP	48	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		25	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		480	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		970	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		480	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		480	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		480	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		480	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		480	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		48	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		48	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		48	UG/KG	EPA P/PCB	09/25/2003	
Endrin	18	JP	48	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	18	JP	48	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	34	JP	48	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		25	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		25	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	27	JP	240	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		2500	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	3910	E	2.7	MG/KG	CLP-M	09/18/2003 01:59	

Sample ID: FS-SP02-D26-S-0
Lab Sample ID: A3863704
Date Collected: 09/09/2003
Time Collected: 08:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	6.8	BN	0.61	MG/KG	CLP-M	09/18/2003 01:59	
Arsenic - Total	7.5		0.49	MG/KG	CLP-M	09/18/2003 01:59	
Barium - Total	67.4	E	0.03	MG/KG	CLP-M	09/18/2003 01:59	
Beryllium - Total	0.37	B	0.01	MG/KG	CLP-M	09/18/2003 01:59	
Cadmium - Total	ND	N	0.04	MG/KG	CLP-M	09/18/2003 01:59	
Calcium - Total	66500	E	10.6	MG/KG	CLP-M	09/21/2003 11:29	
Chromium - Total	12.3	E	0.13	MG/KG	CLP-M	09/18/2003 01:59	
Cobalt - Total	4.2	BE	0.10	MG/KG	CLP-M	09/18/2003 01:59	
Copper - Total	406	EN*	0.25	MG/KG	CLP-M	09/18/2003 01:59	
Iron - Total	15200	E	2.4	MG/KG	CLP-M	09/18/2003 01:59	
Lead - Total	914	N*	0.24	MG/KG	CLP-M	09/18/2003 01:59	
Magnesium - Total	9210	E	1.5	MG/KG	CLP-M	09/18/2003 01:59	
Manganese - Total	320	E	0.03	MG/KG	CLP-M	09/18/2003 01:59	
Mercury - Total	0.629	*	0.019	MG/KG	CLP-M	09/11/2003 17:23	JMB
Nickel - Total	16.4	E	0.13	MG/KG	CLP-M	09/18/2003 01:59	
Potassium - Total	731	B	7.7	MG/KG	CLP-M	09/18/2003 01:59	
Selenium - Total	1.4	B	0.41	MG/KG	CLP-M	09/18/2003 01:59	
Silver - Total	0.48	B	0.10	MG/KG	CLP-M	09/18/2003 01:59	
Sodium - Total	144	B	37.0	MG/KG	CLP-M	09/18/2003 01:59	
Thallium - Total	3.3		0.56	MG/KG	CLP-M	09/18/2003 01:59	
Vanadium - Total	11.7	E	0.12	MG/KG	CLP-M	09/18/2003 01:59	
Zinc - Total	234	E	0.25	MG/KG	CLP-M	09/18/2003 01:59	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.4	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.31		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP03-D04-S-0
Lab Sample ID: A3856601
Date Collected: 09/08/2003
Time Collected: 13:15

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Methylene chloride	20		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/11/2003 20:57	DGP

Sample ID: FS-SP03-D04-S-0
Lab Sample ID: A3856601
Date Collected: 09/08/2003
Time Collected: 13:15

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4,5-Trichlorophenol	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4-Dinitrophenol	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Methylnaphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
3-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4,6-Dinitro-2-methylphenol	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
4-Nitrophenol	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Acenaphthene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Acetophenone	ND		740	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Anthracene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Atrazine	ND		740	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzaldehyde	ND		740	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzo(a)anthracene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzo(a)pyrene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzo(b)fluoranthene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzo(ghi)perylene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Benzo(k)fluoranthene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Biphenyl	ND		740	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Bis(2-ethylhexyl) phthalate	44	J	370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Caprolactam	ND		740	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Carbazole	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Chrysene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Di-n-butyl phthalate	10	J	370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Di-n-octyl phthalate	15	BJ	370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Dibenzo(a,h)anthracene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Dibenzofuran	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM

Sample ID: FS-SP03-D04-S-0
Lab Sample ID: A3856601
Date Collected: 09/08/2003
Time Collected: 13:15

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Fluorene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Indeno(1,2,3-cd)pyrene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Naphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Pentachlorophenol	ND		890	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Phenanthrene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
Pyrene	ND		370	UG/KG	EPA SVOA	09/19/2003 15:31	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	19	JP	38	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDE	ND		38	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDT	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/19/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/19/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1016	ND		380	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1221	ND		760	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1232	ND		380	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1242	ND		380	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1248	ND		380	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1254	ND		380	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1260	ND		380	UG/KG	EPA P/PCB	09/19/2003	
beta-BHC	ND		19	UG/KG	EPA P/PCB	09/19/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Dieldrin	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan II	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan Sulfate	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Endrin	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Endrin aldehyde	ND		38	UG/KG	EPA P/PCB	09/19/2003	
Endrin ketone	ND		38	UG/KG	EPA P/PCB	09/19/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/19/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Methoxychlor	ND		190	UG/KG	EPA P/PCB	09/19/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/19/2003	
Metals Analysis							
Aluminum - Total	3730		2.2	MG/KG	CLP-M	09/18/2003 00:33	

Sample ID: FS-SP03-D04-S-0
Lab Sample ID: A3856601
Date Collected: 09/08/2003
Time Collected: 13:15

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND	N	0.48	MG/KG	CLP-M	09/18/2003 00:33	
Arsenic - Total	1.8	*	0.39	MG/KG	CLP-M	09/18/2003 00:33	
Barium - Total	22.8	BN*	0.02	MG/KG	CLP-M	09/18/2003 00:33	
Beryllium - Total	0.22	B	0.01	MG/KG	CLP-M	09/18/2003 00:33	
Cadmium - Total	ND	*	0.04	MG/KG	CLP-M	09/18/2003 00:33	
Calcium - Total	6560	*	1.7	MG/KG	CLP-M	09/18/2003 00:33	
Chromium - Total	4.9		0.11	MG/KG	CLP-M	09/18/2003 00:33	
Cobalt - Total	3.8	B	0.08	MG/KG	CLP-M	09/18/2003 00:33	
Copper - Total	13.5	N*	0.20	MG/KG	CLP-M	09/18/2003 00:33	
Iron - Total	7560	*	1.9	MG/KG	CLP-M	09/18/2003 00:33	
Lead - Total	2.7	*	0.19	MG/KG	CLP-M	09/18/2003 00:33	
Magnesium - Total	1600	*	1.2	MG/KG	CLP-M	09/18/2003 00:33	
Manganese - Total	503	N*	0.02	MG/KG	CLP-M	09/18/2003 00:33	
Mercury - Total	ND	*	0.017	MG/KG	CLP-M	09/11/2003 17:13	JMB
Nickel - Total	6.1		0.11	MG/KG	CLP-M	09/18/2003 00:33	
Potassium - Total	631		6.1	MG/KG	CLP-M	09/18/2003 00:33	
Selenium - Total	0.67	BN	0.33	MG/KG	CLP-M	09/18/2003 00:33	
Silver - Total	0.11	B	0.08	MG/KG	CLP-M	09/18/2003 00:33	
Sodium - Total	56.1	B	29.4	MG/KG	CLP-M	09/18/2003 00:33	
Thallium - Total	2.2	N*	0.45	MG/KG	CLP-M	09/18/2003 00:33	
Vanadium - Total	9.3		0.09	MG/KG	CLP-M	09/18/2003 00:33	
Zinc - Total	16.7	N	0.20	MG/KG	CLP-M	09/18/2003 00:33	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/11/2003 14:44	JMS
Leachable pH	7.81		0	S.U.	9045	09/09/2003 15:00	MJ

Sample ID: FS-SP06-D24-S-0
Lab Sample ID: A3865401
Date Collected: 09/10/2003
Time Collected: 13:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Methylene chloride	11		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/12/2003 01:09	DGP

Sample ID: FS-SP06-D24-S-0
Lab Sample ID: A3865401
Date Collected: 09/10/2003
Time Collected: 13:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4,5-Trichlorophenol	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4-Dinitrophenol	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Methylnaphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
3-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4,6-Dinitro-2-methylphenol	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Nitroaniline	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
4-Nitrophenol	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Acenaphthene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Acetophenone	ND		740	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Atrazine	ND		740	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzaldehyde	ND		740	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzo(a)anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzo(a)pyrene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzo(b)fluoranthene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzo(ghi)perylene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Benzo(k)fluoranthene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Biphenyl	ND		740	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Bis(2-ethylhexyl) phthalate	52	BJ	370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Caprolactam	ND		740	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Carbazole	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Chrysene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Di-n-butyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Di-n-octyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Dibenzo(a,h)anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Dibenzofuran	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM

Sample ID: FS-SP06-D24-S-0
Lab Sample ID: A3865401
Date Collected: 09/10/2003
Time Collected: 13:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	15	J	370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Fluorene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Indeno(1,2,3-cd)pyrene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Naphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Pentachlorophenol	ND		890	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Phenanthrene	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
Pyrene	13	J	370	UG/KG	EPA SVOA	09/25/2003 11:12	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		75	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	4850	E	2.1	MG/KG	CLP-M	09/18/2003 02:53	

Sample ID: FS-SP06-D24-S-0
Lab Sample ID: A3865401
Date Collected: 09/10/2003
Time Collected: 13:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	ND	N	0.47	MG/KG	CLP-M	09/18/2003 02:53	
Arsenic - Total	3.8		0.38	MG/KG	CLP-M	09/18/2003 02:53	
Barium - Total	26.5	E	0.02	MG/KG	CLP-M	09/18/2003 02:53	
Beryllium - Total	0.27	B	0.01	MG/KG	CLP-M	09/18/2003 02:53	
Cadmium - Total	ND	N	0.03	MG/KG	CLP-M	09/18/2003 02:53	
Calcium - Total	95500	E	8.3	MG/KG	CLP-M	09/21/2003 11:48	
Chromium - Total	5.8	E	0.10	MG/KG	CLP-M	09/18/2003 02:53	
Cobalt - Total	4.6	BE	0.08	MG/KG	CLP-M	09/18/2003 02:53	
Copper - Total	23.1	EN*	0.20	MG/KG	CLP-M	09/18/2003 02:53	
Iron - Total	8620	E	1.8	MG/KG	CLP-M	09/18/2003 02:53	
Lead - Total	5.4	N*	0.18	MG/KG	CLP-M	09/18/2003 02:53	
Magnesium - Total	6710	E	1.2	MG/KG	CLP-M	09/18/2003 02:53	
Manganese - Total	620	E	0.02	MG/KG	CLP-M	09/18/2003 02:53	
Mercury - Total	ND	*	0.015	MG/KG	CLP-M	09/11/2003 17:35	JMB
Nickel - Total	6.7	E	0.10	MG/KG	CLP-M	09/18/2003 02:53	
Potassium - Total	1360		6.0	MG/KG	CLP-M	09/18/2003 02:53	
Selenium - Total	0.78	B	0.32	MG/KG	CLP-M	09/18/2003 02:53	
Silver - Total	ND		0.08	MG/KG	CLP-M	09/18/2003 02:53	
Sodium - Total	100	B	28.7	MG/KG	CLP-M	09/18/2003 02:53	
Thallium - Total	1.9		0.44	MG/KG	CLP-M	09/18/2003 02:53	
Vanadium - Total	10.2	E	0.09	MG/KG	CLP-M	09/18/2003 02:53	
Zinc - Total	23.7	E	0.20	MG/KG	CLP-M	09/18/2003 02:53	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	8.16		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP07-D24-S-0
Lab Sample ID: A3865402
Date Collected: 09/10/2003
Time Collected: 12:50

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,1,2,2-Tetrachloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,1,2-Trichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,1-Dichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,1-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2,4-Trichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2-Dibromo-3-chloropropane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2-Dibromoethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2-Dichloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,2-Dichloropropane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,3-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
1,4-Dichlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
2-Butanone	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
2-Hexanone	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
4-Methyl-2-pentanone	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Acetone	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Benzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Bromodichloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Bromoform	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Bromomethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Carbon Disulfide	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Carbon Tetrachloride	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Chlorobenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Chloroethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Chloroform	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Chloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
cis-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
cis-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Cyclohexane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Dibromochloromethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Dichlorodifluoromethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Ethylbenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Isopropylbenzene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Methyl acetate	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Methyl tert butyl ether	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Methylcyclohexane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Methylene chloride	15	B	12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Styrene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Tetrachloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Toluene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Total Xylenes	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
trans-1,2-Dichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
trans-1,3-Dichloropropene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Trichloroethene	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Trichlorofluoromethane	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP
Vinyl chloride	ND		12	UG/KG	EPA VOA	09/15/2003 15:00	DGP

Sample ID: FS-SP07-D24-S-0
Lab Sample ID: A3865402
Date Collected: 09/10/2003
Time Collected: 12:50

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4,5-Trichlorophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4,6-Trichlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4-Dichlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4-Dimethylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4-Dinitrophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,4-Dinitrotoluene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2,6-Dinitrotoluene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Chloronaphthalene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Chlorophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Methylnaphthalene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
2-Nitrophenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
3,3'-Dichlorobenzidine	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
3-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4,6-Dinitro-2-methylphenol	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Bromophenyl phenyl ether	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Chloro-3-methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Chloroaniline	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Chlorophenyl phenyl ether	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Methylphenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Nitroaniline	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
4-Nitrophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Acenaphthene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Acenaphthylene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Acetophenone	ND		760	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Anthracene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Atrazine	ND		760	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzaldehyde	ND		760	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzo(a)anthracene	44	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzo(a)pyrene	27	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzo(b)fluoranthene	25	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzo(ghi)perylene	14	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Benzo(k)fluoranthene	24	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Biphenyl	ND		760	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Bis(2-chloroethoxy) methane	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Bis(2-chloroethyl) ether	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Bis(2-ethylhexyl) phthalate	77	BJ	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Butyl benzyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Caprolactam	ND		760	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Carbazole	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Chrysene	34	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Di-n-butyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Di-n-octyl phthalate	31	BJ	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Dibenzo(a,h)anthracene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Dibenzofuran	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Diethyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Dimethyl phthalate	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM

Sample ID: FS-SP07-D24-S-0
Lab Sample ID: A3865402
Date Collected: 09/10/2003
Time Collected: 12:50

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	72	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Fluorene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Hexachlorobenzene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Hexachlorobutadiene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Hexachlorocyclopentadiene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Hexachloroethane	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Indeno(1,2,3-cd)pyrene	13	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Isophorone	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
N-Nitroso-Di-n-propylamine	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
N-nitrosodiphenylamine	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Naphthalene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Nitrobenzene	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Pentachlorophenol	ND		920	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Phenanthrene	33	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Phenol	ND		380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
Pyrene	60	J	380	UG/KG	EPA SVOA	09/25/2003 11:47	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		78	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	ND		38	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		3.8	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		2.0	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	9220	E	2.1	MG/KG	CLP-M	09/18/2003 03:07	

Sample ID: FS-SP07-D24-S-0
Lab Sample ID: A3865402
Date Collected: 09/10/2003
Time Collected: 12:50

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	0.92	BN	0.48	MG/KG	CLP-M	09/18/2003 03:07	
Arsenic - Total	8.6		0.39	MG/KG	CLP-M	09/18/2003 03:07	
Barium - Total	87.7	E	0.02	MG/KG	CLP-M	09/18/2003 03:07	
Beryllium - Total	0.51	B	0.01	MG/KG	CLP-M	09/18/2003 03:07	
Cadmium - Total	ND	N	0.04	MG/KG	CLP-M	09/18/2003 03:07	
Calcium - Total	36000	E	1.7	MG/KG	CLP-M	09/18/2003 03:07	
Chromium - Total	9.3	E	0.11	MG/KG	CLP-M	09/18/2003 03:07	
Cobalt - Total	8.9	E	0.08	MG/KG	CLP-M	09/18/2003 03:07	
Copper - Total	30.4	EN*	0.20	MG/KG	CLP-M	09/18/2003 03:07	
Iron - Total	17500	E	1.9	MG/KG	CLP-M	09/18/2003 03:07	
Lead - Total	25.7	N*	0.19	MG/KG	CLP-M	09/18/2003 03:07	
Magnesium - Total	3890	E	1.2	MG/KG	CLP-M	09/18/2003 03:07	
Manganese - Total	1980	E	0.02	MG/KG	CLP-M	09/18/2003 03:07	
Mercury - Total	0.059	*	0.017	MG/KG	CLP-M	09/11/2003 17:36	JMB
Nickel - Total	12.8	E	0.11	MG/KG	CLP-M	09/18/2003 03:07	
Potassium - Total	950		6.1	MG/KG	CLP-M	09/18/2003 03:07	
Selenium - Total	1.7	B	0.33	MG/KG	CLP-M	09/18/2003 03:07	
Silver - Total	0.14	B	0.08	MG/KG	CLP-M	09/18/2003 03:07	
Sodium - Total	126	B	29.2	MG/KG	CLP-M	09/18/2003 03:07	
Thallium - Total	3.9		0.44	MG/KG	CLP-M	09/18/2003 03:07	
Vanadium - Total	15.3	E	0.09	MG/KG	CLP-M	09/18/2003 03:07	
Zinc - Total	69.6	E	0.20	MG/KG	CLP-M	09/18/2003 03:07	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.80		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP09-D14-S-0
Lab Sample ID: A3865403
Date Collected: 09/10/2003
Time Collected: 10:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Methylene chloride	9	J	11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/12/2003 02:12	DGP

Sample ID: FS-SP09-D14-S-0
Lab Sample ID: A3865403
Date Collected: 09/10/2003
Time Collected: 10:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4,5-Trichlorophenol	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4-Dinitrophenol	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Methylnaphthalene	170	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
3-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4,6-Dinitro-2-methylphenol	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
4-Nitrophenol	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Acenaphthene	86	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Acenaphthylene	150	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Acetophenone	ND		750	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Anthracene	380		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Atrazine	ND		750	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzaldehyde	ND		750	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzo(a)anthracene	1300		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzo(a)pyrene	1100		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzo(b)fluoranthene	1700		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzo(ghi)perylene	400		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Benzo(k)fluoranthene	1500		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Biphenyl	ND		750	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Bis(2-ethylhexyl) phthalate	84	BJ	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Caprolactam	ND		750	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Carbazole	140	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Chrysene	1200		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Di-n-butyl phthalate	10	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Di-n-octyl phthalate	25	BJ	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Dibenzo(a,h)anthracene	210	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Dibenzofuran	120	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM

Sample ID: FS-SP09-D14-S-0
Lab Sample ID: A3865403
Date Collected: 09/10/2003
Time Collected: 10:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2600		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Fluorene	140	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Indeno(1,2,3-cd)pyrene	450		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Naphthalene	140	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Pentachlorophenol	ND		910	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Phenanthrene	1700		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Phenol	34	J	370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
Pyrene	1800		370	UG/KG	EPA SVOA	09/25/2003 12:55	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		15	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	4.2	JP	15	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	7.6	J	15	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		300	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		150	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	5.8	JP	15	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		7.7	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		77	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		770	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	6790	E	2.1	MG/KG	CLP-M	09/18/2003 03:37	

Sample ID: FS-SP09-D14-S-0
Lab Sample ID: A3865403
Date Collected: 09/10/2003
Time Collected: 10:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	5.9	BN	0.48	MG/KG	CLP-M	09/18/2003 03:37	
Arsenic - Total	14.4		0.38	MG/KG	CLP-M	09/18/2003 03:37	
Barium - Total	564	E	0.02	MG/KG	CLP-M	09/18/2003 03:37	
Beryllium - Total	0.58		0.01	MG/KG	CLP-M	09/18/2003 03:37	
Cadmium - Total	4.6	N	0.03	MG/KG	CLP-M	09/18/2003 03:37	
Calcium - Total	76700	E	16.8	MG/KG	CLP-M	09/20/2003 04:57	
Chromium - Total	41.6	E	0.10	MG/KG	CLP-M	09/18/2003 03:37	
Cobalt - Total	9.5	E	0.08	MG/KG	CLP-M	09/18/2003 03:37	
Copper - Total	1610	EN*	0.20	MG/KG	CLP-M	09/19/2003 00:34	
Iron - Total	42500	E	1.9	MG/KG	CLP-M	09/19/2003 00:34	
Lead - Total	3230	N*	1.9	MG/KG	CLP-M	09/20/2003 04:57	
Magnesium - Total	5470	E	1.2	MG/KG	CLP-M	09/18/2003 03:37	
Manganese - Total	800	E	0.02	MG/KG	CLP-M	09/18/2003 03:37	
Mercury - Total	2.7	*	0.016	MG/KG	CLP-M	09/11/2003 17:37	JMB
Nickel - Total	25.3	E	0.10	MG/KG	CLP-M	09/18/2003 03:37	
Potassium - Total	1600		6.1	MG/KG	CLP-M	09/18/2003 03:37	
Selenium - Total	2.6	B	0.33	MG/KG	CLP-M	09/18/2003 03:37	
Silver - Total	1.4		0.08	MG/KG	CLP-M	09/18/2003 03:37	
Sodium - Total	229	B	29.2	MG/KG	CLP-M	09/18/2003 03:37	
Thallium - Total	8.1		0.44	MG/KG	CLP-M	09/18/2003 03:37	
Vanadium - Total	13.5	E	0.09	MG/KG	CLP-M	09/18/2003 03:37	
Zinc - Total	3340	E	2.0	MG/KG	CLP-M	09/20/2003 04:57	
Wet Chemistry Analysis							
Cyanide - Total	4.1		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.81		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP11-D1012-S-0
Lab Sample ID: A3863707
Date Collected: 09/09/2003
Time Collected: 14:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 8082 - PCBS							
Aroclor 1016	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1221	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1232	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1242	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1248	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1254	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Aroclor 1260	ND		57	UG/KG	8082	09/12/2003 14:18	GFD
Metals Analysis							
Aluminum - Total	6220	E	2.6	MG/KG	CLP-M	09/18/2003 02:09	
Antimony - Total	1.1	BN	0.59	MG/KG	CLP-M	09/18/2003 02:09	
Arsenic - Total	4.3		0.47	MG/KG	CLP-M	09/18/2003 02:09	
Barium - Total	33.5	E	0.03	MG/KG	CLP-M	09/18/2003 02:09	
Beryllium - Total	0.30	B	0.01	MG/KG	CLP-M	09/18/2003 02:09	
Cadmium - Total	ND	N	0.04	MG/KG	CLP-M	09/18/2003 02:09	
Calcium - Total	95700	E	10.3	MG/KG	CLP-M	09/21/2003 11:39	
Chromium - Total	7.9	E	0.13	MG/KG	CLP-M	09/18/2003 02:09	
Cobalt - Total	6.6	BE	0.10	MG/KG	CLP-M	09/18/2003 02:09	
Copper - Total	43.9	EN*	0.24	MG/KG	CLP-M	09/18/2003 02:09	
Iron - Total	13000	E	2.3	MG/KG	CLP-M	09/18/2003 02:09	
Lead - Total	12.1	N*	0.23	MG/KG	CLP-M	09/18/2003 02:09	
Magnesium - Total	5180	E	1.4	MG/KG	CLP-M	09/18/2003 02:09	
Manganese - Total	825	E	0.03	MG/KG	CLP-M	09/18/2003 02:09	
Mercury - Total	ND	*	0.018	MG/KG	CLP-M	09/11/2003 17:26	JMB
Nickel - Total	10.8	E	0.13	MG/KG	CLP-M	09/18/2003 02:09	
Potassium - Total	1180		7.5	MG/KG	CLP-M	09/18/2003 02:09	
Selenium - Total	0.71	B	0.40	MG/KG	CLP-M	09/18/2003 02:09	
Silver - Total	ND		0.10	MG/KG	CLP-M	09/18/2003 02:09	
Sodium - Total	86.3	B	35.9	MG/KG	CLP-M	09/18/2003 02:09	
Thallium - Total	2.8		0.55	MG/KG	CLP-M	09/18/2003 02:09	
Vanadium - Total	12.7	E	0.11	MG/KG	CLP-M	09/18/2003 02:09	
Zinc - Total	34.8	E	0.24	MG/KG	CLP-M	09/18/2003 02:09	

Sample ID: FS-SP11-D410-S-0
Lab Sample ID: A3863706
Date Collected: 09/09/2003
Time Collected: 14:15

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4,5-Trichlorophenol	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4,6-Trichlorophenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4-Dichlorophenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4-Dimethylphenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4-Dinitrophenol	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,4-Dinitrotoluene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2,6-Dinitrotoluene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Chloronaphthalene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Chlorophenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Methylnaphthalene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Methylphenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Nitroaniline	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
2-Nitrophenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
3,3'-Dichlorobenzidine	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
3-Nitroaniline	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4,6-Dinitro-2-methylphenol	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Bromophenyl phenyl ether	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Chloro-3-methylphenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Chloroaniline	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Chlorophenyl phenyl ether	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Methylphenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Nitroaniline	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
4-Nitrophenol	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Acenaphthene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Acenaphthylene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Acetophenone	ND		7600	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Anthracene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Atrazine	ND		7600	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzaldehyde	ND		7600	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzo(a)anthracene	370	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzo(a)pyrene	390	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzo(b)fluoranthene	370	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzo(ghi)perylene	200	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Benzo(k)fluoranthene	410	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Biphenyl	ND		7600	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Bis(2-chloroethoxy) methane	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Bis(2-chloroethyl) ether	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Bis(2-ethylhexyl) phthalate	2700	BJ	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Butyl benzyl phthalate	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Caprolactam	ND		7600	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Carbazole	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Chrysene	460	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Di-n-butyl phthalate	110	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Di-n-octyl phthalate	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Dibenzo(a,h)anthracene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Dibenzofuran	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Diethyl phthalate	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Dimethyl phthalate	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM

Sample ID: FS-SP11-D410-S-0
Lab Sample ID: A3863706
Date Collected: 09/09/2003
Time Collected: 14:15

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	580	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Fluorene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Hexachlorobenzene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Hexachlorobutadiene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Hexachlorocyclopentadiene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Hexachloroethane	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Indeno(1,2,3-cd)pyrene	120	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Isophorone	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
N-Nitroso-Di-n-propylamine	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
N-nitrosodiphenylamine	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Naphthalene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Nitrobenzene	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Pentachlorophenol	ND		9200	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Phenanthrene	450	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Phenol	ND		3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
Pyrene	610	J	3800	UG/KG	EPA SVOA	09/26/2003 12:11	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		38	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		38	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		20	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		20	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		780	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	2800	P	380	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	1800	P	380	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		20	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		38	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		38	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		20	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		20	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Metals Analysis							
Aluminum - Total	4960	E	2.2	MG/KG	CLP-M	09/18/2003 02:04	

Sample ID: FS-SP11-D410-S-0
Lab Sample ID: A3863706
Date Collected: 09/09/2003
Time Collected: 14:15

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	128	N	0.49	MG/KG	CLP-M	09/18/2003 02:04	
Arsenic - Total	63.2		0.39	MG/KG	CLP-M	09/18/2003 02:04	
Barium - Total	1940	E	0.48	MG/KG	CLP-M	09/21/2003 11:34	
Beryllium - Total	0.35	B	0.01	MG/KG	CLP-M	09/18/2003 02:04	
Cadmium - Total	4.4	N	0.04	MG/KG	CLP-M	09/18/2003 02:04	
Calcium - Total	52600	E	34.3	MG/KG	CLP-M	09/21/2003 11:34	
Chromium - Total	76.1	E	0.11	MG/KG	CLP-M	09/18/2003 02:04	
Cobalt - Total	29.0	E	0.08	MG/KG	CLP-M	09/18/2003 02:04	
Copper - Total	15200	EN*	4.0	MG/KG	CLP-M	09/21/2003 11:34	
Iron - Total	220000	E	38.3	MG/KG	CLP-M	09/21/2003 11:34	
Lead - Total	10000	N*	3.8	MG/KG	CLP-M	09/21/2003 11:34	
Magnesium - Total	3380	E	1.2	MG/KG	CLP-M	09/18/2003 02:04	
Manganese - Total	1610	E	0.02	MG/KG	CLP-M	09/18/2003 02:04	
Mercury - Total	1.3	*	0.015	MG/KG	CLP-M	09/11/2003 17:24	JMB
Nickel - Total	139	E	0.11	MG/KG	CLP-M	09/18/2003 02:04	
Potassium - Total	651		6.2	MG/KG	CLP-M	09/18/2003 02:04	
Selenium - Total	8.6		0.33	MG/KG	CLP-M	09/18/2003 02:04	
Silver - Total	10.7		0.08	MG/KG	CLP-M	09/18/2003 02:04	
Sodium - Total	407	B	29.8	MG/KG	CLP-M	09/18/2003 02:04	
Thallium - Total	32.9		0.45	MG/KG	CLP-M	09/18/2003 02:04	
Vanadium - Total	30.5	E	0.10	MG/KG	CLP-M	09/18/2003 02:04	
Zinc - Total	8010	E	4.0	MG/KG	CLP-M	09/21/2003 11:34	
Wet Chemistry Analysis							
Cyanide - Total	9.3		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.70		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP11-D410-S-0 DL
Lab Sample ID: A3863706DL
Date Collected: 09/09/2003
Time Collected: 14:15

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		380	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDE	ND		380	UG/KG	EPA P/PCB	09/25/2003	
4,4'-DDT	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Aldrin	ND		200	UG/KG	EPA P/PCB	09/25/2003	
alpha-BHC	ND		200	UG/KG	EPA P/PCB	09/25/2003	
alpha-Chlordane	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1016	ND		3800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1221	ND		7800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1232	ND		3800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1242	ND		3800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1248	ND		3800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1254	4000	DP	3800	UG/KG	EPA P/PCB	09/25/2003	
Aroclor 1260	2600	DJ	3800	UG/KG	EPA P/PCB	09/25/2003	
beta-BHC	ND		200	UG/KG	EPA P/PCB	09/25/2003	
delta-BHC	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Dieldrin	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan I	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan II	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Endosulfan Sulfate	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Endrin	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Endrin aldehyde	ND		380	UG/KG	EPA P/PCB	09/25/2003	
Endrin ketone	ND		380	UG/KG	EPA P/PCB	09/25/2003	
gamma-BHC (Lindane)	ND		200	UG/KG	EPA P/PCB	09/25/2003	
gamma-Chlordane	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Heptachlor epoxide	ND		200	UG/KG	EPA P/PCB	09/25/2003	
Methoxychlor	ND		2000	UG/KG	EPA P/PCB	09/25/2003	
Toxaphene	ND		20000	UG/KG	EPA P/PCB	09/25/2003	

Sample ID: FS-SP11-D810-S-0
Lab Sample ID: A3863705
Date Collected: 09/09/2003
Time Collected: 14:15

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Methylene chloride	16		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/11/2003 23:34	DGP

Sample ID: FS-SP12-D02-S-0
Lab Sample ID: A3863708
Date Collected: 09/09/2003
Time Collected: 13:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,1,2-Trichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,1-Dichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,1-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2,4-Trichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2-Dibromoethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2-Dichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,2-Dichloropropane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,3-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
1,4-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
2-Butanone	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
2-Hexanone	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
4-Methyl-2-pentanone	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Acetone	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Benzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Bromodichloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Bromoform	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Bromomethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Carbon Disulfide	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Carbon Tetrachloride	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Chlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Chloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Chloroform	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Chloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
cis-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
cis-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Cyclohexane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Dibromochloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Dichlorodifluoromethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Ethylbenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Isopropylbenzene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Methyl acetate	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Methyl tert butyl ether	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Methylcyclohexane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Methylene chloride	13		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Styrene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Tetrachloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Toluene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Total Xylenes	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
trans-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
trans-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Trichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Trichlorofluoromethane	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP
Vinyl chloride	ND		10	UG/KG	EPA VOA	09/12/2003 00:06	DGP

Sample ID: FS-SP12-D02-S-0
Lab Sample ID: A3863708
Date Collected: 09/09/2003
Time Collected: 13:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4,5-Trichlorophenol	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4,6-Trichlorophenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4-Dichlorophenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4-Dimethylphenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4-Dinitrophenol	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,4-Dinitrotoluene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2,6-Dinitrotoluene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Chloronaphthalene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Chlorophenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Methylnaphthalene	260	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Methylphenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Nitroaniline	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
2-Nitrophenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
3,3'-Dichlorobenzidine	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
3-Nitroaniline	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4,6-Dinitro-2-methylphenol	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Bromophenyl phenyl ether	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Chloro-3-methylphenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Chloroaniline	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Chlorophenyl phenyl ether	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Methylphenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Nitroaniline	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
4-Nitrophenol	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Acenaphthene	450	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Acenaphthylene	130	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Acetophenone	ND		3600	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Anthracene	1400	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Atrazine	ND		3600	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzaldehyde	ND		3600	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzo(a)anthracene	3500		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzo(a)pyrene	3000		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzo(b)fluoranthene	2300		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzo(ghi)perylene	1700	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Benzo(k)fluoranthene	2000		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Biphenyl	ND		3600	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Bis(2-chloroethoxy) methane	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Bis(2-chloroethyl) ether	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Bis(2-ethylhexyl) phthalate	590	BJ	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Butyl benzyl phthalate	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Caprolactam	ND		3600	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Carbazole	400	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Chrysene	3300		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Di-n-butyl phthalate	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Di-n-octyl phthalate	110	BJ	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Dibenzo(a,h)anthracene	710	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Dibenzofuran	380	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Diethyl phthalate	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Dimethyl phthalate	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM

Sample ID: FS-SP12-D02-S-0
Lab Sample ID: A3863708
Date Collected: 09/09/2003
Time Collected: 13:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	6800		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Fluorene	500	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Hexachlorobenzene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Hexachlorobutadiene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Hexachlorocyclopentadiene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Hexachloroethane	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Indeno(1,2,3-cd)pyrene	1600	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Isophorone	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
N-Nitroso-Di-n-propylamine	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
N-nitrosodiphenylamine	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Naphthalene	260	J	1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Nitrobenzene	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Pentachlorophenol	ND		4400	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Phenanthrene	6200		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Phenol	ND		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
Pyrene	6900		1800	UG/KG	EPA SVOA	09/25/2003 12:21	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		36	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		36	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	11	JP	36	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		19	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		19	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		730	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		360	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		360	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		19	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		36	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		36	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		36	UG/KG	EPA P/PCB	09/26/2003	
Endrin	9.4	JP	36	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	8.3	J	36	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	17	JP	36	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		19	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		19	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	38	JP	190	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		1900	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	3770	E	2.1	MG/KG	CLP-M	09/18/2003 02:14	

Sample ID: FS-SP12-D02-S-0
Lab Sample ID: A3863708
Date Collected: 09/09/2003
Time Collected: 13:30

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	16.2	N	0.46	MG/KG	CLP-M	09/18/2003 02:14	
Arsenic - Total	32.3		0.37	MG/KG	CLP-M	09/18/2003 02:14	
Barium - Total	586	E	0.02	MG/KG	CLP-M	09/18/2003 02:14	
Beryllium - Total	0.37	B	0.01	MG/KG	CLP-M	09/18/2003 02:14	
Cadmium - Total	15.3	N	0.03	MG/KG	CLP-M	09/18/2003 02:14	
Calcium - Total	45100	E	81.1	MG/KG	CLP-M	09/21/2003 11:43	
Chromium - Total	45.9	E	0.10	MG/KG	CLP-M	09/18/2003 02:14	
Cobalt - Total	12.9	E	0.08	MG/KG	CLP-M	09/18/2003 02:14	
Copper - Total	17600	EN*	9.6	MG/KG	CLP-M	09/21/2003 11:43	
Iron - Total	128000	E	90.7	MG/KG	CLP-M	09/21/2003 11:43	
Lead - Total	8600	N*	9.0	MG/KG	CLP-M	09/21/2003 11:43	
Magnesium - Total	2870	E	1.1	MG/KG	CLP-M	09/18/2003 02:14	
Manganese - Total	771	E	0.02	MG/KG	CLP-M	09/18/2003 02:14	
Mercury - Total	5.8	*	0.136	MG/KG	CLP-M	09/11/2003 18:41	JMB
Nickel - Total	62.4	E	0.10	MG/KG	CLP-M	09/18/2003 02:14	
Potassium - Total	679		5.9	MG/KG	CLP-M	09/18/2003 02:14	
Selenium - Total	5.0		0.32	MG/KG	CLP-M	09/18/2003 02:14	
Silver - Total	9.2		0.08	MG/KG	CLP-M	09/18/2003 02:14	
Sodium - Total	650		28.2	MG/KG	CLP-M	09/18/2003 02:14	
Thallium - Total	21.6		0.43	MG/KG	CLP-M	09/18/2003 02:14	
Vanadium - Total	11.3	E	0.09	MG/KG	CLP-M	09/18/2003 02:14	
Zinc - Total	13000	E	9.6	MG/KG	CLP-M	09/21/2003 11:43	
Wet Chemistry Analysis							
Cyanide - Total	3.6		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.87		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP13-D0.53.5-S-0
Lab Sample ID: A3863709
Date Collected: 09/09/2003
Time Collected: 12:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Methylene chloride	14		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/12/2003 00:37	DGP

Sample ID: FS-SP13-D0.53.5-S-0
Lab Sample ID: A3863709
Date Collected: 09/09/2003
Time Collected: 12:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4,5-Trichlorophenol	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4-Dinitrophenol	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Methylnaphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
3-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4,6-Dinitro-2-methylphenol	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Nitroaniline	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
4-Nitrophenol	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Acenaphthene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Acenaphthylene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Acetophenone	ND		750	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Atrazine	ND		750	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzaldehyde	ND		750	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzo(a)anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzo(a)pyrene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzo(b)fluoranthene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzo(ghi)perylene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Benzo(k)fluoranthene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Biphenyl	ND		750	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Bis(2-ethylhexyl) phthalate	59	BJ	370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Butyl benzyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Caprolactam	ND		750	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Carbazole	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Chrysene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Di-n-butyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Di-n-octyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Dibenzo(a,h)anthracene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Dibenzofuran	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM

Sample ID: FS-SP13-D0.53.5-S-0
Lab Sample ID: A3863709
Date Collected: 09/09/2003
Time Collected: 12:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	22	J	370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Fluorene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Indeno(1,2,3-cd)pyrene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Naphthalene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Pentachlorophenol	ND		900	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Phenanthrene	15	J	370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
Pyrene	20	J	370	UG/KG	EPA SVOA	09/25/2003 09:29	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
4,4'-DDE	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
4,4'-DDT	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1221	ND		75	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/24/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/24/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
Endrin ketone	ND		3.7	UG/KG	EPA P/PCB	09/24/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/24/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	09/24/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/24/2003	
Metals Analysis							
Aluminum - Total	11100	E	2.1	MG/KG	CLP-M	09/18/2003 02:19	

Sample ID: FS-SP13-D0.53.5-S-0
Lab Sample ID: A3863709
Date Collected: 09/09/2003
Time Collected: 12:45

Date Received: 09/10/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	0.70	BN	0.47	MG/KG	CLP-M	09/18/2003 02:19	
Arsenic - Total	1.0	B	0.38	MG/KG	CLP-M	09/18/2003 02:19	
Barium - Total	33.5	E	0.02	MG/KG	CLP-M	09/18/2003 02:19	
Beryllium - Total	0.61		0.01	MG/KG	CLP-M	09/18/2003 02:19	
Cadmium - Total	ND	N	0.03	MG/KG	CLP-M	09/18/2003 02:19	
Calcium - Total	869	E	1.6	MG/KG	CLP-M	09/18/2003 02:19	
Chromium - Total	13.9	E	0.10	MG/KG	CLP-M	09/18/2003 02:19	
Cobalt - Total	10.3	E	0.08	MG/KG	CLP-M	09/18/2003 02:19	
Copper - Total	15.7	EN*	0.19	MG/KG	CLP-M	09/18/2003 02:19	
Iron - Total	22300	E	1.8	MG/KG	CLP-M	09/18/2003 02:19	
Lead - Total	7.5	N*	0.18	MG/KG	CLP-M	09/18/2003 02:19	
Magnesium - Total	4560	E	1.1	MG/KG	CLP-M	09/18/2003 02:19	
Manganese - Total	185	E	0.02	MG/KG	CLP-M	09/18/2003 02:19	
Mercury - Total	ND	*	0.015	MG/KG	CLP-M	09/11/2003 17:31	JMB
Nickel - Total	23.0	E	0.10	MG/KG	CLP-M	09/18/2003 02:19	
Potassium - Total	1670		5.9	MG/KG	CLP-M	09/18/2003 02:19	
Selenium - Total	1.0	B	0.32	MG/KG	CLP-M	09/18/2003 02:19	
Silver - Total	ND		0.08	MG/KG	CLP-M	09/18/2003 02:19	
Sodium - Total	ND		28.5	MG/KG	CLP-M	09/18/2003 02:19	
Thallium - Total	4.3		0.43	MG/KG	CLP-M	09/18/2003 02:19	
Vanadium - Total	14.0	E	0.09	MG/KG	CLP-M	09/18/2003 02:19	
Zinc - Total	54.6	E	0.19	MG/KG	CLP-M	09/18/2003 02:19	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	5.26		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP16-D812-S-0
Lab Sample ID: A3856602
Date Collected: 09/08/2003
Time Collected: 10:30

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Methylene chloride	20		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/11/2003 21:28	DGP

Sample ID: FS-SP16-D812-S-0
Lab Sample ID: A3856602
Date Collected: 09/08/2003
Time Collected: 10:30

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4,5-Trichlorophenol	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4,6-Trichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4-Dichlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4-Dimethylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4-Dinitrophenol	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,4-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2,6-Dinitrotoluene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Chloronaphthalene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Chlorophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Methylnaphthalene	40	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
2-Nitrophenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
3,3'-Dichlorobenzidine	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
3-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4,6-Dinitro-2-methylphenol	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Bromophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Chloro-3-methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Chloroaniline	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Chlorophenyl phenyl ether	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Methylphenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Nitroaniline	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
4-Nitrophenol	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Acenaphthene	190	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Acenaphthylene	31	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Acetophenone	ND		750	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Anthracene	470		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Atrazine	ND		750	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzaldehyde	ND		750	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzo(a)anthracene	930		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzo(a)pyrene	830		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzo(b)fluoranthene	800		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzo(ghi)perylene	230	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Benzo(k)fluoranthene	670		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Biphenyl	ND		750	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Bis(2-chloroethoxy) methane	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Bis(2-chloroethyl) ether	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Bis(2-ethylhexyl) phthalate	230	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Butyl benzyl phthalate	17	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Caprolactam	ND		750	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Carbazole	300	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Chrysene	850		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Di-n-butyl phthalate	11	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Di-n-octyl phthalate	21	BJ	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Dibenzo(a,h)anthracene	270	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Dibenzofuran	130	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Diethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Dimethyl phthalate	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM

Sample ID: FS-SP16-D812-S-0
Lab Sample ID: A3856602
Date Collected: 09/08/2003
Time Collected: 10:30

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1800		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Fluorene	260	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Hexachlorobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Hexachlorobutadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Hexachlorocyclopentadiene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Hexachloroethane	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Indeno(1,2,3-cd)pyrene	550		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Isophorone	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
N-Nitroso-Di-n-propylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
N-nitrosodiphenylamine	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Naphthalene	130	J	370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Nitrobenzene	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Pentachlorophenol	ND		910	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Phenanthrene	1800		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Phenol	ND		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
Pyrene	1700		370	UG/KG	EPA SVOA	09/19/2003 16:05	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDE	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDT	0.91	J	3.6	UG/KG	EPA P/PCB	09/19/2003	
Aldrin	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
alpha-BHC	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
alpha-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1016	ND		37	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1221	ND		74	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1232	ND		37	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1242	ND		37	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1248	ND		37	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1254	ND		37	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1260	ND		37	UG/KG	EPA P/PCB	09/19/2003	
beta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
delta-BHC	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Dieldrin	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan I	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan II	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan Sulfate	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
Endrin	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
Endrin aldehyde	ND		3.7	UG/KG	EPA P/PCB	09/19/2003	
Endrin ketone	0.81	JP	3.6	UG/KG	EPA P/PCB	09/19/2003	
gamma-BHC (Lindane)	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
gamma-Chlordane	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor epoxide	ND		1.9	UG/KG	EPA P/PCB	09/19/2003	
Methoxychlor	ND		19	UG/KG	EPA P/PCB	09/19/2003	
Toxaphene	ND		190	UG/KG	EPA P/PCB	09/19/2003	
Metals Analysis							
Aluminum - Total	7730		2.1	MG/KG	CLP-M	09/18/2003 00:37	

Sample ID: FS-SP16-D812-S-0
Lab Sample ID: A3856602
Date Collected: 09/08/2003
Time Collected: 10:30

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.1	BN	0.47	MG/KG	CLP-M	09/18/2003 00:37	
Arsenic - Total	3.0	*	0.38	MG/KG	CLP-M	09/18/2003 00:37	
Barium - Total	59.3	N*	0.02	MG/KG	CLP-M	09/18/2003 00:37	
Beryllium - Total	0.60		0.01	MG/KG	CLP-M	09/18/2003 00:37	
Cadmium - Total	ND	*	0.03	MG/KG	CLP-M	09/18/2003 00:37	
Calcium - Total	6880	*	1.6	MG/KG	CLP-M	09/18/2003 00:37	
Chromium - Total	12.2		0.10	MG/KG	CLP-M	09/18/2003 00:37	
Cobalt - Total	7.0		0.08	MG/KG	CLP-M	09/18/2003 00:37	
Copper - Total	27.1	N*	0.19	MG/KG	CLP-M	09/18/2003 00:37	
Iron - Total	18000	*	1.8	MG/KG	CLP-M	09/18/2003 00:37	
Lead - Total	38.4	*	0.18	MG/KG	CLP-M	09/18/2003 00:37	
Magnesium - Total	4380	*	1.2	MG/KG	CLP-M	09/18/2003 00:37	
Manganese - Total	252	N*	0.02	MG/KG	CLP-M	09/18/2003 00:37	
Mercury - Total	0.166	*	0.014	MG/KG	CLP-M	09/11/2003 17:15	JMB
Nickel - Total	16.7		0.10	MG/KG	CLP-M	09/18/2003 00:37	
Potassium - Total	1700		5.9	MG/KG	CLP-M	09/18/2003 00:37	
Selenium - Total	1.2	BN	0.32	MG/KG	CLP-M	09/18/2003 00:37	
Silver - Total	0.12	B	0.08	MG/KG	CLP-M	09/18/2003 00:37	
Sodium - Total	144	B	28.6	MG/KG	CLP-M	09/18/2003 00:37	
Thallium - Total	3.8	N*	0.43	MG/KG	CLP-M	09/18/2003 00:37	
Vanadium - Total	12.6		0.09	MG/KG	CLP-M	09/18/2003 00:37	
Zinc - Total	85.3	N	0.19	MG/KG	CLP-M	09/18/2003 00:37	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/11/2003 14:44	JMS
Leachable pH	7.88		0	S.U.	9045	09/09/2003 15:00	MJ

Sample ID: FS-SP19-D048-S-0
Lab Sample ID: A3856603
Date Collected: 09/08/2003
Time Collected: 08:45

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Methylene chloride	9	J	11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/11/2003 22:00	DGP

Sample ID: FS-SP19-D048-S-0
Lab Sample ID: A3856603
Date Collected: 09/08/2003
Time Collected: 08:45

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4,5-Trichlorophenol	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4,6-Trichlorophenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4-Dichlorophenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4-Dimethylphenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4-Dinitrophenol	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,4-Dinitrotoluene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2,6-Dinitrotoluene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Chloronaphthalene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Chlorophenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Methylnaphthalene	400		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Methylphenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Nitroaniline	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
2-Nitrophenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
3,3'-Dichlorobenzidine	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
3-Nitroaniline	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4,6-Dinitro-2-methylphenol	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Bromophenyl phenyl ether	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Chloro-3-methylphenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Chloroaniline	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Chlorophenyl phenyl ether	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Methylphenol	11	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Nitroaniline	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
4-Nitrophenol	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Acenaphthene	68	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Acenaphthylene	130	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Acetophenone	ND		710	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Anthracene	280	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Atrazine	ND		710	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzaldehyde	ND		710	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzo(a)anthracene	1100		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzo(a)pyrene	1000		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzo(b)fluoranthene	1200		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzo(ghi)perylene	190	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Benzo(k)fluoranthene	790		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Biphenyl	ND		710	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Bis(2-chloroethoxy) methane	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Bis(2-chloroethyl) ether	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Bis(2-ethylhexyl) phthalate	99	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Butyl benzyl phthalate	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Caprolactam	ND		710	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Carbazole	130	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Chrysene	1200		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Di-n-butyl phthalate	13	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Di-n-octyl phthalate	23	BJ	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Dibenzo(a,h)anthracene	220	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Dibenzofuran	200	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Diethyl phthalate	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Dimethyl phthalate	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM

Sample ID: FS-SP19-D048-S-0
Lab Sample ID: A3856603
Date Collected: 09/08/2003
Time Collected: 08:45

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	2400		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Fluorene	100	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Hexachlorobenzene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Hexachlorobutadiene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Hexachlorocyclopentadiene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Hexachloroethane	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Indeno(1,2,3-cd)pyrene	440		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Isophorone	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
N-Nitroso-Di-n-propylamine	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
N-nitrosodiphenylamine	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Naphthalene	220	J	350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Nitrobenzene	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Pentachlorophenol	ND		860	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Phenanthrene	1400		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Phenol	ND		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
Pyrene	1800		350	UG/KG	EPA SVOA	09/19/2003 16:40	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDE	0.83	JP	3.5	UG/KG	EPA P/PCB	09/19/2003	
4,4'-DDT	2.7	J	3.5	UG/KG	EPA P/PCB	09/19/2003	
Aldrin	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
alpha-BHC	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
alpha-Chlordane	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1016	ND		35	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1221	ND		72	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1232	ND		35	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1242	ND		35	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1248	ND		35	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1254	22	J	35	UG/KG	EPA P/PCB	09/19/2003	
Aroclor 1260	ND		35	UG/KG	EPA P/PCB	09/19/2003	
beta-BHC	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
delta-BHC	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Dieldrin	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan I	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan II	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
Endosulfan Sulfate	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
Endrin	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
Endrin aldehyde	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
Endrin ketone	ND		3.5	UG/KG	EPA P/PCB	09/19/2003	
gamma-BHC (Lindane)	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
gamma-Chlordane	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Heptachlor epoxide	ND		1.8	UG/KG	EPA P/PCB	09/19/2003	
Methoxychlor	ND		18	UG/KG	EPA P/PCB	09/19/2003	
Toxaphene	ND		180	UG/KG	EPA P/PCB	09/19/2003	
Metals Analysis							
Aluminum - Total	5910		2.0	MG/KG	CLP-M	09/18/2003 00:42	

Sample ID: FS-SP19-D048-S-0
Lab Sample ID: A3856603
Date Collected: 09/08/2003
Time Collected: 08:45

Date Received: 09/09/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	3.4	BN	0.45	MG/KG	CLP-M	09/18/2003 00:42	
Arsenic - Total	143	*	0.37	MG/KG	CLP-M	09/18/2003 00:42	
Barium - Total	114	N*	0.02	MG/KG	CLP-M	09/18/2003 00:42	
Beryllium - Total	1.6		0.01	MG/KG	CLP-M	09/18/2003 00:42	
Cadmium - Total	0.23	B*	0.03	MG/KG	CLP-M	09/18/2003 00:42	
Calcium - Total	6930	*	1.6	MG/KG	CLP-M	09/18/2003 00:42	
Chromium - Total	9.6		0.10	MG/KG	CLP-M	09/18/2003 00:42	
Cobalt - Total	8.0		0.08	MG/KG	CLP-M	09/18/2003 00:42	
Copper - Total	42.4	N*	0.19	MG/KG	CLP-M	09/18/2003 00:42	
Iron - Total	20500	*	1.8	MG/KG	CLP-M	09/18/2003 00:42	
Lead - Total	53.9	*	0.18	MG/KG	CLP-M	09/18/2003 00:42	
Magnesium - Total	1840	*	1.1	MG/KG	CLP-M	09/18/2003 00:42	
Manganese - Total	207	N*	0.02	MG/KG	CLP-M	09/18/2003 00:42	
Mercury - Total	0.071	*	0.015	MG/KG	CLP-M	09/11/2003 17:16	JMB
Nickel - Total	23.6		0.10	MG/KG	CLP-M	09/18/2003 00:42	
Potassium - Total	589		5.8	MG/KG	CLP-M	09/18/2003 00:42	
Selenium - Total	3.2	BN	0.31	MG/KG	CLP-M	09/18/2003 00:42	
Silver - Total	0.10	B	0.08	MG/KG	CLP-M	09/18/2003 00:42	
Sodium - Total	161	B	27.8	MG/KG	CLP-M	09/18/2003 00:42	
Thallium - Total	5.5	N*	0.42	MG/KG	CLP-M	09/18/2003 00:42	
Vanadium - Total	19.1		0.09	MG/KG	CLP-M	09/18/2003 00:42	
Zinc - Total	146	N	0.19	MG/KG	CLP-M	09/18/2003 00:42	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	MG/KG	CLP-WC	09/11/2003 14:44	JMS
Leachable pH	7.04		0	S.U.	9045	09/09/2003 15:00	MJ

Sample ID: FS-SP21-D45-S-0
Lab Sample ID: A3865404
Date Collected: 09/10/2003
Time Collected: 08:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,1,2-Trichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,1-Dichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,1-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2,4-Trichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2-Dibromoethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2-Dichloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,2-Dichloropropane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,3-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
1,4-Dichlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
2-Butanone	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
2-Hexanone	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
4-Methyl-2-pentanone	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Acetone	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Benzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Bromodichloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Bromoform	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Bromomethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Carbon Disulfide	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Carbon Tetrachloride	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Chlorobenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Chloroethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Chloroform	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Chloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
cis-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
cis-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Cyclohexane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Dibromochloromethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Dichlorodifluoromethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Ethylbenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Isopropylbenzene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Methyl acetate	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Methyl tert butyl ether	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Methylcyclohexane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Methylene chloride	4	J	10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Styrene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Tetrachloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Toluene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Total Xylenes	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
trans-1,2-Dichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
trans-1,3-Dichloropropene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Trichloroethene	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Trichlorofluoromethane	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP
Vinyl chloride	ND		10	UG/KG	EPA VOA	09/12/2003 02:43	DGP

Sample ID: FS-SP21-D45-S-0
Lab Sample ID: A3865404
Date Collected: 09/10/2003
Time Collected: 08:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4,5-Trichlorophenol	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4,6-Trichlorophenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4-Dichlorophenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4-Dimethylphenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4-Dinitrophenol	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,4-Dinitrotoluene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2,6-Dinitrotoluene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Chloronaphthalene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Chlorophenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Methylnaphthalene	1100	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Methylphenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Nitroaniline	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
2-Nitrophenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
3,3'-Dichlorobenzidine	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
3-Nitroaniline	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4,6-Dinitro-2-methylphenol	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Bromophenyl phenyl ether	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Chloro-3-methylphenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Chloroaniline	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Chlorophenyl phenyl ether	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Methylphenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Nitroaniline	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
4-Nitrophenol	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Acenaphthene	49	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Acenaphthylene	82	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Acetophenone	ND		2800	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Anthracene	360	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Atrazine	ND		2800	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzaldehyde	ND		2800	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzo(a)anthracene	690	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzo(a)pyrene	480	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzo(b)fluoranthene	530	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzo(ghi)perylene	170	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Benzo(k)fluoranthene	370	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Biphenyl	ND		2800	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Bis(2-chloroethoxy) methane	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Bis(2-chloroethyl) ether	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Bis(2-ethylhexyl) phthalate	570	BJ	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Butyl benzyl phthalate	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Caprolactam	ND		2800	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Carbazole	110	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Chrysene	660	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Di-n-butyl phthalate	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Di-n-octyl phthalate	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Dibenzo(a,h)anthracene	110	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Dibenzofuran	450	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Diethyl phthalate	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Dimethyl phthalate	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM

Sample ID: FS-SP21-D45-S-0
Lab Sample ID: A3865404
Date Collected: 09/10/2003
Time Collected: 08:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	1300	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Fluorene	160	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Hexachlorobenzene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Hexachlorobutadiene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Hexachlorocyclopentadiene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Hexachloroethane	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Indeno(1,2,3-cd)pyrene	190	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Isophorone	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
N-Nitroso-Di-n-propylamine	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
N-nitrosodiphenylamine	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Naphthalene	550	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Nitrobenzene	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Pentachlorophenol	ND		3400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Phenanthrene	1800		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Phenol	ND		1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
Pyrene	990	J	1400	UG/KG	EPA SVOA	09/25/2003 13:30	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		14	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		14	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	4.2	JP	14	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		140	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		280	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		140	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		140	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		140	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		140	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		140	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	3.8	JP	14	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		14	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		14	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		14	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		14	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	6.2	JP	14	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		7.0	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	3.1	JP	70	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		700	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	5860	E	2.0	MG/KG	CLP-M	09/18/2003 03:42	

Sample ID: FS-SP21-D45-S-0
Lab Sample ID: A3865404
Date Collected: 09/10/2003
Time Collected: 08:45

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	1.4	BN	0.43	MG/KG	CLP-M	09/18/2003 03:42	
Arsenic - Total	16.1		0.35	MG/KG	CLP-M	09/18/2003 03:42	
Barium - Total	106	E	0.02	MG/KG	CLP-M	09/18/2003 03:42	
Beryllium - Total	0.79		0.01	MG/KG	CLP-M	09/18/2003 03:42	
Cadmium - Total	ND	N	0.03	MG/KG	CLP-M	09/18/2003 03:42	
Calcium - Total	13900	E	1.5	MG/KG	CLP-M	09/18/2003 03:42	
Chromium - Total	16.9	E	0.10	MG/KG	CLP-M	09/18/2003 03:42	
Cobalt - Total	9.8	E	0.07	MG/KG	CLP-M	09/18/2003 03:42	
Copper - Total	52.9	EN*	0.18	MG/KG	CLP-M	09/19/2003 00:39	
Iron - Total	18800	E	1.7	MG/KG	CLP-M	09/19/2003 00:39	
Lead - Total	71.1	N*	0.17	MG/KG	CLP-M	09/18/2003 03:42	
Magnesium - Total	3300	E	1.1	MG/KG	CLP-M	09/18/2003 03:42	
Manganese - Total	486	E	0.02	MG/KG	CLP-M	09/18/2003 03:42	
Mercury - Total	0.364	*	0.015	MG/KG	CLP-M	09/11/2003 17:39	JMB
Nickel - Total	20.6	E	0.10	MG/KG	CLP-M	09/18/2003 03:42	
Potassium - Total	1050		5.5	MG/KG	CLP-M	09/18/2003 03:42	
Selenium - Total	2.8	B	0.30	MG/KG	CLP-M	09/18/2003 03:42	
Silver - Total	0.13	B	0.07	MG/KG	CLP-M	09/18/2003 03:42	
Sodium - Total	107	B	26.6	MG/KG	CLP-M	09/18/2003 03:42	
Thallium - Total	4.2		0.40	MG/KG	CLP-M	09/18/2003 03:42	
Vanadium - Total	25.2	E	0.08	MG/KG	CLP-M	09/18/2003 03:42	
Zinc - Total	117	E	0.18	MG/KG	CLP-M	09/19/2003 00:39	
Wet Chemistry Analysis							
Cyanide - Total	ND		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.66		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SP23-D14-S-0
Lab Sample ID: A3865405
Date Collected: 09/10/2003
Time Collected: 12:20

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 EPA -VOLATILES							
1,1,1-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,1,2,2-Tetrachloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,1,2-Trichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,1-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,1-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2,4-Trichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2-Dibromo-3-chloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2-Dibromoethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2-Dichloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,2-Dichloropropane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,3-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
1,4-Dichlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
2-Butanone	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
2-Hexanone	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
4-Methyl-2-pentanone	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Acetone	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Benzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Bromodichloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Bromoform	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Bromomethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Carbon Disulfide	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Carbon Tetrachloride	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Chlorobenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Chloroethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Chloroform	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Chloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
cis-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
cis-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Cyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Dibromochloromethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Dichlorodifluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Ethylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Isopropylbenzene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Methyl acetate	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Methyl tert butyl ether	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Methylcyclohexane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Methylene chloride	7	J	11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Styrene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Tetrachloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Toluene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Total Xylenes	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
trans-1,2-Dichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
trans-1,3-Dichloropropene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Trichloroethene	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Trichlorofluoromethane	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP
Vinyl chloride	ND		11	UG/KG	EPA VOA	09/12/2003 03:15	DGP

Sample ID: FS-SP23-D14-S-0
Lab Sample ID: A3865406
Date Collected: 09/10/2003
Time Collected: 12:20

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
2,2'-Oxybis(1-Chloropropane)	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4,5-Trichlorophenol	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4,6-Trichlorophenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4-Dichlorophenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4-Dimethylphenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4-Dinitrophenol	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,4-Dinitrotoluene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2,6-Dinitrotoluene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Chloronaphthalene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Chlorophenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Methylnaphthalene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Methylphenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
2-Nitrophenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
3,3'-Dichlorobenzidine	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
3-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4,6-Dinitro-2-methylphenol	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Bromophenyl phenyl ether	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Chloro-3-methylphenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Chloroaniline	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Chlorophenyl phenyl ether	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Methylphenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Nitroaniline	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
4-Nitrophenol	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Acenaphthene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Acenaphthylene	16	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Acetophenone	ND		730	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Anthracene	32	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Atrazine	ND		730	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzaldehyde	ND		730	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzo(a)anthracene	190	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzo(a)pyrene	180	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzo(b)fluoranthene	190	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzo(ghi)perylene	93	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Benzo(k)fluoranthene	120	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Biphenyl	ND		730	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Bis(2-chloroethoxy) methane	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Bis(2-chloroethyl) ether	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Bis(2-ethylhexyl) phthalate	220	BJ	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Butyl benzyl phthalate	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Caprolactam	ND		730	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Carbazole	10	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Chrysene	190	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Di-n-butyl phthalate	11	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Di-n-octyl phthalate	17	BJ	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Dibenzo(a,h)anthracene	46	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Dibenzofuran	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Diethyl phthalate	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Dimethyl phthalate	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM

Sample ID: FS-SP23-D14-S-0
Lab Sample ID: A3865406
Date Collected: 09/10/2003
Time Collected: 12:20

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL - ASP00 EPA - SEMIVOLATILES - L							
Fluoranthene	300	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Fluorene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Hexachlorobenzene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Hexachlorobutadiene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Hexachlorocyclopentadiene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Hexachloroethane	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Indeno(1,2,3-cd)pyrene	96	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Isophorone	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
N-Nitroso-Di-n-propylamine	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
N-nitrosodiphenylamine	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Naphthalene	18	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Nitrobenzene	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Pentachlorophenol	ND		880	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Phenanthrene	150	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Phenol	ND		360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
Pyrene	220	J	360	UG/KG	EPA SVOA	09/25/2003 14:04	PM
TVGA - SOIL-ASP00 - PESTICIDES/AROCLORS							
4,4'-DDD	ND		15	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDE	ND		15	UG/KG	EPA P/PCB	09/26/2003	
4,4'-DDT	15		14	UG/KG	EPA P/PCB	09/26/2003	
Aldrin	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
alpha-BHC	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
alpha-Chlordane	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1016	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1221	ND		300	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1232	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1242	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1248	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1254	ND		150	UG/KG	EPA P/PCB	09/26/2003	
Aroclor 1260	ND		150	UG/KG	EPA P/PCB	09/26/2003	
beta-BHC	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
delta-BHC	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Dieldrin	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan I	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan II	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endosulfan Sulfate	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin aldehyde	ND		15	UG/KG	EPA P/PCB	09/26/2003	
Endrin ketone	3.6	JP	14	UG/KG	EPA P/PCB	09/26/2003	
gamma-BHC (Lindane)	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
gamma-Chlordane	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Heptachlor epoxide	ND		7.5	UG/KG	EPA P/PCB	09/26/2003	
Methoxychlor	ND		75	UG/KG	EPA P/PCB	09/26/2003	
Toxaphene	ND		750	UG/KG	EPA P/PCB	09/26/2003	
Metals Analysis							
Aluminum - Total	10100	E	2.1	MG/KG	CLP-M	09/18/2003 03:47	

Sample ID: FS-SP23-D14-S-0
Lab Sample ID: A3865406
Date Collected: 09/10/2003
Time Collected: 12:20

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Antimony - Total	21.8	N	0.47	MG/KG	CLP-M	09/18/2003 03:47	
Arsenic - Total	24.5		0.38	MG/KG	CLP-M	09/18/2003 03:47	
Barium - Total	2170	E	0.23	MG/KG	CLP-M	09/20/2003 05:01	
Beryllium - Total	0.44	B	0.01	MG/KG	CLP-M	09/18/2003 03:47	
Cadmium - Total	3.2	N	0.03	MG/KG	CLP-M	09/18/2003 03:47	
Calcium - Total	77200	E	16.5	MG/KG	CLP-M	09/20/2003 05:01	
Chromium - Total	32.8	E	0.10	MG/KG	CLP-M	09/18/2003 03:47	
Cobalt - Total	10.4	E	0.08	MG/KG	CLP-M	09/18/2003 03:47	
Copper - Total	2130	EN*	0.19	MG/KG	CLP-M	09/19/2003 00:44	
Iron - Total	55600	E	1.8	MG/KG	CLP-M	09/19/2003 00:44	
Lead - Total	2250	N*	0.18	MG/KG	CLP-M	09/18/2003 03:47	
Magnesium - Total	14900	E	1.2	MG/KG	CLP-M	09/18/2003 03:47	
Manganese - Total	1320	E	0.02	MG/KG	CLP-M	09/18/2003 03:47	
Mercury - Total	10.7	*	0.158	MG/KG	CLP-M	09/11/2003 18:43	JMB
Nickel - Total	44.9	E	0.10	MG/KG	CLP-M	09/18/2003 03:47	
Potassium - Total	1140		6.0	MG/KG	CLP-M	09/18/2003 03:47	
Selenium - Total	2.9	B	0.32	MG/KG	CLP-M	09/18/2003 03:47	
Silver - Total	3.6		0.08	MG/KG	CLP-M	09/18/2003 03:47	
Sodium - Total	206	B	28.7	MG/KG	CLP-M	09/18/2003 03:47	
Thallium - Total	10.1		0.44	MG/KG	CLP-M	09/18/2003 03:47	
Vanadium - Total	17.0	E	0.09	MG/KG	CLP-M	09/18/2003 03:47	
Zinc - Total	3470	E	1.9	MG/KG	CLP-M	09/20/2003 05:01	
Wet Chemistry Analysis							
Cyanide - Total	6.4		1.0	MG/KG	CLP-WC	09/15/2003 19:10	JMS
Leachable pH	7.71		0	S.U.	9045	09/12/2003 13:00	MJ

Sample ID: FS-SPXX-RB
Lab Sample ID: A3865407
Date Collected: 09/10/2003
Time Collected: 14:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - VOLATILES - W							
1,1,1-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,1,2,2-Tetrachloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,1,2-Trichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,1-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,1-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2,4-Trichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2-Dibromo-3-chloropropane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2-Dibromoethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2-Dichloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,2-Dichloropropane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,3-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
1,4-Dichlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
2-Butanone	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
2-Hexanone	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
4-Methyl-2-pentanone	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Acetone	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Benzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Bromodichloromethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Bromoform	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Bromomethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Carbon Disulfide	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Carbon Tetrachloride	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Chlorobenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Chloroethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Chloroform	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Chloromethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
cis-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
cis-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Cyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Dibromochloromethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Dichlorodifluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Ethylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Isopropylbenzene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Methyl acetate	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Methyl tert butyl ether	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Methylcyclohexane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Methylene chloride	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Styrene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Tetrachloroethene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Toluene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Total Xylenes	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
trans-1,2-Dichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
trans-1,3-Dichloropropene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Trichloroethene	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Trichlorofluoromethane	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP
Vinyl chloride	ND		10	UG/L	EPA VOA	09/16/2003 16:50	DGP

Sample ID: FS-SPXX-RB
Lab Sample ID: A3865407
Date Collected: 09/10/2003
Time Collected: 14:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - PESTICIDES/AROCLORS - W							
4,4'-DDD	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDE	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
4,4'-DDT	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Aldrin	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
alpha-BHC	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
alpha-Chlordane	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1016	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1221	ND		1.9	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1232	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1242	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1248	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1254	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
Aroclor 1260	ND		0.97	UG/L	EPA P/PCB	09/18/2003	
beta-BHC	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
delta-BHC	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Dieldrin	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Endosulfan I	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Endosulfan II	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Endosulfan Sulfate	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Endrin	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Endrin aldehyde	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
Endrin ketone	ND		0.097	UG/L	EPA P/PCB	09/18/2003	
gamma-BHC (Lindane)	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
gamma-Chlordane	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Heptachlor	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Heptachlor epoxide	ND		0.049	UG/L	EPA P/PCB	09/18/2003	
Methoxychlor	ND		0.49	UG/L	EPA P/PCB	09/18/2003	
Toxaphene	ND		4.9	UG/L	EPA P/PCB	09/18/2003	
Metals Analysis							
Aluminum - Total	80.8	B	18.4	UG/L	CLP-M	09/17/2003 21:05	
Antimony - Total	ND		4.1	UG/L	CLP-M	09/17/2003 21:05	
Arsenic - Total	ND		3.3	UG/L	CLP-M	09/17/2003 21:05	
Barium - Total	0.97	B	0.20	UG/L	CLP-M	09/17/2003 21:05	
Beryllium - Total	0.10	B	0.10	UG/L	CLP-M	09/17/2003 21:05	
Cadmium - Total	ND		0.30	UG/L	CLP-M	09/17/2003 21:05	
Calcium - Total	205	B	14.4	UG/L	CLP-M	09/17/2003 21:05	
Chromium - Total	ND		0.90	UG/L	CLP-M	09/17/2003 21:05	
Cobalt - Total	1.1	B	0.70	UG/L	CLP-M	09/17/2003 21:05	
Copper - Total	3.1	B	1.7	UG/L	CLP-M	09/17/2003 21:05	
Iron - Total	208	*	16.1	UG/L	CLP-M	09/17/2003 21:05	
Lead - Total	ND		1.6	UG/L	CLP-M	09/17/2003 21:05	
Magnesium - Total	111	B	10.1	UG/L	CLP-M	09/17/2003 21:05	
Manganese - Total	2.7	B	0.20	UG/L	CLP-M	09/17/2003 21:05	
Mercury - Total	0.045	B	0.037	UG/L	CLP-M	09/18/2003 13:13	JMB
Nickel - Total	1.3	B	0.90	UG/L	CLP-M	09/17/2003 21:05	
Potassium - Total	ND		52.1	UG/L	CLP-M	09/17/2003 21:05	
Selenium - Total	ND		2.8	UG/L	CLP-M	09/17/2003 21:05	
Silver - Total	ND		0.70	UG/L	CLP-M	09/17/2003 21:05	

Sample ID: FS-SPXX-RB
Lab Sample ID: A3865407
Date Collected: 09/10/2003
Time Collected: 14:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Sodium - Total	438	B	250	UG/L	CLP-M	09/17/2003 21:05	
Thallium - Total	ND		3.8	UG/L	CLP-M	09/17/2003 21:05	
Vanadium - Total	0.92	B	0.80	UG/L	CLP-M	09/17/2003 21:05	
Zinc - Total	1.8	B	1.7	UG/L	CLP-M	09/17/2003 21:05	
Wet Chemistry Analysis							
Cyanide - Total	ND		0.010	MG/L	CLP-WC	09/23/2003 16:21	JMS

Sample ID: FS-SPXX-RB
Lab Sample ID: A3865407RE
Date Collected: 09/10/2003
Time Collected: 14:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
2,2'-Oxybis(1-Chloropropane)	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4,5-Trichlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4,6-Trichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4-Dichlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4-Dimethylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4-Dinitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,4-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2,6-Dinitrotoluene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Chloronaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Chlorophenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Methylnaphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
2-Nitrophenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
3,3'-Dichlorobenzidine	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
3-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
4,6-Dinitro-2-methylphenol	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Bromophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Chloro-3-methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Chloroaniline	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Chlorophenyl phenyl ether	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Methylphenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Nitroaniline	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
4-Nitrophenol	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
Acenaphthene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Acenaphthylene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Acetophenone	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Atrazine	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzaldehyde	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzo(a)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzo(a)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzo(b)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzo(ghi)perylene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Benzo(k)fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Biphenyl	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Bis(2-chloroethoxy) methane	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Bis(2-chloroethyl) ether	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Bis(2-ethylhexyl) phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Butyl benzyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Caprolactam	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Carbazole	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Chrysene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Di-n-butyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Di-n-octyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Dibenzo(a,h)anthracene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Dibenzofuran	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Diethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Dimethyl phthalate	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM

Sample ID: FS-SPXX-RB
Lab Sample ID: A3865407RE
Date Collected: 09/10/2003
Time Collected: 14:15

Date Received: 09/11/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - ASP00 EPA - SEMIVOLATILES - W							
Fluoranthene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Fluorene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Hexachlorobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Hexachlorobutadiene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Hexachlorocyclopentadiene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Hexachloroethane	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Indeno(1,2,3-cd)pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Isophorone	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
N-Nitroso-Di-n-propylamine	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
N-nitrosodiphenylamine	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Naphthalene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Nitrobenzene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Pentachlorophenol	ND		24	UG/L	EPA SVOA	09/19/2003 10:54	PM
Phenanthrene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Phenol	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM
Pyrene	ND		10	UG/L	EPA SVOA	09/19/2003 10:54	PM

Sample ID: FS-SS01-CC-0
Lab Sample ID: A3870701
Date Collected: 09/11/2003
Time Collected: 12:00

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 8082 - PCBS							
Aroclor 1016	ND		82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1221	ND		82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1232	ND		82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1242	9.2	J	82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1248	ND		82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1254	ND		82	UG/KG	8082	09/17/2003 20:20	STL
Aroclor 1260	16	J	82	UG/KG	8082	09/17/2003 20:20	STL
Wet Chemistry Analysis							
Leachable pH	11.6		0	S.U.	9045	09/12/2003 21:20	KS

Sample ID: FS-SS02-SED-0
Lab Sample ID: A3870903
Date Collected: 09/11/2003
Time Collected: 12:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 8082 - PCBS							
Aroclor 1016	ND		340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1221	ND		340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1232	ND		340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1242	240	J	340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1248	ND		340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1254	160	J	340	UG/KG	8082	09/17/2003 21:43	DW
Aroclor 1260	110	J	340	UG/KG	8082	09/17/2003 21:43	DW

Sample ID: FS-SS03-CC-0
Lab Sample ID: A3870702
Date Collected: 09/11/2003
Time Collected: 12:30

Date Received: 09/12/2003
Project No: NY3A9078
Client No: 511679
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
TVGA - SOIL-ASP00 8082 - PCBS							
Aroclor 1016	ND		170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1221	ND		170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1232	ND		170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1242	92	J	170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1248	ND		170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1254	ND		170	UG/KG	8082	09/17/2003 20:48	STL
Aroclor 1260	74	J	170	UG/KG	8082	09/17/2003 20:48	STL
Wet Chemistry Analysis							
Leachable pH	11.7		0	S.U.	9045	09/12/2003 21:20	KS

Chain of Custody

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA COnsultants	Project Manager: Robert Napieralski	Date: 9-8-03	Chain of Custody Number: 135389
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): FOrmer Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Asp-03 - VOCs	Asp-03 - SVOCs	Asp-03 RCRA	NaP, TAL Metals + CN	Special Instructions/ Conditions of Receipt
FS-SP03-D04-S-0	9-8-03	1:15p				X	8oz 4oz						X	X	X	X	There is 1x4oz for VOCs for each sample & 1x16oz for each sample for SVOCs, RCRA & TAL Metals + CN
FS-SP16-D12-S-0	↓	10:30a				X	↓						X	X	X	X	
FS-SP19-D48-S-0	↓	8:45a				X	↓						X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: R. Napieralski	9/9/03	8:10
2. Relinquished By: T. Sanders	9-9-03	9:00
3. Relinquished By:		
1. Received By: T. Sanders	9-9-03	8:10
2. Received By: STL	9-9-03	09:00
3. Received By:		

Comments: 2.8°C

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

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Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultatns	Project Manager: Robert Napieralski	Date: 9-9-03	Chain of Custody Number: 135390
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Asp 8 VOCs	Asp 8 SVOCs	Asp 8 PCB/Pest	Asp TAL Metals	Asp - CN	Asp - PCBs	Special Instructions/ Conditions of Receipt
FS-Micro01-D68-S-O	9-9-03	9:45a				X	1 4oz						X						
FS-Micro01-D610-S-O		9:45a				X	1x 16oz							X	X	X	X		
FS-SP02-D24-S-O		8:30a				X	1x 4oz						X	##					chain SVOCs is mistake (TM)
FS-SP02-D26-S-O		8:30a				X	1x 16oz							X	X	X	X		
FS-SP11-D810-S-O		2:15p				X	1x 4oz						X						
FS-SP11-D410-S-O		2:15p				X	1x 16oz							X	X	X	X		
FS-SP11-D1012-S-O		2:30p				X	1x 16oz									X		X	
FS-SP12-D02-S-O		1:30p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.535-S-O		12:45p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.535-S-MS		12:45p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.535-S-MSD		12:45p				X	1x4oz 1x16oz						X	X	X				} These come from Same 16oz container
FS-SP13-D0.535-S-MD		12:45p				X										X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	9/10/03	8:10	1. Received By	9/10-03	0810
2. Relinquished By	9-10-03	1000	2. Received By	9/10/03	1000
3. Relinquished By			3. Received By		

Comments: 6.0°C

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

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Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA COnsultants	Project Manager: Robert Napieralski	Date: 9-10-03	Chain of Custody Number: 135356
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: Asp 03 VOCs	Asp 03 SVOCs	Asp 03 PCB/Pest	Asp TAL Metals	Asp CN
FS-SP06-D24-S-0	9-10-03	1:15p				X	1x 4oz 1x 16oz						X	X	X	X	X
FS-SP07-D24-S-0		12:50p				X	1x 4oz 1x 16oz						X	X	X	X	X
FS-SP09-D14-S-0		10:45a				X	1x 4oz 1x 16oz						X	X	X	X	X
FS-SP21-D45-S-0		8:45a				X	1x 4oz 1x 16oz						X	X	X	X	X
FS-SP23-D14-S-0		12:20p				X	1x 4oz						X				
FS-SP23-D14-S-0		12:20p				X	1x 4oz							X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/11/03	8:50am	1. Received By	9-11-03	0850
2. Relinquished By	9-11-03	0925	2. Received By	9/11/03	0925
3. Relinquished By			3. Received By		

Comments: 20 2.0

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

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Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA COnsultants	Project Manager: Robert Napieralski	Date: 9-10-03	Chain of Custody Number: 135355
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): FOrmer Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: App IX VOC	App IX SVOC	App IX RCRA/Part	Rad TAL Metal	Asb - ND	Special Instructions/ Conditions of Receipt
FS-SPXX-RB	9-10-03	2:15p		X			4 1L A		1A 1L HNO3	2A 1L HCl	1A 1L NaOH		X	X	X	X	X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/11/03	8:50am	1. Received By T.	9-11-03	0850
2. Relinquished By T. Sulkes	9-11-03	0925	2. Received By	09/11/03	0925
3. Relinquished By			3. Received By		

Comments

2 A 2.0

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

106\107

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, In

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-11-03	Chain of Custody Number: 135391
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax:(716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): FOrmer Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP-CO-VOCs	ASP-CO-SVOCs	ASP-CO-PCB/Pest	ASP TAL Metals	ASP CN	ASP PCB's 8082	Special Instructions/ Conditions of Receipt
FS-EMC01-SED-0	9-11-03	2:15p			X			1x4oz 1x16oz						X	X	X	X	X		ASP Category B Deliverable
FS-Bldg D-Dup B-SED-0		10:45a			X			1x4oz 1x16oz						X	X	X	X	X		
FS-SSO1-CC-0		12:00p					X	1x 8oz											X	This Sample is Concrete
FS-SSO2-SED-0		12:15p			X			1x 8oz											X	
FS-SSO3-CC-0		12:30p					X	1x 8oz											X	This Sample is Concrete
FS-Bldg D-Felt-0		10:00a					X	3x4oz 2x16oz						X	X	X	X	X		There are 2x16oz jars & 2x16oz jars unpreserved
FS-Bldg C-Trench-SED-0		11:45a			X			1x4oz 1x16oz						X	X	X	X	X		
FS-Bldg E-Sump-SED-0		9:30a			X			1x4oz 1x16oz						X	X	X	X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: K. Orlikowski	9-12-03	8:00
2. Relinquished By: T. Sidorski	9-12-03	0900
3. Relinquished By		

	Date	Time
1. Received By: T. Sidorski	9-12-03	080
2. Received By: STL	9-12-03	09:0
3. Received By		

Comments: 2@ 5.0°C

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

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APPENDIX H

CHAIN OF CUSTODY FORMS

Chain of Custody Record

SEVERN TRENT SERVICES Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	TVGA Consultants
Address	1000 Maple Road
City	Elma
State	NY
Zip Code	14059
Project Name and Location (State)	Former Flint-Kote Site
Contract/Purchase Order/Quote No.	
Project Manager	Robert Napieralski
Telephone Number (Area Code)/Fax Number	(716) 655-8842 Fax (716) 655-0937
Site Contact	James Manzella
Lab Contact	Ryan Van Dette
Carrier/Waybill Number	
Date	9-8-03
Chain of Custody Number	135389
Lab Number	
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP-00-VOCs	ASP-00-SVOCs	ASP-00 PCB/Pest	ASP-TAL Metals + CN	Special Instructions/ Conditions of Receipt
FS-SP03-D04-S-0	9-8-03	1:15p				X	1x4oz 1x16oz						X	X	X	X	There is 1x4oz for VOC for each sample + 1x16oz for each
FS-SP16-D812-S-0	↓	10:30a				X	↓						X	X	X	X	sample for SVOC, PCB/Pest
FS-SP19-D48-S-0	↓	8:45				X	↓						X	X	X	X	+ TAL Metals + CN

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: R. Napieralski	9/9/03	5:10	1. Received By: [illegible signature]	9-9-03	6:10
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: IVGA Consultants	Project Manager: Robert Napieralski	Date: 9-4-03	Chain of Custody Number: 135390
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma; State: NY; Zip Code: 14059	Site Contact: James Manzella; Lab Contact: Ryan Van Dette		
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): ASP 00 VOCs	ASP00 SVOCs	ASP00 PCB/Pest	ASP-TAL Metals	ASP-CN	ASP-PCBs	Special Instructions/ Conditions of Receipt
FS-Micro01-D68-S-0	9-4-03	9:45a				X	1x4oz						X						
FS-Micro01-D610-S-0		9:45a				X	1x4oz							X	X	X	X		
FS-SP02-D24-S-0		8:30a				X	1x4oz						X	[illegible]					chain says [illegible]
FS-SP02-D26-S-0		8:30a				X	1x4oz							X	X	X	X		
FS-SP11-D810-S-0		2:15p				X	1x4oz						X						
FS-SP11-D410-S-0		2:15p				X	1x4oz							X	X	X	X		
FS-SP11-D1012-S-0		2:30p				X	1x4oz									X		X	
FS-SP12-D02-S-0		1:30p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.53.5-S-0		12:45p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.53.5-S-MS		12:45p				X	1x4oz 1x16oz						X	X	X	X	X		
FS-SP13-D0.53.5-S-MSD		12:45p				X	1x4oz						X	X	X				} These come from same 16oz container
FS-SP13-D0.53.5-S-MD		12:45p				X	1x16oz									X	X		

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ **7 Days** ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: J. Manzella	9/10/03	8:10	1. Received By: T. Ladzinski	9-10-03	0810
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	9-10-03	135356
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8642 Fax (716) 655-0931		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: ASP-Ox VOCs	ASP Ox SVOCs	ASP Ox RCRA Pest	ASP TAL Metals	ASP CN
FS-SP01-D04-S-0	9-10-03	1:15p				X	1x4oz 1x16oz						X	X	X	X	X
FS-SP07-D24-S-0	↓	12:50p				X	1x4oz 1x16oz						X	X	X	X	X
FS-SP09-D14-S-0		10:45a				X	1x4oz 1x16oz						X	X	X	X	X
FS-SP21-D45-S-0		8:45a				X	1x4oz 1x16oz						X	X	X	X	X
FS-SP33-D14-S-0		12:20p				X	1x4oz						X				
FS-SP23-D14-S-0		12:20a				X	1x4oz							X	X	X	X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/11/03	8:30am	1. Received By: [signature]	9.11.03	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Field	Entry
Client	TVGA Consultants
Address	1000 Maple Road
City	Elma
State	NY
Zip Code	14059
Project Name and Location (State)	Former Flint-Kote Site
Contract/Purchase Order/Quote No.	
Project Manager	Robert Napieralski
Telephone Number (Area Code)/Fax Number	(716) 655-8842 fax (716) 655-0937
Site Contact	James Manzella
Lab Contact	Ryan Van Dette
Carrier/Waybill Number	
Date	9-10-03
Lab Number	
Chain of Custody Number	135355
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Matrix:	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis: ASP00 VOC	ASP00 SVOC	ASP00 PCB/Pest +	ASP TAL Metals	ASP CN	Special Instructions/ Conditions of Receipt
FS-SPXX-RB	9-10-03	2:15p		X				N/A		[illegible]	[illegible]	[illegible]			X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	9/11/03	8:50am	1. Received By: [signature]	9-11-03	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-11-03	Chain of Custody Number: 135391
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax: (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Elmint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Water	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: ASP Ca VOCs	ASP Ca SVOCs	ASP Ca PCB/Pest	ASP TAL Metals	ASP CN	ASP Ca PCBs 8082
FS-EM01-SED-0	9-11-03	2:15p			X			1x4oz 1x16oz						X	X	X	X	X	
FS-Bldg D-Dup B-SED-0		10:45a			X			1x4oz 1x16oz						X	X	X	X	X	
FS-SS01-CC-0		12:00p					X	1x 8oz											X
FS-SS02-SED-0		12:15p			X			1x 8oz											X
FS-SS03-CC-0		12:30p					X	1x 8oz											X
FS-Bldg D-Felt-0		10:00a					X	2x4oz 2x16oz						X	X	X	X	X	
FS-Bldg C-Trash-SED-0		11:45a			X			1x4oz 1x16oz						X	X	X	X	X	
FS-Bldg E: Sump-SED-0		9:30a			X			1x4oz 1x16oz						X	X	X	X	X	

Special Instructions/ Conditions of Receipt: Asp. Category B Deliverable

This sample is Concrete

This sample is Concrete

Two 2x4oz jars unpreserved Felt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: R. Olkowski	9-12-03	8:00	1. Received By: T. Sidney Li	9-12-03	1000
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-11-03	Chain of Custody Number: 135397
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: ASP 00 - VOA	ASP 00 - SVOA	ASP 00 - PCB/Pest	ASP - TAL Metals	ASP - CN
FS-EMC01-SW-0	9-11-03	2:00p		X			4x 1L-A		8x 4oz HNO3	2x 40ml HCl	1x 4oz NaOH		X	X	X	X	X
FS-BLD-Dup-SW-0		10:45a		X			4x 1L-A		8x 4oz HNO3	2x 40ml HCl	1x 4oz NaOH		X	X	X	X	X
FS-TRIP01		2:30p		X									X				

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

1. Relinquished By: R Napieralski	Date: 9/11/03	Time: 8:00	1. Received By: T. Jackson	Date: 9-12-03	Time: 0800
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments:

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napierala	9-16-03	135399
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 Fax (716) 655-0937		

City	State	Zip Code	Site Contact	Lab Contact
Elma	NY	14059	James Hanzella	Ryan Van Dette

Project Name and Location (State)	Carrier/Waybill Number
Former Flint-Kidde site	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Disp. Cyanide	Disp. PCB/Pest	Disp. TAL Metals	Disp. T-CN
FS-SSXX-RB	9-16-03	10:30		X			4x NA		4x		4x		X	X	X	X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/17/03	9:25	1. Received By	9-17-03	0920
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	9-17-03	135392
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 FAX (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ALPHA SVOCs	ASP 8270 TCL	ASP TAL Metals	TCLP	Special Instructions/ Conditions of Receipt
FS-SS05-S-O	9-17-03	8:30a				X	1x 8oz						X	X	X	X	ASP Category B
FS-SS05-S-MS	↓	8:30a				X	1x 4oz						X	X	X	X	Quantitable.
FS-SS05-S-MSD	↓	8:30a				X	1x 4oz						X	X			← These (2) were on from the same Kor Jar of the
FS-SS05-S-MD	↓	8:30a				X									XX		← MD is Metals

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	9/18-03	5.00	1. Received By	9-18-03	5:00
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
IVGA Consultants	Robert Napolski	9-18-03	135393
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 Fax (716) 655-0937		

City	State	Zip Code	Site Contact	Lab Contact
Elma	NY	14059	James Manzella	Ryan Van Dette

Project Name and Location (State)	Carrier/Waybill Number
Former Kimt-Rite Site	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Aroclors Waters	Aroclors Soil	Aroclors RCRA+	TAL Metals	Arsenic Only
FS-SS11-S-0	9-18-03	4:45p				X	1x 16oz							X	X	X	X
FS-SS12-S-0	9-18-03	5:15p				X	1x 16oz							X	X	X	X
FS-MW03RK-01415.5-S-0	9-15-03	3:30p				X	1x 16oz						X				

Special Instructions/ Conditions of Receipt: ASP Category B Deliverables

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Heidi Hand	9/19/03	9:10am	1. Received By: T. Sudowski	9-19-03	0925
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-24-03	Chain of Custody Number: 135358
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 Fax (716) 655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 624 VOCs	ASP 625 SVOCs	ASP Ca RB/Rs+	ASP 60 TAL/TAL	RSK-175 CH4	Special Instructions/ Conditions of Receipt
FS-355001-RB	9-24-03	2:30p		X			4/1L		1-1:1 HNO3	2-1:1 HCl	3-1:1 NaOH		X	X	X	X	X	
FS-TRIP02	9-24-03	2:30p		X						2-1:1 HCl			X					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: A Goldrick	9/26/03	7:15	1. Received By: STL	9-26-03	09:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments:

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Nowalski	9-16-03	135398
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-0842 FAX (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Clina / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flintkote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 8260-VOCs	ASP 8270 SVOCs	ASP 8270-TCLP	ASP TAL Metals	ASP TCN	Special Instructions/ Conditions of Receipt
FS-SS02-S-0	9-16-03	1:25p				X	1x 16oz							X	X	X	X	ASP Cat. per V.B. deliverables
FS-SS04-S-0		1:30p				X	1x 16oz							X	X	X	X	
FS-SS01-S-0		9:10a				X	1x 16oz							X	X	X	X	
FS-SS10-S-0		9:15a				X	1x 16oz							X	X	X	X	
FS-MW108-034-S-0		4:00p				X	1x 4oz						X					
FS-MW108-025-S-0		4:00p				X	1x 16oz							X	X	X	X	
FS-MW108-068-S-0		4:15p				X	1x 4oz 1x 16oz						X	X	X	X	X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: A. Paul	9/17/03	9:20	1. Received By: T. Sidorski	9-17-03	0920
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	9-24-03	135357
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kolle Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: ASP 8260 VOCs	ASP 8270 SVOCs	ASP 8081 PCB/Pest	ASP-TAL Metals	ASP TCN
FS-MW05OB-D24265-0	9-24-03	11:30				X	1 x 40z						X				
FS-MW05OB-D24265-0	9-24-03	11:30				X	1 x 1qt							X	X	X	X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: R. Napieralski	9/25/03	9:15	1. Received By: STL	9-26-03	09:15
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: TVGA Consultants	Project Manager: Robert Napieralski	Date: 9-25-03	Chain of Custody Number: 135359
Address: 1000 Maple Road	Telephone Number (Area Code)/Fax Number: (716) 655-8842 fax (716)655-0937	Lab Number:	Page 1 of 1
City: Elma / State: NY / Zip Code: 14059	Site Contact: James Manzella	Lab Contact: Ryan Van Dette	
Project Name and Location (State): Former Flint-Kote Site	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.:			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Asp-08 VOCs	Asp-10 SVOCs	Asp-TAL Metals	Asp-TCL Pest/PCBs	Asp-TCL	Asp-TCL (N)
FS-MW03B-080-S-0	9-25-03	4:20p				X	1 x 4oz Glass						X	X	X	X		X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: K. Wierzbicki	9/26/03	9:15	1. Received By: STL	9-26-03	09:15
2. Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments:

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

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	10-2-03	135366

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
1000 Maples Road	(716) 655-8842 Fax (716) 655-0937		Page 1 of 1

City	State	Zip Code	Site Contact	Lab Contact
Elma	NY	14059	James Manzella	Ryan Van Dette

Project Name and Location (State): Former Flint-Kote Site

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.:

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Matrix: Aqueous	Matrix: Sed.	Matrix: Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	ASP-00-VOCs	ASP00-SVOCs	ASP00-Pest/PCBs	ASP-TAL-M Totals	ASP-TAL-M-Dissolved	ASP-T CN	Special Instructions/ Conditions of Receipt
																			H—
FS-MW02RK-GW-O	10-2-03	10:00a		X			4x 1LA		3x 8oz	2x 40ml	1x 4oz		X	X	X	X	H	X	Hold all Dissolved
FS-MW02RK-GW-MS		10:00a		X			4x 1LA		1x 8oz	2x 40ml	1x 4oz		X	X	X	X		X	Metal samples until
FS-MW02RK-GW-MSD		10:00a		X			4x 1LA			2x 40ml			X	X	X				Client Notification
FS-MW02RK-GW-MD		10:00a		X					1x 8oz		1x 4oz					X		X	
FS-MW07RK-GW-O		11:45a		X			4x 1LA		2x 8oz	2x 40ml	1x 4oz		X	X	X	X	H	X	
FS-MW02OB-GW-O		12:45p		X			4x 1LA		2x 8oz	2x 40ml	1x 4oz		X	X	X	X	H	X	
FS-MW03RK-GW-O		2:20p		X			4x 1LA		2x 8oz	2x 40ml	1x 4oz		X	X	X	X	H	X	
FS-MW01OB-GW-O		3:15p		X	TJM		4x 1LA		2x 8oz	2x 40ml	1x 4oz	TJM	X	X	X	X	H	X	
FS-MW01RK-GW-O		4:15p		X			[illegible]		1x 8oz	2x 40ml	1x 4oz		X	[illegible]		X		X	No SVOCs under this line
FS-MWXX-GW-FD		3:00p		X			4x 1LA		1x 8oz	2x 40ml	1x 4oz		X	X	X	X		X	
FS-TRIP03	↓	4:30p		X						2x 40ml			X						
FS-MW01RK-GW-O		6:15p		X			2x 1LA							X					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify):

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	10/3/03	9:40	[signature] STL	10-3-03	09:40
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments:

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

Chain of Custody Record

SEVERN TRENT SERVICES — **Severn Trent Laboratories, Inc.**

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	9-15-03	135396
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-0842 Fax (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote site			
Contract/Purchase Order/Quote No.			

Special Instructions/ Conditions of Receipt: ASP. Category B deliverables

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/ NaOH	Other	Analysis: ASP 03 SVOC	ASP 03 PCB/Pest	ASP TAL Me	ASP TCN
FS-SS01-S-0	9-15-03	1:25p				X	1							X	X	X	X
FS-SS02-S-0	"	1:25p				X	1							X	X	X	X
FS-SS06-S-0	"	11:02a				X	1							X	X	X	X
FS-SS07-S-0	"	10:30a				X	1							X	X	X	X
FS-SS08-S-0	"	10:20a				X	1							X	X	X	X

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	9-16-03	1:50	1. Received By	9-16-03	0250
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

Chain of Custody Record

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
TVGA Consultants	Robert Napieralski	10-3-03	135368
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1000 Maple Road	(716) 655-8842 fax (716) 655-0937		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Elma / NY / 14059	James Manzella	Ryan Van Dette	
Project Name and Location (State)	**Carrier/Waybill Number**		
Former Flint-Kote Site			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Aspos - VOCs	Aspos - SVOCs	Aspos - PCB/Pest	ASP TAL Me - Totals	Asp - TAL Me Dissolved	Asp - TCL	Special Instructions/ Conditions of Receipt
FS-MW06-MICRO-GW-0	10-3-03	10:15a							1x 2oz 2x 2oz 1x 40z				X			X		X	H = Hold all TAL-Dissolved metals until client notification
FS-MW06-MICRO-GW-0		1:00p					1x 1LA							X					
FS-MW06-MICRO-GW-0		2:30p					1x 1LA								X				
FS-MW06RK-GW-0		11:45a					4x 1LA		4x 8oz	3x 40ml	1x 40z		X	X	X	X	H	X	
FS-MW05RK-GW-0		2:00p					4x 1LA		1x 8oz	2x 40ml	1x 40z		X	X	X	X		X	
FS-MW01RK-GW-0		2:30p					2x 1LA								X				only 1x 1LA for SVOCs & PCB/Pest
FS-19R-F-MICRO-GW-0		3:50p					4x 1LA		2x 8oz	3x 40ml	1x 40z		X	X	X	X	H	X	
FS-19R-E-MICRO-GW-0		4:45p					2x 1LA		2x 8oz	3x 40ml	1x 40z		X	X	X	X	H	X	only 1x 1LA for SVOCs & PCB/Pest
FS-MICRO-1-GW-0		5:30p					4x 1LA		2x 8oz	2x 40ml	1x 40z		X	X	X	X	H	X	
FS-MW06-MICRO-GW-0		11:00a							1x 8oz								H		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	10-3-03	17:40	1. Received By	10/3/03	1800
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

APPENDIX I

DATA USABILITY SUMMARY REPORT

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, N. Y. 12853
Phone 518-251-4429
Facsimile 518-251-4428

December 17, 2003

James Manzella
TVGA Engineering
P. O. Box H
Elma, NY 14059

RE: **D**ata **U**sability **S**ummary **R**eport for the Former Flintkote site
STL-Buffalo SDG/Package Nos. 0908E1, 0912E1, A03-A994, 9311, and 9312

Dear Mr. Manzella:

Review has been completed for the data packages generated by Severn Trent Laboratories that pertain to samples collected 09/08/03 through 10/03/03 at the Former Flinkote site. Sixteen aqueous samples and seventeen soil samples were analyzed for full ASP CLP TCL/TAL analytes; eleven of these were also analyzed for eight dissolved metals. Seventeen soils were analyzed for all TCL/TAL except volatiles. Four soil samples were analyzed for TCL volatiles. Four soil samples were analyzed for TCL PCBs; one of these was also processed for metals. Methodologies utilized were the 2000 NYSDEC ASP CLP and (USEPA 8082 for PCB only samples). Sample matrix spikes, and rinse and trip blanks were also processed.

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

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

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

In summary, samples were processed in general compliance with protocol, and results are primarily usable as reported, or with usable with minor edit or qualification as estimated or edit to nondetection. Apparent matrix interferences were evident in some of the metals soil results, but generally the samples show good accuracy and precision. No data are rejected.

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

The following text discusses quality issues of concern.

General/Data Completeness

Sample identification referenced within this report are prefixed with "FS-" and usually suffixed with "-O". Samples at locations of "...OB..." were reported by the laboratory as "...0B..." in many instances.

Per client authorization, the identifications of samples MW01OB, MW03OB, and MW05OB were changed at sample receipt to be MW04RK, MW06RK, and MW02OB, respectively.

Sample FS-MW04RK-GW was not entered on the custody form at sample collection, but was u-noted upon sample receipt.

The report forms for the dissolved metals in the groundwater samples show an incorrect receive date. Additionally, the case narrative for that package (A03-A994) should have addressed the fact that the mercury holding time was exceeded. These samples were authorized for analysis of eight elements.

There are two different samples submitted with the client ID of MW01RK-GW, collected 10/02/03 and 10/03/03.

The cooler containing samples FS-MW02OB-D2426-S, FS-MW02OB-D2428-S, MW06RK-D810-S, TRIP02, and 3SSPOON-RB was received at elevated temperature of 12.8 °C, and all results for those three samples are therefore qualified as estimated ("J" or "UJ"), with low bias due to potential losses. The bias for PCB and metals results is not expected to be significant.

Due to low solids content (22%), results for BLDG-D-SED are qualified as estimated ("J" and "UJ").

Rinse and trip blanks show no contamination that results in additional qualification of sample reported target analyte results. Those blank detections are either well below associated sample concentrations, are already qualified in samples due to presence in associated method blanks, or there are not detections of these analytes in associated samples.

Aqueous blind field duplicate evaluation of MW03-RK shows acceptable correlations for the full TCL/TAL analytes. No soil field duplicates were evaluated with this sampling event; laboratory duplicate correlations were generally within validation guidelines.

Resubmission communications (attached) clarify application of semivolatile dilution factors. Also attached is a memorandum regarding the custody and condition of sample MW03RK-D1415.5-S, which was transferred to the laboratory four days after collection. ASP technical holding times were met, and no qualification is required.

TCL Volatiles by ASP CLP

Results for analytes initially reported with the "E" flag are to be derived from the dilution analysis. Other results for the samples can be used from the initial analyses.

Sample BLDGD-FELT exhibited outlying responses for two of the three internal standards. The reanalysis is used, and results for the twenty nine associated analytes are qualified as estimated ("J" or "UJ").

Results for methylene chloride, acetone, 2-butanone, 4-methyl-2-pentanone, and 2-hexanone for samples in which they are flagged with "B" are considered external contamination, as evidenced by presence in associated method blanks. Those results are edited to nondetection ("U"). Other low level detected results for these two analytes should be regarded with caution, suspect as contamination.

Soil matrix spikes of SP13-D0.53.5-S and aqueous spikes of MW02RK-GW show acceptable accuracy and precision. No aqueous matrix spikes were reported; spiked blanks were acceptable.

Holding times were met and instrument tunes were within required ranges, and surrogate recoveries were acceptable. All calibrations standards show responses within validation guidelines.

Tentatively Identified Compounds (TICs) flagged as "B" by the laboratory, or identified as silanes or siloxanes are considered external contamination (indicated by presence in associated blanks), and results should be rejected as sample components.

Semivolatile Analyses by ASP CLP

Results for analytes initially reported with the "E" flag are to be derived from the dilution analysis. Other results from the samples can be used from the initial analyses.

Internal standards d12-chrysene and d12perylene produced low responses in BLDGD-FELT. Results for the twelve associated analytes are qualified as estimated ("J" and "UJ") in that sample.

The internal standard d12perylene produced low response in SS04-S. Results for the seven associated analytes are qualified as estimated ("J" and "UJ") in that sample.

Detections of bis(2-ethylhexyl)phthlate, di-n-octyphthalate, and di-n-butylphthlate that are flagged as "B" in the samples are considered external contamination (as evidenced by the presence in associated method blanks), and edited to nondetection at the CRDL. There are some exceptions that fall above the validation action level that are flagged as "B" but have not been edited. These can be used at reported value, but have been qualfied as estimated ("J"), with a high bias due to elevated associated calibration standard responses (29%D and 35%D). Other low level detections of these compounds are also suspect as being contamination.

Matrix spikes of MW02RK-GW, SS05-S, and SP13-D0.53.5-S show acceptable accuracy and precision values within recommended ranges, or elevated recoveries for analytes not detected in the project samples. The matrix spikes of SS01-S were diluted due to sample constituency and cannot undergo evaluation.

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

Calibrations standards showed responses within validation guidelines, with the following exceptions, results for which are qualified as estimated in the associated samples:

a. 2,4-dinitrophenol (32%RSD) and atrazine (31%D and 42%D) in samples in SDGs 9312 and 0912E1
b. 2,4-dinitrophenol (32%RSD) in the samples in 0908E1

Sample SP11-D410-S was run at a tenfold dilution, but shows only low level responses. Reporting limits for nondetected analytes in that sample are therefore elevated as reported.

Tentatively Identified Compounds (TICs) flagged as "B" or "A" by the laboratory are considered external contamination (indicated by presence in associated blanks), and results should be rejected as sample components.

TICs identified as PCB congeners in BLDGD-SED should not have been reported (as they are a target analyte of another fraction), and are rejected.

Some of the raw data spectra are not legible, and would require resubmission for full validation.

TCL Pesticides/PCBs by ASP CLP

The surrogate standards TCX and DCB show low recoveries (below 30%) in sample MW01OB-GW, and surrogate standard DCB shows low recoveries in samples MW02OB-GW, MW03RK-GW, MW04RK-GW, and MW06-MICRO-GW. Results for pesticides and PCBs in those samples are therefore qualified as estimated ("UJ").

Detected results for samples SP23D14-S, SP03-D04-S, SP09-D-14-S, SP21-D45-S, SS04-S, and SS10-S are qualified as estimated ("J") with a high bias due to elevated DCB recoveries. TCX recoveries in those samples were acceptable.

Results for three nondetected analytes in SS05-S are used from the 1:100 dilution due to interferences observed in the initial (1:10) analysis.

Noncompliant elevated recoveries (>110%) in the GPC cleanup do not affect associated sample reported results as they show either nondetection or are already qualified as estimated.

Samples MW020B-D2428-S and MW06RK-D810-S and the associated method blank and controls reported in SDG 9311 show low TCX recoveries (between 20% and 30%). The noncompliant recoveries in the controls indicate a procedural error. Acceptance of the data is based upon the good recoveries observed for the target analytes in the spiked blanks, indicating a spike, rather than extraction partitioning, error.

Results for detected PCBs in samples reporting more than one Aroclor mixture are qualified as estimated ("J"), with a possible high bias, due to the use of common congeners in quantitative determinations and to the inherent variance expected with combinations of mixtures.

Three samples containing high concentrations of PCBs were not reported correctly where responses correspond to pesticide detections. The reporting limits for the affected analytes have been edited during validation to reflect the elevated reporting limits mandated by the responses. There are six compounds in BLDGC-SED, one in BLDGD-SED, and five in 198-F-MICRO-GW.

Results for analytes initially reported with the "E" flag are to be derived from the dilution analysis. Other results from the samples can be used from the initial analyses.

Holding times were met and blanks show no contamination.

Matrix spike evaluation for accuracy and precision on MW02RK-GW and SP13-D0535 were acceptable. Those for SS05-S and SS06-S were diluted due to sample constituency and could not be evaluated, although three of those for the latter show good recoveries.

Results for gamma-BHC and heptachlor in SPXX-RB are qualified as estimated ("UJ"), with a low bias, due to low recoveries in the associated spiked control sample.

Many sample pesticide detections show very poor dual column quantitative correlation (indicating matrix interference), the results are either qualified as estimated ("J"), tentative in identification and estimated in value ("NJ"), or are edited to nondetection ("U") at either the CRDL or originally reported concentration.

The QC summary Form 7D for calibration standard of 10/08/03 00:11 shows incorrect entries for 4,4'DDT. The actual response was compliant. The "P" flag was misapplied to the Aroclor 1254 results for BLDC-SED and 198-F-MICRO-GW. Some of the graphic raw data output was barely legible.

TAL Metals by CLP-M

Due to delay in authorization for dissolved metals analysis, the mercury processing for those eleven samples was performed thirteen and fourteen days beyond the allowable holding time. Those results are therefore qualified as estimated ("UJ"), with a low bias.

The following samples exhibited matrix spike recoveries or duplicate correlations outside the validation action ranges, indicating either a matrix effect on recovery of analytes from the samples or a nonhomogenous matrix. Associated sample results are qualified as estimated ("J" or "UJ"):

Sample ID	Element	%Rec	%RPD	Associated Samples
SP13-D0.53.5-S	antimony	35		15 samples in 0908E1
	cadmium	65		
	copper	66		
SP19-D048-S	antimony	39		4 samples in 0908E1
	copper	202		
	manganese	280		
	selenium	54		
	thallium	67		
	zinc	46		
SPXX-RB	iron		>±CRDL	SPXX-RB
MW02RK-GW	aluminum	25		unfiltered fractions of groundwaters (SDG 9312)
	lead		>±CRDL	
SS05-S	antimony	132		5 samples in 0912E1 (detections only)
	nickel	301		
SS06-S	antimony	37		7 samples in 0912E1
	barium	69		
	copper	- 13		
MW04RK-D35-S	antimony	51		2 samples in 0912E1
	Arsenic	186		
	barium	166		
	chromium	58		
	selenium	71		
	nickel	133		
	thallium	62		
	cadmium	134	>±2XCRDL	
	mercury		>±2XCRDL	

TAL metal matrix spike evaluations of EMC01-SW, dissolved metals in MW03RK-GW, and FS-SSXX-RB show acceptable accuracy and precision.

Cyanide matrix spike and duplicate evaluations of SP13-D0.53.5-S, MW03RK-GW, and SS05-S show acceptable accuracy and precision. ICP post digest spike recoveries for almost all samples were within recommended limits.

Numerous ICP serial dilution evaluations were performed for the soils, with most samples exhibiting an apparent matrix effect producing outlying correlations. The variances from expected were generally within 15%D, so the bias is not expected to be great. It is noted that many elements within given samples show extremely consistent %D values (most just at about 11%), indicating a possible systematic procedural cause. The following outliers above 10.5%D were noted, and detected results for those analytes have been qualified as estimated in the associated samples:

Sample ID	Elements	%D	Associated Samples
SP13-D0.53.5-S	copper and zinc	36 and 16%D	7 samples in 0908E1
SP06-D24-S	aluminum, barium, chromium, copper, iron, magnesium, manganese, nickel, vanadium, zinc	up to 22%D	4 samples in 0908E1
MW020B-D2428-S	calcium, chromium ,copper, iron magnesium, manganese, nickel, vanadium, zinc	up to 14%D	2 samples A03-9311
MW06-MICRO-GW Filtered	barium, chromium, copper, iron, lead, manganese, nickel, vanadium zinc	up to 18%D	4 filt. groundwaters
SS11-S	zinc	13	2 samples in 0912E1
SS06-S	calcium, iron, manganese, nickel, zinc	up to 15%D	5 samples in 0912E1
MW04-RK-D35-S	calcium	10.8 %D	2 samples in 0912E1
SS05-S	silver	10.7 %D	5 samples in 0912E1

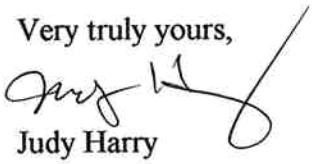
ICP serial dilution correlations for SP19-D048-S, EMC01-SED, EMC01-SW, MW02-RK, SS03-S, dissolved metals on MW03RK-GW, SSXX-RB, and SPXX-RB are acceptable.

The low level CRI standard associated with four samples in SDG 912E1 shows elevated recovery for nickel (273%). These results are already qualified estimated due to elevated recovery in the associated matrix spikes.

Some of the preparation and instrument blanks show detections above CRDL for iron or lead. All associated sample results have been confirmed as being higher than validation or laboratory action levels. A few form errors were observed on QC summary forms regarding application of laboratory flags and action levels. Validation review was performed using correct data.

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

Very truly yours,



Judy Harry

APPENDIX J

NYSDEC 2000 SITE INVESTIGATION REPORT

Site Investigation Report

Former Flintkote Plant Site
198 & 300 Mill Street, City of Lockport, Niagara County, New York

Prepared by:

New York State Department of Environmental Conservation
Division of Environmental Remediation
270 Michigan Ave
Buffalo, New York 14203-2999

Glenn M. May, CPG
Engineering Geologist I

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APPENDICES

1.0 EXECUTIVE SUMMARY

The Former Flintkote Plant Site is located at 198 and 300 Mill Street in the City of Lockport, Niagara County, New York. The total area of the property is approximately 6 acres. The Site is bordered by Eighteenmile Creek to the west, Mill Street to the east, a commercial property to the north and vacant land to the south (Figures 1-1 and 1-2). The property was formerly operated as a felt and composite laminate plant, but is now vacant and in disrepair. Residential property is located west of the Site across Eighteenmile Creek and east of the Site across Mill Street. The Site is bisected by William Street (Figure 1-2), which divides the Site into north (300 Mill Street) and south portions (198 Mill Street). This street is no longer open to vehicular traffic, but pedestrian use is common, especially by children attending the nearby DeWitt Clinton Elementary School. The topography of the site is relatively flat-lying with a steep downward slope toward Eighteenmile Creek and the millrace.

The stratigraphy of the Site was evaluated by examining the stratigraphic logs obtained from the soil borings completed during the Site Investigation. With increasing depth, the geologic units encountered include fill, glaciolacustrine silty clays and clayey silts, and bedrock of the Grimsby Formation. Fill material at the Site consists predominantly of various colored ash containing glass, coal, coke, slag, buttons, ceramic and brick. Miscellaneous wastes (i.e., felt paper, foam, grinding powder, tar) were also encountered in some of the borings and on the ground surface.

Groundwater underlying the Site is confined to the fill material and upper portion of the glaciolacustrine deposit. The upper portion of the Grimsby Formation penetrated during the Site Investigation was dry. A groundwater contour map could not be generated with the data collected during the Site Investigation; however, based upon basic hydrogeologic principles, it is suspected that groundwater underlying the Site flows toward Eighteenmile Creek and the millrace.

The results of the Site Investigation indicate that the ash disposed at the Site is a characteristic hazardous waste (D008 - lead). Although not all samples failed TCLP, the areal extent (≈3.6 acres) and volume (≈25,545 yd^3) of the ash indicate that a consequential amount of hazardous waste is present at the Site. This waste also contains semivolatile and inorganic compounds at concentrations above the Department's TAGM 4046 soil cleanup objectives. Similar contaminants have also been detected in site groundwater, and sediment in Eighteenmile Creek and the millrace adjacent to the site. These data suggest that waste at the Site has adversely impacted groundwater and sediment at and near the Site.

As the Site Investigation conducted at the Former Flintkote Plant Site revealed the presence of a consequential amount of hazardous waste (D008 - lead), it is recommended that the Site be listed in the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites in New York State. It is also recommended that Niagara County continue its efforts to restrict access to the Site.

2.0 INTRODUCTION

The Former Flintkote Plant, located at 198 and 300 Mill Street (Figures 1-1 and 1-2) in the City of Lockport, Niagara County, New York, occupies a total area of approximately 6 acres. The Site is not listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry); however, historical sampling by the Department's Division of Water (DOW) suggests that the Site is a potential source of PCBs and dioxins to Eighteenmile Creek. As a result, the Division of Environmental Remediation (DER) conducted a Site Investigation during November and December 1999, in part, to confirm the presence of hazardous waste first identified at the Site in 1996, and to determine the nature and extent of contamination resulting from this waste. The study results will also be utilized in determining whether the Site should be included in the Registry, and if so, what classification the Site should be assigned.

This report summarizes the findings of the Site Investigation. The remaining sections of this report are organized as follows:

- **Section 3.0, Site History and Background:** Section 3.0 describes the history and ownership of the Site, and previous investigative activities undertaken by the Department's Division of Water and Environmental Remediation.

- **Section 4.0, Study Objectives and Scope of Work:** Section 4.0 describes the objectives of the Site Investigation and the activities that were completed during the study.

- **Section 5.0, Geology and Hydrogeology:** Section 5.0 describes regional and Site geology and hydrogeology. The characteristics, areal extent and hydrogeologic properties of the strata are discussed.

- **Section 6.0, Investigation Results:** Section 6.0 describes the findings of the Site Investigation, including general observations and a summary of the analytical results obtained from various environmental media (i.e., waste, groundwater, surface water and sediment).

- **Section 7.0, Discussions and Conclusions:** Section 7.0 summarizes the findings of the Site Investigation as they relate to the objectives presented in Section 4.0. Conclusions drawn from the study are also discussed.

- **Section 8.0, Recommendations:** Section 8.0 discusses the Department's recommendations for future activities regarding the Site.

- **Section 9.0, References:** Section 9.0 contains a list of references utilized or cited in the report.

3.0 SITE HISTORY AND BACKGROUND

3.1 Site Description

The Former Flintkote Plant consisted of property at 198, 225 and 300 Mill Street in the City of Lockport, Niagara County, New York. Only the property at 198 and 300 Mill Street (the Site), which occupies a total area of approximately 6 acres, was included in the Department's 1999 Site Investigation. The Site is bordered by Eighteenmile Creek to the west, Mill Street to the east, a commercial property to the north and vacant land to the south (Figure 1-2). The property was formerly operated as a felt and composite laminate plant, but is now vacant and in disrepair. Residential property is located west of the Site across Eighteenmile Creek and east of the Site across Mill Street. The Site is bisected by William Street (Figure 1-2), which divides the Site into north (300 Mill Street) and south portions (198 Mill Street). William Street is no longer open to vehicular traffic, but pedestrian use is common, especially by children attending the nearby DeWitt Clinton Elementary School.

As shown in Figure 1-2, Eighteenmile Creek is diverted westward from its apparent natural course for approximately 300 feet along William Street by a dam approximately ten feet high. William Street is located on top of this dam. The creek then continues northward through cross-culverts beneath William Street to return to its original natural channel farther downstream. A pair of sluice gates are located at the east end of the dam and formerly allowed water from Eighteenmile Creek to enter a millrace. Records indicate that the sluice gates have been closed for approximately twenty years. Soil dumped into the millrace behind the sluice gates partially blocks the flow from the creek into the millrace. The millrace runs along the west side of the buildings at 300 Mill Street and empties into Eighteenmile Creek approximately 600 feet downstream (Figure 1-2). A second diversion east of the sluice gates, at the southwest corner of Building A (Figure 1-2), apparently leads into the building. Records indicate that a water turbine was once located there, but the inlet and outlet portals were plugged with masonry some time ago. Along the west side of Building A, approximately 40 feet north of the southwest corner, a noticeable stream of water flows from what appears to have been the turbine outlet portal and enters the millrace. The millrace now contains a sluggish stream approximately six inches to one foot deep; field observation indicates that the sources of this stream are the apparent leakage from the water turbine outlet portal and the sluice gates, and the backflow of Eighteenmile Creek at the downstream confluence.

The island between the creek and the millrace and the area surrounding the buildings at 300 Mill Street received various wastes, refuse and debris over the years, and much of these wastes are visible at the surface and along the embankments of the millrace. The property at 198 Mill Street also received various

wastes, which are visible at the surface and along the embankments of Eighteenmile Creek.

The Former Flintkote Plant Site is located in the Ontario Basin of the Erie-Ontario Lowlands Physiographic Province. This province is characterized by a thick sequence of rock formations consisting predominantly of sandstones, shales, dolostones, and limestones from the Silurian and Devonian Periods (La Sala, 1968; Woodward-Clyde, 1993). The Erie-Ontario Lowlands are characterized by low topographic relief, the result of erosion and deposition of sediments adjacent to lakes Ontario and Erie. The Site is located immediately east of the Niagara Escarpment, which presents the most topographic relief in the area. The escarpment trends north-south at this location and rises approximately 120 feet. The topography of the Site is relatively flat-lying with steep downward slopes toward Eighteenmile Creek and the millrace. Site topography, however, has been significantly altered by waste disposal activities.

The climate of the area is characterized as humid continental (Bechtel, 1993). While wide seasonal swings in temperature are characteristic of this climate, lakes Erie and Ontario moderate the temperature in western New York. The mean annual temperature of the Buffalo area is 48°F (9°C), with temperatures of 90°F (32°C) and above infrequent (Bechtel, 1993; NOAA, 1996). During the spring months, cold lake waters limit warming of the atmosphere over adjacent land masses, which delays typical spring conditions until late May or early June (NOAA, 1996). Summer comes suddenly in mid-June. During the autumn months, lake waters cool more slowly, thereby serving as a heat source that moderates cooling of the atmosphere at night (Bechtel, 1993). Snow flurries off the lake begin in mid-November or early December (NOAA, 1996), and typically last into March.

3.2 Site History

Flintkote began operations as a manufacturer of felt and felt products in 1928, when the property was purchased from the Beckman Dawson Roofing Company. In 1935, Flintkote began production of sound-deadening and tufting felt for ultimate installation and use in automobiles. Manufacturing of this product line was continued at Flintkote until December, 1971, when operations ceased and the plant closed. It is also believed that Flintkote manufactured composite laminates similar to those produced at the Former Spaulding Composites Company, in Tonawanda, New York. Such material was observed in the southernmost demolished building on the 300 Mill Street Property.

Since 1973, portions of the original Flintkote Property have been sold to the following individuals or firms:

300 Mill Street:

From March 22, 1973 to April 11, 1977: Frank Davis Company and Mr. Charles DiCarlo;
From April 12, 1977 to May 31, 1977: Mr. James L. Fox;
From June 1, 1977 to July 13, 1988: Thomas E. Carter Trucking Company;
From July 14, 1988 to August 1999: Mr. Terrance J. Gleave.
From August 1999 to date: Niagara County

198 Mill Street:

From March 22, 1973 to January 4, 1975: Frank Davis Company;
From January 5, 1975 to November 8, 1987: River Salvage Company;
From November 9, 1987 to November 18, 1987: City of Lockport;
From November 19, 1987 to August 1999: Mr. Ronald Lovewell.
From August 1999 to date: Niagara County

225 Mill Street:

From March 12, 1975 to June 18, 1990: Arthur H. Hilger;
From June 19, 1990 to February 20, 1995: Arthur E. Hilger;
From February 21, 1995 to date: CJM Incorporated.

When Mr. DiCarlo and Frank Davis Company owned portions of the Flintkote property, the useable machinery in the buildings at 300 Mill Street was apparently removed and sold. Also during this time, the electrical transformers were allegedly drained of their cooling oils, which were then discharged directly to either the creek or millrace. It is possible that these oils contained PCBs.

The portion of the property consisting of Building A and its surrounding area was formerly listed as Site No. 932072 in the Registry and assigned a Classification Code of 3. This classification is given to sites that do not present a significant threat to public health or the environment and that further action can be deferred. The basis for listing the site in the Registry was the presence of seven drums containing sweepings, solid materials and PCB transformer oil stored in the basement of Building A. During an inspection of the Site on May 12, 1983 as part of a Phase I Investigation, the drums were observed to be stored in accordance with federal regulations. Analyses of the waste oil (March 1983) indicated that none of the oil contained more than 2 ppm of PCBs. In January 1984 the Thomas E. Carter Trucking Company, at the time the owner of the property, had these drums removed from the Site by a waste oil processor. As a result of this action the Site was removed from the Registry in 1985.

In 1989, the City of Lockport Building Inspection Department reported that a number of drums containing chemicals were found in various locations throughout the buildings at 300 Mill Street. Subsequent investigation revealed that 28 of these drums contained hazardous wastes. These drums were

disposed off site in May, 1991 by a DEC Drum Removal Action.

Limited investigation has been completed at the island, millrace and Eighteenmile Creek. Sampling and analysis of sediments from two locations in the millrace, and ash from two locations on the island were included in an April 1996 DEC study entitled "Trackdown of Chemical Contaminants to Lake Ontario from New York State Tributaries". This study indicated that there are significant concentrations of PCBs, specifically Arochlor 1242, in the sediment of the millrace. Mercury, dioxins and furans were detected in both ash samples. As a result, the Former Flintkote Plant Site has been cited by the Division of Water as a potential source of PCBs and dioxins to Eighteenmile Creek. Sediment and waste samples were also collected by DER in August 1996. These analyses confirmed the presence of PCBs in the millrace sediment; the two ash samples collected from the island failed the TCLP Regulatory Limit for lead. The findings and conclusions of the April 1996 study and the results of the August 1996 sampling event indicated the need to conduct additional investigation at the Site.

In August 1997 the Department prepared an Immediate Investigation Work Assignment (IIWA) work plan to conduct such a study. Shortly thereafter the City of Lockport began studying the option of acquiring the Flintkote property for purposes of evaluating the Site under the Department's Brownfield Program. As a result, the IIWA investigation was never conducted. When the City of Lockport decided not to acquire the property, the Department moved forward to conduct the investigation previously proposed, but to expand the scope of work to include the entire former Flintkote property. That investigation is the subject of this report.

4.0 STUDY OBJECTIVES AND SCOPE OF WORK

4.1 Objectives

The purpose of the Site Investigation was to obtain information sufficient to determine if the Former Flintkote Plant Site should be included in the Registry, and if so, what the appropriate Site classification should be. The specific objectives of the site investigation are summarized as follows:

- confirm the presence of hazardous waste at the site, and if present, to determine whether there is a consequential amount;
- determine the areal extent of the waste;
- determine the degree to which the waste has contaminated groundwater; and
- further evaluate the extent of sediment contamination as documented by the Department's Division of Water.

These objectives were determined through the analysis of waste, subsurface soil, sediment and water samples obtained from soil borings, monitoring wells, Eighteenmile Creek and the millrace.

4.2 Scope of Work

To meet the study objectives, the following activities were completed during the Site Investigation: (1) a soil boring program, (2) monitoring well installation, (3) water level measurements, (4) collection of environmental samples for chemical analysis, and (5) preparation of a site map. These activities are briefly described in the following sections. All field work was conducted in level D personal protective equipment, while air monitoring for organic vapors was completed during intrusive activities by DEC personnel utilizing Department owned equipment. The direct push vehicle and sampling equipment were deconed prior to the implementation of field activities, with the sampling equipment decontaminated between samples.

4.2.1 *Soil Boring Program*

To confirm the presence of hazardous waste at the Site and to determine the areal extent of the waste materials present, thirty-two (32) borings through the waste into the underlying native soils and bedrock were completed utilizing the direct push technique. The locations of these borings are shown on Figure 4-1, while the stratigraphic logs are included as Appendix A. Continuous macro core samples were collected through

the waste with one sample collected from the underlying soil or bedrock. Discrete samples (Figure 4-2) were collected based upon visual observations and/or air monitoring results of the macro core samples and submitted to a contract laboratory for chemical analysis. Ground surface elevation at each boring location was subsequently surveyed by DEC personnel utilizing Department owned equipment.

4.2.2 *Monitoring Wells*

Six (6) soil borings were converted into monitoring wells to determine groundwater flow patterns and to determine whether contamination is migrating from the Site. The locations of these wells are shown on Figure 4-3. The wells are constructed of 1" diameter threaded/flush joint Schedule 80 PVC screen and riser with appropriate sand pack, bentonite seal and grout. The wells were constructed with a minimum 3' stickup. Specific details concerning well construction is included in Appendix A. Following construction, the wells were developed in accordance with standard DEC well development protocols by DEC personnel utilizing Department owned equipment. Once development was complete, samples were collected from each well and submitted to a contract laboratory for chemical analysis. Monitoring well elevations were subsequently surveyed by DEC personnel utilizing Department owned equipment.

4.2.3 *Water Level Measurements*

Water levels were measured five (5) times in the newly constructed wells from November 18, 1999 through December 21, 1999. One additional round of water levels was collected on May 16, 2000 during surveying activities. Water level measurements for Eighteenmile Creek were also obtained during the Site Investigation. The water level data obtained during this study were utilized to evaluate groundwater flow patterns across the Site.

4.2.4 *Sediment and Surface Water Samples*

Since seven sediment samples (Figure 4-2) were collected from the Site in October 1995 and August 1996 for chemical analysis, no additional sediment samples were collected during the Site Investigation, although the results from those samples are incorporated into this report. Only one surface water sample for chemical analysis was collected from an unknown source of water from 300 Mill Street where it discharged into the millrace.

4.2.5 *Waste Samples*

In addition to the waste samples collected during the soil boring program, three (3) additional waste samples were collected from the Site in December 1999 (Figure 4-2). These samples included ash from

within a concrete containment area below a vent pipe; a viscous, grease-like material inside an on-site building; and a black, hard, tar-like material on the ground surface of portions of the island.

4.2.6 *Sampling and Sample Analysis*

With the exception of the macro core samples described in Section 4.2.1, all sampling was completed by DEC staff utilizing Department owned equipment. Sample analysis was completed by Severn Trent Laboratories, Inc. in Amherst, New York, a DEC contract laboratory. Specific conductance, pH, Eh, temperature and turbidity of water samples were measured in the field at the time of sample collection.

4.2.7 *Mapping*

A map of the Former Flintkote Plant Site was prepared by Department personnel using the AutoCAD LT 97 Software Program. The area mapped included the entire site boundaries; site buildings; the water tower; a concrete sidewalk at 198 Mill Street; the shoreline of the island, millrace, and Eighteenmile Creek in the vicinity of the Site; all soil boring and monitoring well locations; and the locations of all samples collected as part of the Site Investigation, including the nine sediment and waste samples from the August 1996 DEC sampling event.

5.0 GEOLOGY AND HYDROGEOLOGY

Site Investigation activities were undertaken, in part, to establish the characteristics, areal extent and hydrogeologic properties of the strata underlying the Former Flintkote Plant Site. This is important as these attributes of the geologic strata govern the occurrence and flow of groundwater across the Site. These attributes, however, also govern the potential for contaminant migration from the Site, and determine the rate and extent of this migration. As a result, a detailed evaluation of the geology at the Former Flintkote Plant Site is essential. Before completing such a detailed evaluation, however, it is important to first describe the regional geologic history of the western New York area as a general knowledge of this history is critical to a complete understanding of the complex interrelationships between the various geologic strata and their hydrogeologic properties.

5.1 Regional Geology

5.1.1 *Surficial Geology*

Geologic evidence suggests that at least four major glacial episodes covered parts of North America during the Pleistocene Epoch (Buehler and Tesmer, 1963). In western New York, however, there is evidence of only two such episodes. The last glacial event in the area, the Wisconsin, eroded and modified the earlier glacial deposits to such an extent that little evidence of their existence remains. These glacial events also resulted in the widening of preexisting valleys and basins, and led to the development of the present day drainage system in western New York (La Sala, 1968).

A complex sequence of proglacial lakes that formed during the final retreat of the Wisconsin ice sheet inundated an extensive area of western New York. This succession originated in the Erie-Huron Basin prior to 14,000 years ago as the ice sheet retreated from the basin. Further retreat produced Lake Arkona about 13,600 years ago (Hough, 1958); a readvance of the ice sheet followed about 13,000 years ago and resulted in a water level increase to the Lake Whittlesey stage. A series of advances and retreats over the next 300 years produced, from latest to earliest, lakes Warren, Wayne, Lowest Warren, Grassmere, Lundy and Tonawanda, the last forming about 9,800 years ago (Calkins and Brett, 1978) and having an outlet in the Lockport area. To the north, Lake Iroquois occupied the Ontario Basin at this time. This lake sequence was responsible for the deposition of stratified lacustrine clays, silts, sands and gravels that now cover much of western New York.

The Pleistocene Epoch presented a variety of environments that resulted in the deposition of unconsolidated deposits. In the Lockport area these deposits include the following (GZA, 1987; Smith,

1990; Ecology and Environment, 1991):

- Glacial till, consisting of a non-sorted, non-stratified mixture of sand, silt, clay, gravel and rock fragments deposited directly from glacial ice;

- Glaciolacustrine deposits, consisting primarily of silt, sand and clay deposited in lakes that formed during melting of the ice sheets; and

- Glaciofluvial deposits, consisting of sand and gravel deposited either by glacial meltwater streams or by the reworking of till and other glacial deposits along the shore of former glacial lakes.

The thickness of these deposits in the Lockport Area varies considerably, ranging from less than 2 feet near the Niagara Escarpment to approximately 45 feet at the Frontier Pendleton Quarry Site approximately 8 miles southwest of the Former Flintkote Plant Site (Golder, 1989).

5.1.2 *Bedrock Geology*

The bedrock underlying western New York is characterized as a thick sequence of shales, sandstones, limestones and dolostones deposited in ancient seas during the Silurian and Devonian Periods (Buehler and Tesmer, 1963). This stratigraphic sequence is summarized in Table 5-1. Bedrock bedding generally strikes in an east-west direction, approximately paralleling the Niagara and Onondaga Escarpments, and dips to the south at approximately 30 to 40 feet per mile (Johnson, 1964; La Sala, 1968; Yager and Kappel, 1987). Erosion and weathering, however, have produced local differences in the bedrock surface configuration (Snyder Engineering, 1987).

The uppermost bedrock formation underlying the Lockport area immediately north of the Niagara Escarpment is the Grimsby Formation of the Medina Group, which was deposited in a shallow sea environment during the Early Silurian Period. The Grimsby Formation is divided into an upper and lower unit, with the Upper Grimsby consisting of "red and white mottled, fine- to medium-grained sandstone and conglomerate interbedded with shales; the ratio of sandstone to shale increases upward to the contact with the Thorold Sandstone" (Brett et al., 1995, page 20). The Upper Grimsby is very fractured (EA Science and Technology, 1988). The lower unit of the Grimsby Formation consists of an interbedded sequence of red and green sandstone, siltstone and shale. Brett et al. (1995) report that the Grimsby Formation varies in

thickness from 49.3 to 72 feet; however, the thickness of this formation near the former Norton Lab Site (Registry No. 932029) on Mill Street is approximately 27 feet (EA Science and Technology, 1988).

5.2 Site Geology

The stratigraphy of the Former Flintkote Plant Site has been evaluated by examining the stratigraphic logs obtained from the soil borings completed during the Site Investigation. The locations of these borings are shown on Figure 4-1, while the stratigraphic logs are included as Appendix A.

5.2.1 *Fill*

Fill material overlies the native deposits throughout most of the Former Flintkote Plant Site, with only two soil borings (SB-4 and SB-9) not encountering fill material. Such material is also absent on the island west of boring SB-4 and north of boring SB-9 to the tip of the island. Fill material consists predominantly of various colored ash containing glass, coal, coke, slag, buttons, ceramic and brick. Miscellaneous wastes (i.e., felt paper, foam, grinding powder, tar) were also encountered in some of the borings and on the ground surface. Where encountered, fill material ranged in thickness from 0.9 to 23.1 feet (Table C-1). Fill thickness at 198 and 300 Mill Street is greatest along Eighteenmile Creek and thins to the east away from the creek (Figure 5-1). On the island, fill thickness thins to the north before disappearing completely, and is also relatively thin under William Street (1.2 to 3.6 feet).

5.2.2 *Glaciolacustrine Deposit*

A relatively thin, glaciolacustrine deposit is encountered throughout the Site, and either underlies the fill material or is found directly at the surface. This deposit consists predominantly of mottled, reddish brown and gray, dry to moist, silty clay and clayey silt containing traces of silt, gravel and fine sand. Borings that have completely penetrated this deposit reveal that it directly overlies bedrock, and where encountered, ranges in thickness from 0.5 to 9.0 feet (Table C-1).

5.2.3 *Grimsby Formation*

The uppermost bedrock formation underlying the Former Flintkote Plant Site is the Grimsby Formation of the Medina Group. Bedrock was encountered in 21 borings completed at the Site, although none of these borings penetrated more than four feet of bedrock. At the north end of the island bedrock is observed at the surface. As a result, the best description of the Grimsby Formation underlying the Site comes from observations of these outcrops. Based upon these observations, this unit is best described as a red and white mottled, fine- to medium-grained, thinly bedded sandstone that contains numerous horizontal bedding

plane fractures. Depth to bedrock at the Site ranged from 1.6 to 26.7 feet (Table C-1), with the greater depths associated with the thicker fill areas. Surface elevations of the Grimsby Formation ranged from 453.56 to 480.96 feet above mean sea level (amsl). The lowest elevations are restricted to the island and areas immediately adjacent to the creek and millrace, and likely represent the former extent of Eighteenmile Creek.

5.3 Regional Hydrogeology

Water bearing zones in the Lockport area include unconsolidated glacial deposits and bedrock. Most of the unconsolidated deposits in the area consist of fine grained glacial deposits with hydraulic conductivities roughly 10^{-7} cm/s or less (Earth Dimensions, 1980). These deposits, however, often contain horizontal laminations and sand lenses that can produce perched water table conditions, or if areally extensive, can be utilized as sources of water (La Sala, 1968). Because the unconsolidated deposits in the vicinity of the Former Flintkote Plant Site are relatively thin (Table C-1), and horizontal laminations and sand lenses are not common, groundwater yields from these deposits would be too low for domestic or industrial purposes. Overburden groundwater flow near the Site, therefore, is expected to be highly localized and sporadic with an overall flow toward Eighteenmile Creek.

Groundwater occurs primarily within the bedrock in the following types of openings: (1) weathered surface fractures, (2) bedding joints, (3) vertical joints, and (4) small cavities and vugs. The principal control on bedrock groundwater flow, however, is the vertical and horizontal bedding plane fractures. The latter are expected to be the primary groundwater flow pathways in the Grimsby Formation, especially in the upper unit, which is extensively fractured. Some horizontal groundwater flow, however, could also occur through small cavities and vugs. Vertical movement of groundwater also occurs, especially in the upper 10 to 25 feet of rock where vertical fractures, created by stress relief from tectonic events and glacial rebound (Gross and Engelder, 1991) have been enlarged by dissolution and/or glacial scour. The extent of vertical groundwater movement within the Grimsby Formation is unknown. The regional groundwater flow pattern near the Former Flintkote Plant Site is unknown; however, groundwater in the Upper Grimsby Formation likely flows toward Eighteenmile Creek.

5.4 Site Hydrogeology

The hydrogeology of the Former Flintkote Plant Site has been evaluated by examining data obtained during the Site Investigation. The hydrogeologic data obtained for the Site confirms the presence of a shallow water bearing zone within the fill material and the upper portion of the glaciolacustrine deposit; the upper bedrock penetrated during the soil boring program was dry.

In order to determine the groundwater flow pattern across the Site, six (6) shallow monitoring wells were installed during the Site Investigation (see Table C-2 in Appendix C). These wells screen the fill material and the upper portion of the glaciolacustrine deposit. The exception to this is well 300-F, which is screened entirely within native soils. Water level measurements from these wells were collected five (5) times between November 18, 1999 and December 21, 1999, with a sixth round of water levels measurements collected on May 16, 2000 (Table 5-2). Water level measurements for Eighteenmile Creek were also obtained during the Site Investigation (Table 5-2).

Table 5-2 indicates that groundwater elevations range from 457.50 to 466.33 feet amsl, with water levels in individual wells remaining relatively constant over time. One well on the island (MW-2) was consistently dry. Water levels in Eighteenmile Creek ranged from 464.30 to 467.76 feet amsl; however, based upon the surveyed elevation of a rock in the millrace near soil boring SB-9 (Figure 4-1), the surface water elevation in the millrace at this location was approximately 454 ft amsl. This variation in surface water elevation, combined with the paucity of measuring locations on the creek and millrace, makes it extremely difficult to generate a groundwater contour map for the Site. Based upon basic hydrogeologic principles, it is suspected that groundwater flows toward these surface water bodies.

Slug, bail down or pump tests were not conducted on any well installed at the Site. Based upon the ash-like nature of the waste material, however, hydraulic conductivity of the waste is likely to be much higher than in the native deposits due to the low compaction/high porosity character of the fill. As a result, most groundwater flow across the Site would likely be through the waste material.

6.0 INVESTIGATION RESULTS

A brief description of the activities completed during the Site Investigation at the Former Flintkote Plant Site was presented in Section 4.0. In this section, a detailed evaluation of the observations made during the site reconnaissance and the results obtained from the field activities are presented. Results are summarized by environmental media, and include waste material, surface soil, subsurface soil, groundwater, surface water and sediment.

6.1 General Observations

The Former Flintkote Plant Site is heavily vegetated (Figure 6-1), which makes travel around the Site extremely difficult and exacerbates the ability to easily inspect the Site. Due to this problem, the site reconnaissance was completed during October and November 1999 when leaves were off the trees and visibility improved. To provide drill rig access to the boring locations, a significant amount of vegetation was cleared. This work was completed during the site reconnaissance.

The buildings of the Former Flintkote Plant Site are extremely dilapidated (Figures 6-2 thru 6-4) and present a significant physical hazard. The buildings on the 198 Mill Street property (Figure 1-2) have been demolished; only a portion of the east and south walls of the southernmost building remain. The northernmost buildings of the 300 Mill Street property have also been demolished. Children have been observed playing on the Site and in the buildings, and can access the Site from William Street. This street passes under the building near Mill Street (Figures 6-2 and 6-5), and crosses Eighteenmile Creek at a cross-culvert that serves as a bridge. On the island, pits have been dug into the ash by individuals scavenging for antique bottles and other items. At the time of the field activities (October thru December 1999) access to the site was not restricted. Since that time Niagara County has erected fencing, repaired existing fencing, boarded up windows and doors, and are evaluating the removal of the cross-culverts under William Street to further limit access to the Site.

During the site reconnaissance, waste material (primarily ash) was observed at the surface throughout the Site, with blocks of hard, dark gray, tar-like material observed over a large area of the western portion of the island. A soft, black, tar-like material in two drums was observed on the eastern portion of the island along the millrace. This material was sampled by the Department in August 1996. At the 198 Mill Street property, approximately 30 empty drums formerly containing Chem-Rez Catalyst (caustic soda) were observed in a pile along Mill Street (Figure 6-6; Figure 1-2), with a second group of 16 empty drums observed in the southwest corner of the southernmost demolished building on the same property. Empty

drums scattered along Mill Street and the embankment were also observed at the 300 Mill Street property. Also observed was a grease-like material that coated the stone blocks around a window opening of an abandoned building (sample W-6; Figure 4-2), with some of the material having leached through the mortar to the outside of the building. A large amount of coal remains in the coal bins along Mill Street on the 300 Mill Street property.

Samples of the various waste materials, with exception of the coal, were collected during the Site Investigation and submitted to Severn Trent Laboratories for chemical analysis. The results of these analyses are described in Section 6.2

6.2 Waste Material

Thirty-two soil borings were completed during the Site Investigation to evaluate subsurface soil conditions at the Site, characterize the waste material observed there, determine its thickness and areal extent, and facilitate sampling of this material for chemical analysis. The locations of these borings (Figure 4-1) were selected to evaluate the entire former Flintkote property west of Mill Street (i.e., 198 Mill Street, 300 Mill Street, and the island) and to provide effective placement of monitoring wells for determining groundwater contamination and flow patterns across the Site. These borings are distributed throughout the Site as follows: 198 Mill Street - ten borings; 300 Mill Street - eleven borings; and the island - eleven borings. All borings were completed to native soils or refusal. The stratigraphic logs for these borings are given in Appendix A and summarized in Table C-1 (Appendix C).

The majority of the waste encountered in these borings was ash containing coal, coke, slag, ceramic, bottles, brick, buttons and wood. As discussed in Section 5.2.1, the thickness of this ash is variable, ranging from 0.9 to 23.1 feet (Figure 5-1; Table C-1), although half of the borings encountered ash at thicknesses greater than 7.0 feet. Some miscellaneous fill material (e.g., tar, felt, foam, grease, grinding powder) was also encountered throughout the Site and is likely related to former Flintkote manufacturing operations. The tar-like material observed on the surface of the island was not encountered in any of the borings. The waste material encountered throughout the Site covers an area of approximately 3.6 acres distributed as follows: 198 Mill Street - 0.52 acres; 300 Mill Street - 1.95 acres; and the island - 1.14 acres. These estimates assume that no waste material underlies the buildings. The volume of waste at the Former Flintkote Plant Site was estimated with the Grid Volume command of the Surfer Program (version 6.01) copyrighted by Golden Software, Inc. The volume of waste at the Site was estimated to be 24,545 cubic yards (yd^3) distributed as follows: 198 Mill Street - 7,988 yd^3; 300 Mill Street - 10,867 yd^3; and the island - 5,690 yd^3.

During the Site Investigation, thirty-four waste samples were collected and submitted to Severn Trent Laboratories for chemical analysis. These samples include the four waste samples collected in August 1996, thirty-one samples collected during the soil boring program in November 1999, and three waste samples collected in December 1999. Analyses included hazardous waste characteristics, Target Compound List (TCL) volatiles, TCL semivolatiles, PCBs, pesticides, Target Analyte List (TAL) metals and dioxin. The samples selected for analysis from the borings were determined in the field based upon visual observation and screening for volatile organic vapors using an OVA meter. Information concerning sample collection and analysis is given in Table 6-1. The locations of borings from which samples were collected are shown on Figure 4-2.

Of the thirty-four waste samples collected, sixteen ash and six miscellaneous waste samples (Figure 4-2) were analyzed for hazardous waste characteristics. These data supplement the results from waste samples collected by the Department in August 1996 (Figure 4-2). The Toxicity Characteristic Leaching Procedure (TCLP) results for these samples are summarized in Tables 6-2 (ash) and 6-3 (miscellaneous waste), with the ash samples summarized by location (i.e., 198 Mill Street, 300 Mill Street, and the island). Table 6-3 indicates that none of the miscellaneous wastes are characteristic hazardous waste, although some contaminants, primarily metals, can leach from these materials. With respect to the ash, seven samples failed the TCLP Regulatory Limit for lead, confirming that some ash at the site is characteristic hazardous waste. It is interesting to note that of these failures, five were for samples collected from 0 to 4 feet depth (Table 6-2). Since visually there did not appear to be any distinction between the shallow and deep ash, the general absence of TCLP failures in the deeper ash appears anomalous, but may suggest that the deeper ash has been subject to leaching for a much longer period of time than the shallow ash. The distribution of the TCLP failures is as follows: 3 of 7 samples from the island; 4 of 7 samples from 198 Mill Street; and 0 of 4 samples from 300 Mill Street (Table 6-2). Several ash samples from 300 Mill Street, however, were not analyzed for TCLP due to insufficient sample volume. One ash sample from 198 Mill Street also failed the TCLP Regulatory Limit for cadmium (Table 6-2).

In addition to TCLP, waste samples were also analyzed for organic and inorganic constituents (Table 6-4), with the results compared to the soil cleanup objectives of NYSDEC Technical and Administrative Guidance Memoranda (TAGM) No. 4046. The results of the organic analyses reveal the presence of both volatile and semivolatile compounds, although none of the volatile concentrations exceeded the TAGM 4046 soil cleanup objectives. Volatile compounds detected in the waste include benzene (1 sample), toluene (9 samples), carbon disulfide (4 samples), ethylbenzene (2 samples), freon 113 (5 samples), trichloroethene (1

sample), pentane (1 sample), hexane (1 sample), 2-butanone (3 samples), 4-methyl-2-pentanone (1 sample) and total xylenes (3 samples).

Thirty-one semivolatile compounds were detected in the waste samples with nineteen of these constituents being polycyclic aromatic hydrocarbons (PAHs). Of these compounds, dibenzo(a,h)anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene were detected at concentrations that exceeded the TAGM 4046 soil cleanup objectives in both the ash and miscellaneous waste samples (Table 6-4). In addition to these compounds, concentrations of 2-methylnaphthalene, acenaphthene, phenanthrene, fluorene, naphthalene, anthracene, pyrene, benzo(g,h,i)perylene, indeno(1,2,3-cd)pyrene, fluoranthene and dibenzofuran also exceeded the TAGM 4046 soil cleanup objectives in the miscellaneous waste samples (Table 6-4). These exceedances were documented in waste samples collected throughout the Site and are not restricted to those samples that are characteristic hazardous waste.

PAHs are a group of over 100 different chemicals that are ubiquitous in the environment. Sources of PAHs include incomplete combustion of coal, oil, gasoline, garbage and wood from stoves, automobiles and incinerators. PAHs are also found in coal tar, crude oil, creosote, roofing tar, medicines, dyes, plastics and pesticides. Because the ash found at the Site appears related to the combustion of both coal and municipal garbage, the presence of PAHs in the waste material was anticipated. PAH presence in the tar and grease-like materials was also expected.

Six phthalates, including diethylphthalate, di-n-butylphthalate, butylbenzylphthalate, bis(2-ethylhexyl)phthalate, di-n-octylphthalate and dimethylphthalate, were also detected in the waste samples collected from the Site (Table 6-4). Of these compounds, concentrations of di-n-butylphthalate and bis(2-ethylhexyl)phthalate exceeded the TAGM 4046 soil cleanup objectives in one ash sample collected from the island (Table 6-4). While phthalates are plasticizers that are common laboratory contaminants, phthalates are also utilized in the manufacture of resins for the production of composite laminates (e.g., at the former Spaulding Composites plant in Tonawanda, Erie County, New York). A similar process may have been utilized at Flintkote for the manufacture of felt and felt tufting. In addition, composite laminates similar to those manufactured at Spaulding were observed during the Site Investigation in the southernmost demolished building on the 198 Mill Street property, suggesting that laminates were also manufactured at Flintkote. The presence of phthalates, therefore, are likely attributable to former Flintkote manufacturing operations.

A limited number of waste samples were also analyzed for PCBs and pesticides (Table 6-4), although pesticide analysis was restricted to three samples - one from the hard, tar-like material on the island, one from the grease-like material in the window and one from the ash at the 300 Mill Street property. PCBs were detected in 7 of 11 ash samples at concentrations ranging from 22J to 6,840 μg/kg, and in 1 of 4 miscellaneous waste samples at a concentration of 3,960 μg/kg. A duplicate ánalysis of this sample contained PCBs at a concentration of 12,900 μg/kg, the only PCB concentration above the 10,000 μg/kg TAGM 4046 soil cleanup objective. Pesticides were detected in all three waste samples (Table 6-4) and include aldrin, BHC, dieldrin, endrin, endrin aldehyde, endosulfan II, endosulfan sulfate, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, methoxychlor and chlordane. The concentration of dieldrin in the grease-like material was equal to the TAGM 4046 soil cleanup objective.

Thirteen inorganic compounds were detected in the waste samples. Of these compounds, iron, lead, nickel, arsenic, barium, cadmium, chromium, cobalt, copper, zinc, selenium and mercury were detected at concentrations that exceeded the TAGM 4046 soil cleanup objectives in both the ash and miscellaneous waste samples (Table 6-4). Mercury was also detected in two ash samples collected by the Division of Water in November 1994 at concentrations (2.82 and 3.34 μg/kg, respectively) that also exceeded the TAGM 4046 soil cleanup objective. Silver was detected in 19 of 25 samples collected during the Site Investigation at concentrations ranging from 0.55 to 23.6 μg/kg. The TAGM 4046 soil cleanup objective for silver is the site background concentration. Since background samples were not collected during the Site Investigation this concentration is unknown.

Eight ash samples collected during the Site Investigation were also analyzed for dioxins and furans as these contaminants were detected in the two ash samples collected by the Division of Water in November 1994. The total 2,3,7,8 TCDD toxic equivalent concentrations of the DOW samples were 51.81 pg/g and 871.50 pg/g, respectively. Neither dioxins nor furans were detected in any of the ash samples collected during the Site Investigation. As shown in Table 6-1, however, all samples (except one) that were submitted for dioxin and furan analysis were collected from depths ranging from 4 to 24 feet. The absence of dioxins and furans in these samples, therefore, may again suggest that the deeper ash has been subject to leaching for a much longer period of time than the shallow ash.

6.3 Surface Soil

Surface soil (0"-2" depth) was not generally encountered at the Site (Table C-1) as most of the surface is covered with ash. Surface ash samples, however, were not submitted to Severn Trent Laboratories

for chemical analysis. A thin topsoil layer was encountered at eleven boring locations but samples of this soil were not submitted for chemical analysis.

6.4 Subsurface Soil

Native soils were encountered during the Site Investigation but were not submitted to Severn Trent Laboratories for chemical analysis. Due to this lack of analytical data it is not possible to evaluate the extent of vertical migration of contaminants into the native soils underlying the Site. Such an evaluation, however, was not an objective of the Site Investigation.

6.5 Groundwater

As part of the Site Investigation, six borings were converted into groundwater monitoring wells to determine groundwater flow patterns and to evaluate groundwater contamination related to the Site. The locations of these wells are shown on Figure 4-3. Five groundwater samples were collected during the Site Investigation (well MW-2 was dry) and submitted to Severn Trent Laboratories for chemical analysis. Analyses included TCL volatiles, TCL semivolatiles, PCBs, pesticides and TAL metals. Information concerning sample collection and analysis is given in Table 6-1. The well development and purge logs are included as Appendix B.

The organic analyses of the groundwater samples reveal the presence of both volatile and semivolatile compounds (Table 6-5), although toluene was the only volatile compound detected. This compound was only detected in well 300-F at a concentration that did not exceed the Department's Class GA groundwater standard. Toluene was also detected in two miscellaneous waste samples obtained from boring 300-F, which likely explains the presence of toluene in the groundwater sample collected from this well. Six semivolatile compounds were detected in the groundwater samples including naphthalene, phenanthrene, fluoranthene, pyrene, benzo(b)fluoranthene and bis(2-ethylhexyl)phthalate. Of these compounds, only naphthalene and benzo(b)fluoranthene were detected at concentrations that exceeded the Department's Class GA groundwater standards or guidance values. Pesticides were not detected in any of the groundwater samples; however, PCBs were detected in well 198-F at a concentration that exceeded the Department's Class GA groundwater standard (Table 6-5).

Thirteen inorganic compounds were detected in the groundwater samples. Of these compounds, arsenic, barium, cadmium, chromium, copper, iron, lead, manganese, mercury, nickel and zinc were detected at concentrations that exceeded the Department's Class GA groundwater standards or guidance values (Table

6-5). Cobalt and silver were also detected in these samples; cobalt does not have a Class GA groundwater standard or guidance value, while silver was detected at concentrations below the Department's Class GA groundwater standard.

6.6 Surface Water

Surface water from Eighteenmile Creek and the millrace was not collected during the Site Investigation for analysis of organic compounds, although one surface water sample (SW-2) from Eighteenmile Creek was analyzed for major cations and anions (calcium, magnesium, sodium, potassium, chloride, sulfate, total alkalinity and total hardness) for comparison with the groundwater samples. One surface water sample (SW-1) from a pipe discharging into the millrace from the 300 Mill Street property, however, was submitted to Severn Trent Laboratories for chemical analysis. Analyses included TCL volatiles, TCL semivolatiles, PCBs, pesticides and TAL metals. The locations of these samples are shown on Figure 4-2, with information concerning sample collection and analysis given in Table 6-1.

Volatiles, PCBs and pesticides were not detected in the surface water sample, while bis(2-ethylhexyl)phthalate and di-n-octylphthalate were the only semivolatile compounds detected (Table 6-6). The concentration of bis(2-ethylhexyl)phthalate was below the Department's surface water standard; there is no surface water standard or guidance value for di-n-octylphthalate. The only inorganic compounds detected in this sample were barium, chromium, copper, iron, nickel and zinc, with only the concentration of iron exceeding the Department's surface water standard (Table 6-6).

6.7 Sediment

Since seven sediment samples were collected from the Site in October 1995 and August 1996 for chemical analysis (Table 6-7; Figure 4-2), no additional sediment samples were collected during the Site Investigation, although the results from the previous samples are incorporated into this report. Six of these samples were submitted to Severn Trent Laboratories for chemical analysis. Analyses included TCL volatiles, TCL semivolatiles, PCBs, pesticides and TAL metals. The seventh sample (October 1995) was collected by the Division of Water and also analyzed for dioxins and furans. Information concerning sample collection and analysis is given in Table 6-1.

The results of the organic analyses reveal that volatile organic compounds were not detected in any of the samples. Twenty-two semivolatile compounds, however, were detected in the sediment samples with nineteen of these constituents being PAHs. Of these compounds, benzo(a)anthracene, benzo(a)pyrene,

indeno(1,2,3-cd)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene and chrysene were detected at concentrations that exceeded the Department's sediment criteria (Table 6-7). Three phthalates, including di-n-butylphthalate, butylbenzylphthalate and bis(2-ethylhexyl)phthalate, were also detected in the sediment samples (Table 6-7), although none of these contaminants exceeded the Department's sediment criteria.

All seven sediment samples were analyzed for PCBs and pesticides (Table 6-7). PCBs were detected in each sample at concentrations ranging from 360 to 8,800 μg/kg, although none of these concentrations exceeded the Department's sediment criteria. Pesticides were not detected in any of the samples. The sediment sample collected by the Division of Water in October 1995 contained dioxin (total 2,3,7,8 TCDD toxic equivalent) at a concentration of 154.6 pg/g.

Thirteen inorganic compounds were detected in the sediment samples. Of these compounds, iron, lead, nickel, silver, arsenic, cadmium, chromium, copper, zinc and mercury were detected at concentrations that exceeded the Department's sediment criteria (Table 6-7). Barium, cobalt and selenium were also detected in these samples, but no sediment criteria exist for these compounds.

7.0 DISCUSSIONS AND CONCLUSIONS

7.1 Discussion

The principle objective of the Site Investigation was to confirm the presence of hazardous waste at the Former Flintkote Plant Site as detected by samples collected by the Department in August 1996, and if confirmed, to determine whether a consequential amount is present. The results of the Site Investigation indicate that a number of ash samples collected from the Site failed the TCLP Regulatory Limit for lead, making the ash a characteristic hazardous waste. One of the ash samples also failed the TCLP Regulatory Limit for cadmium. Although not all samples failed TCLP, the areal extent (≈3.6 acres) and volume (≈25,545 yd^3) of this ash indicate that a consequential amount of hazardous waste is present at the Site.

Surface soil samples (0"-2" depth) were not collected during the Site Investigation, although some exposed waste samples (e.g., tar-like material, grease-like material) were collected for chemical analysis (Table 6-4). Concentrations of benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)-fluoranthene, chrysene, iron, zinc and mercury exceed the TAGM 4046 soil cleanup objectives in these miscellaneous waste samples. Samples of exposed ash were not collected for chemical analysis; however, this ash is expected to contain contaminants (i.e., PAHs and inorganics) at concentrations similar to the subsurface ash samples.

An evaluation of the analytical results from the waste samples indicates that numerous semivolatile and inorganic compounds exceed the Department's TAGM 4046 soil cleanup objectives (Table 6-4). Trace concentrations of volatiles, PCBs and pesticides were also detected.

Groundwater at the site is extensively contaminated with inorganic compounds (Table 6-5). In total, the concentrations of eleven inorganic compounds exceeded the Department's Class GA groundwater standards and guidance values. Since these same inorganic compounds were detected in the waste samples at concentrations that exceeded the TAGM 4046 soil cleanup objectives, it appears that the waste is responsible for the groundwater contamination observed. As discussed in Section 5.4, contaminated groundwater likely flows to Eighteenmile Creek and the millrace.

Sediment samples from Eighteenmile Creek and the millrace are contaminated with PAHs, PCBs and inorganic compounds (Table 6-7). The Division of Fish and Wildlife sediment criteria were exceeded for numerous semivolatile and inorganic compounds. Since the organic and inorganic compounds detected in the sediment samples are the same contaminants detected in the waste material, it appears that the Former

Flintkote Plant Site has impacted sediment of Eighteenmile Creek and the millrace. Surface water samples from Eighteenmile Creek and the millrace were not collected during the Site Investigation.

Although the Site Investigation was not intended to fully evaluate in detail existing or potential threats to human health, field observations made during the study identified potential waste exposure pathways through direct contact. On the island, pits have been dug approximately 4 feet into the ash by individuals scavenging for antique bottles and other items, while children have been observed playing on and traversing the site. Waste material is exposed at the surface throughout most of the Site.

At the time of the field activities (October thru December 1999) access to the site was not restricted. Since that time Niagara County has erected fencing, repaired existing fencing, boarded up windows and doors, and are evaluating the removal of the cross-culverts under William Street to limit Site access. Based upon the size of the Former Flintkote Plant Site, however, it would be extremely difficult to restrict access to the Site completely.

7.2 Conclusion

Characteristic hazardous waste (D008 - lead) has been documented at the Former Flintkote Plant Site. Although not all samples failed TCLP, the size of the site and extent of the ash suggest that a consequential amount of hazardous waste is present. This waste also contains semivolatile and inorganic compounds at concentrations above the Department's TAGM 4046 soil cleanup objectives. Similar contaminants have also been detected in site groundwater and sediment in Eighteenmile Creek and the millrace adjacent to the site. These data suggest that waste at the Site has adversely impacted groundwater and sediment at and near the Site. Eighteenmile Creek has been identified by the International Joint Commission as one of the 43 Areas of Concern in the Great Lakes Basin. The Department has issued a Remedial Action Plan for this creek with the Former Flintkote Plant Site listed as a potential contaminant contributor. The data collected during the Site Investigation appear to confirm this.

8.0 RECOMMENDATIONS

The Site Investigation conducted at the Former Flintkote Plant Site during November and December 1999 revealed the presence of a consequential amount of hazardous waste (D008 - lead). The presence of exposed waste material indicates that direct contact exposures are possible. Waste at the Site has also adversely impacted groundwater and sediment. As a result, it is recommended that the Site be listed in the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites in New York State. It is also recommended that Niagara County continue its efforts to restrict access to the Site.

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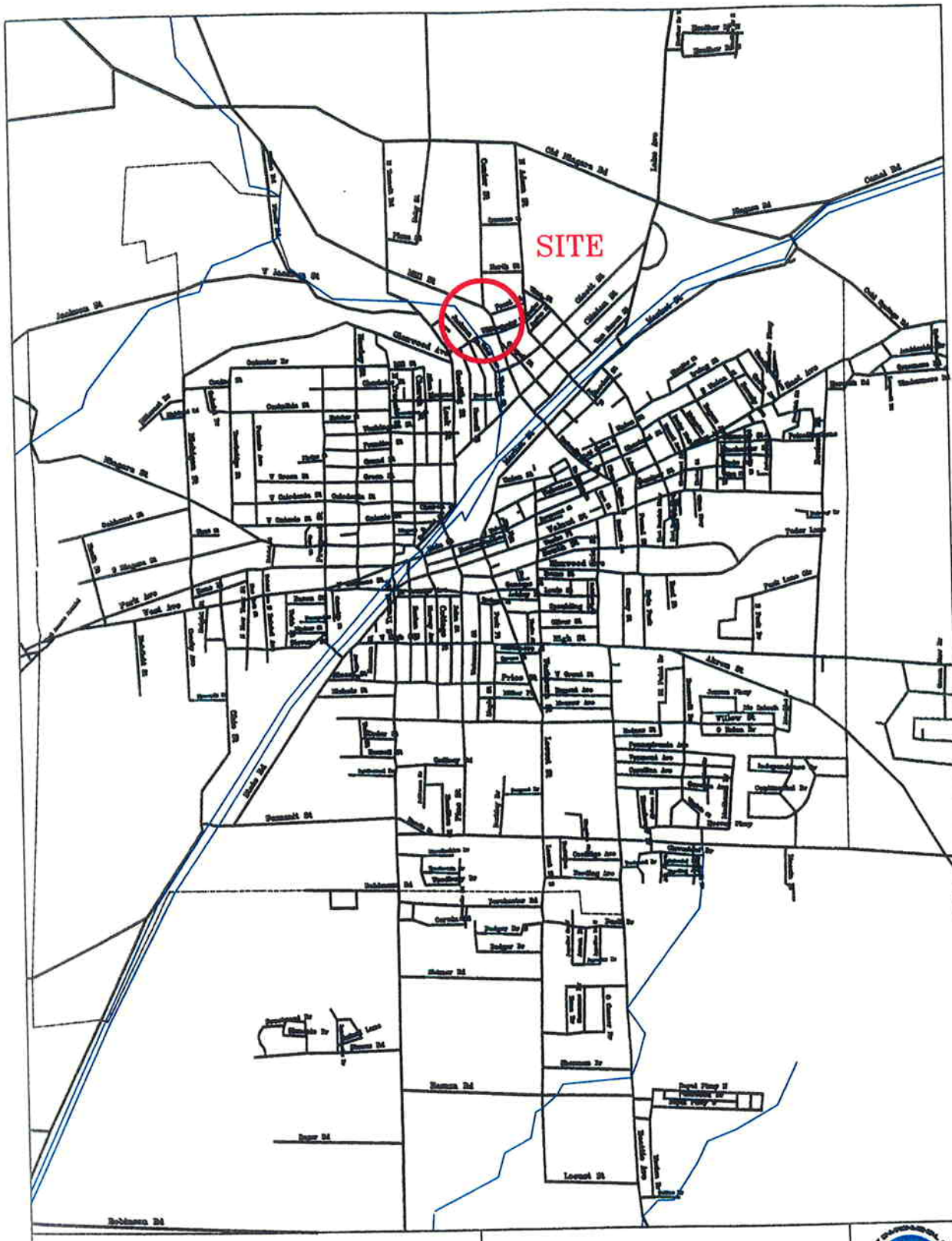
FIGURES



Lockport Quadrangle

Scale Depends on Final Plotted Size

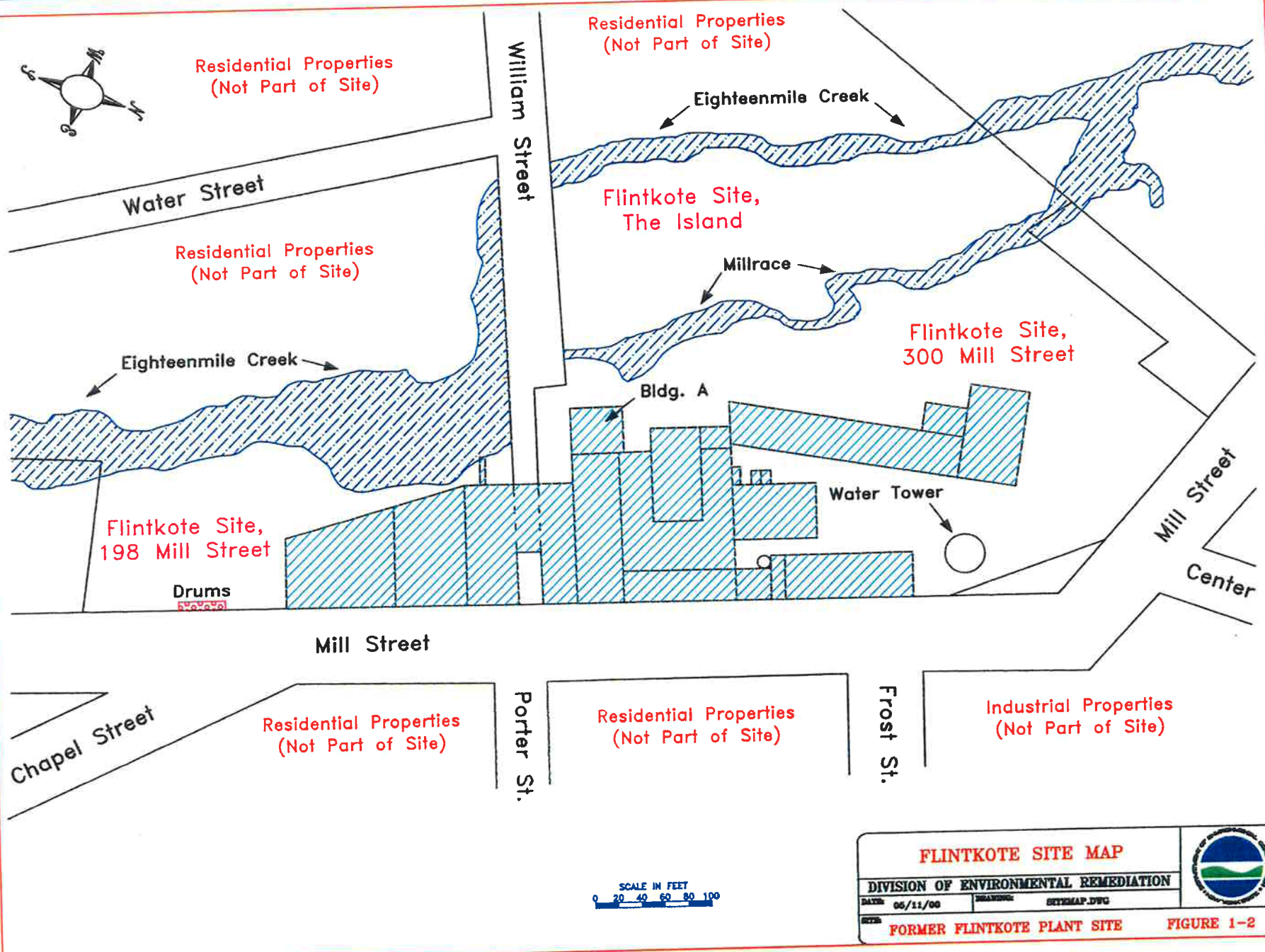
SITE LOCATION MAP

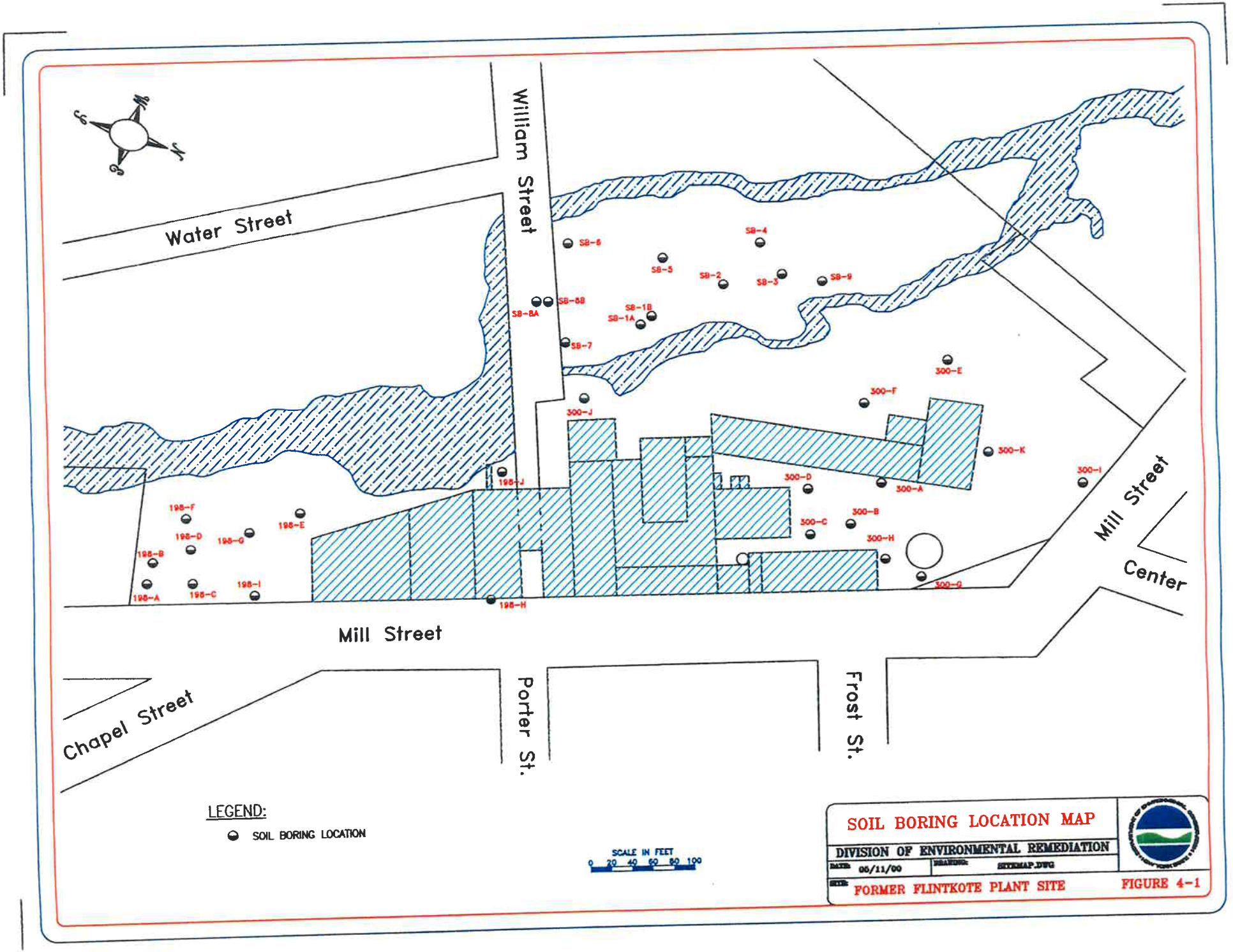
DIVISION OF ENVIRONMENTAL REMEDIATION

DATE: 08/29/00 DRAWING: LOCATION8.DWG

SITE: FORMER FLINTKOTE PLANT SITE

FIGURE 1-1


Residential Properties
(Not Part of Site)
William Street
Residential Properties
(Not Part of Site)
Eighteenmile Creek
Water Street
Flintkote Site,
The Island
Residential Properties
(Not Part of Site)
Millrace
Flintkote Site,
300 Mill Street
Eighteenmile Creek
Bldg. A
Water Tower
Flintkote Site,
198 Mill Street
Drums
Mill Street
Mill Street
Center
Chapel Street
Residential Properties
(Not Part of Site)
Porter St.
Residential Properties
(Not Part of Site)
Frost St.
Industrial Properties
(Not Part of Site)
SCALE IN FEET
0 20 40 60 80 100
FLINTKOTE SITE MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 05/11/00
DRAWING: SITEMAP.DWG
SITE: FORMER FLINTKOTE PLANT SITE
FIGURE 1-2


William Street
Water Street
Mill Street
Center
Mill Street
Chapel Street
Porter St.
Frost St.
SB-6
SB-5
SB-4
SB-2
SB-3
SB-9
SB-8B
SB-8A
SB-1B
SB-1A
SB-7
300-E
300-F
300-J
300-K
300-I
300-D
300-A
300-B
300-C
300-H
300-G
198-J
198-F
198-E
198-D
198-G
198-B
198-A
198-C
198-I
198-H
LEGEND:
SOIL BORING LOCATION
SCALE IN FEET
0 20 40 60 80 100
SOIL BORING LOCATION MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 05/11/00
DRAWING: SITEMAP.DWG
SITE: FORMER FLINTKOTE PLANT SITE
FIGURE 4-1


Water Street
William Street
Mill Street
Chapel Street
Porter St.
Frost St.
Mill Street
Center
SED-1
SB-6
W-7
SB-5
SB-2
SB-3
W-4
SB-1A
W-1
SED-2
STATION-12
W-2
SED-4A
W-3
SED-3
SW-1
SED-A
SED-4
300-E
300-J
300-F
W-6
SW-2
SED-5
198-J
300-D
W-5
300-I
198-E
198-D
198-Q
300-B
198-B
300-H
198-I
LEGEND:
1999 SAMPLING LOCATION
HISTORICAL SOIL OR SEDIMENT SAMPLE
SCALE IN FEET
0 20 40 60 80 100
SAMPLE LOCATION MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 06/11/00
DRAWING: SITEMAP.DWG
SITE: FORMER FLINTKOTE PLANT SITE
FIGURE 4-2


Water Street
William Street
Mill Street
Center
Mill Street
Chapel Street
Porter St.
Frost St.
MW-6
MW-2
300-J
300-F
198-F
198-E
DEC reported on 12/5/02 that well 300-I is probably missing
LEGEND:
MONITORING WELL LOCATION
SCALE IN FEET
0 20 40 60 80 100
MONITORING WELL LOCATION MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 05/11/00
DRAWING: SITEMAP.DWG
SITE: FORMER FLINTKOTE PLANT SITE
FIGURE 4-3


Water Street
William Street
Mill Street
Center
Mill Street
Chapel Street
Porter St.
Frost St.
SB-1
SB-1A
SB-1B
SB-2
SB-3
SB-4
SB-5
SB-6
SB-7
SB-8
SB-8A
SB-8B
SB-9
300-A
300-B
300-C
300-D
300-E
300-F
300-G
300-H
300-I
300-J
300-K
195-A
195-B
195-C
195-D
195-E
195-F
195-G
195-H
195-I
195-J
LEGEND:
SOIL BORING LOCATION
SCALE IN FEET
0 20 40 60 80 100
FILL ISOPACH MAP
DIVISION OF ENVIRONMENTAL REMEDIATION
DATE: 05/11/00
DRAWING: SITEMAP.DWG
SITE: FORMER FLINTKOTE PLANT SITE
FIGURE 5-1

Figure 6-1. Photograph of Eighteenmile Creek and the Island (at right) looking north from the cross-culvert underlying William Street. Note the heavy vegetation, which is typical of the Site. Photo from www.Lockport-NY.com

Figure 6-2. Photograph of the former Flintkote buildings at Mill and William Streets looking west. These buildings have been abandoned for many years and are extremely dilapidated. The concrete barriers prevent vehicle traffic from entering William Street, which passes under the building in the background. Photo from www.Lockport-NY.com

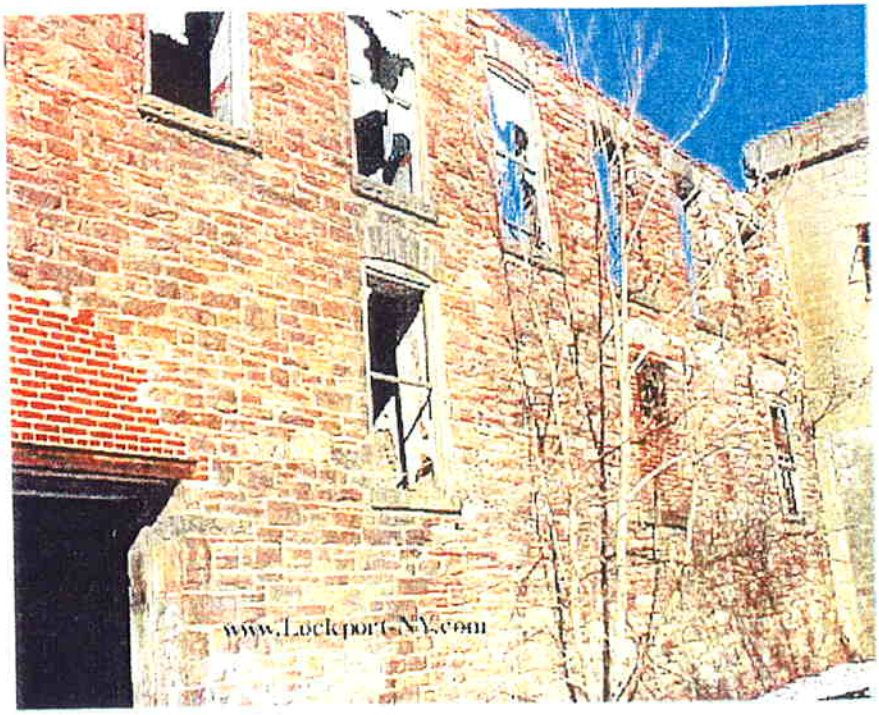


Figure 6-3. Photograph of the extremely dilapidated former Flintkote buildings along William Street looking north. Children have been observed playing in these buildings. Photo from www.Lockport-NY.com

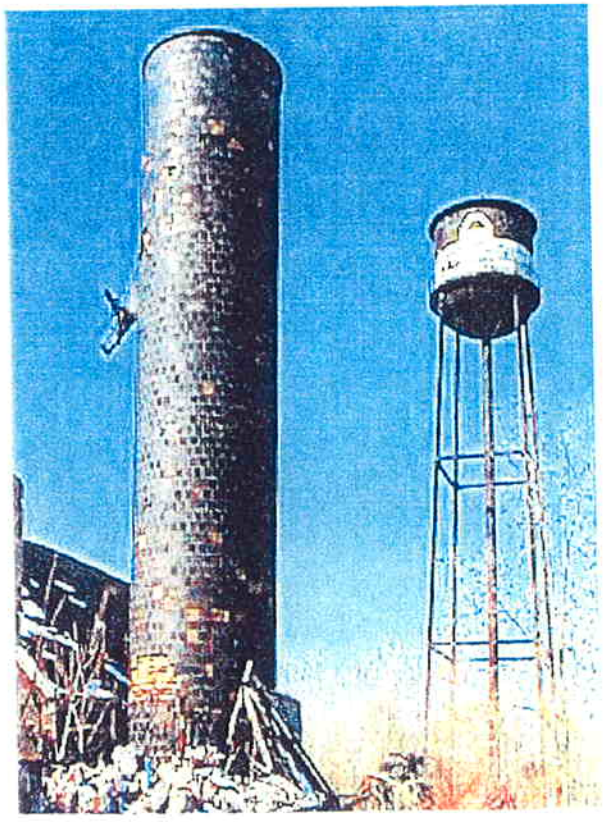


Figure 6-4. Photograph of the Flintkote water tower (background) and boiler chimney (foreground) looking northwest. Note the dilapidation of the boiler chimney and the building behind it. Photo from www.Lockport-NY.com

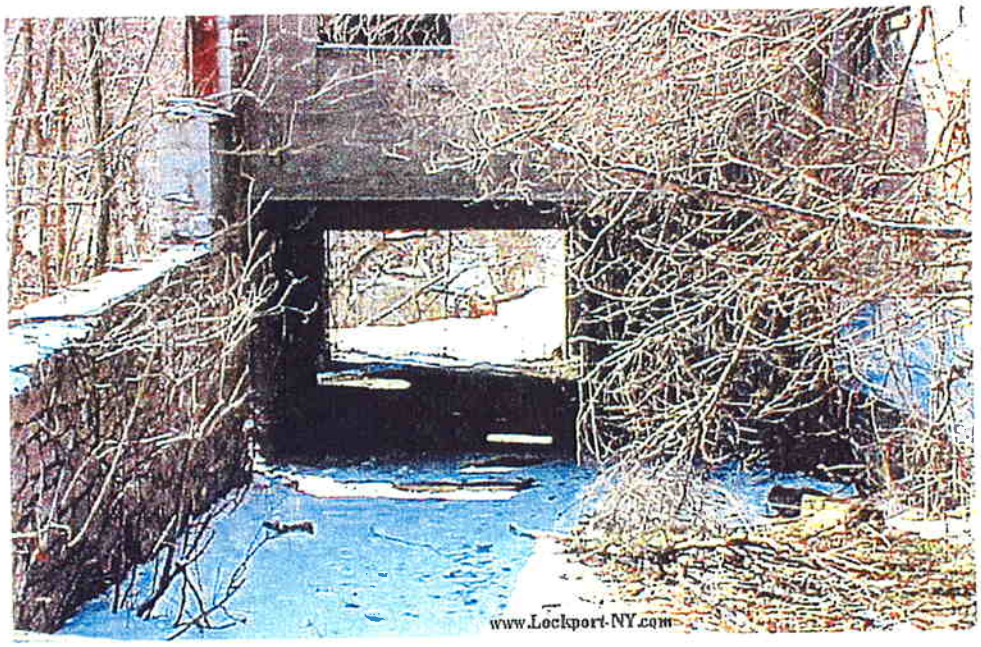


Figure 6-5. Photograph of William Street looking west. The building overlying the street is the building shown in the background of Figure 6-2. Area residents, including children attending DeWitt Clinton Elementary School, use William Street as a shortcut to cross Eighteenmile Creek. Niagara County has recently erected fencing near Mill Street to limit access to the Site. Photo from www.Lockport-NY.com

Figure 6-6. Photograph of drums along Mill Street at the 198 Mill Street property looking west. These drums formerly contained Chem-Rez Catalyst (caustic soda) but are now empty. Photo from www.Lockport-NY.com

TABLES

Table 5-1.
Stratigraphic Sequence of the Western New York Area. Compiled from Buehler and Tesmer (1963) and Brett et al. (1995).

Epoch	Group	Formation	Member
Middle Devonian	Hamilton	Moscow Shale	Windom Shale Kashong Shale
		Ludlowville Formation	Tichenor Limestone Wanakah Shale Ledyard Shale Centerfield Limestone
		Skaneateles Formation	Levanna Shale Stafford Limestone
		Marcellus Shale	Oatka Creek Shale
		Onondaga Limestone	Seneca Limestone Morehouse Limestone Nedrow Limestone Clarence Limestone Edgecliff Limestone
Late Silurian	Salina	Akron Dolostone	
		Bertie Dolostone	Williamsville Dolostone Scajaquada Dolostone Falkirk Dolostone Oatka Dolostone
		Camillus Shale Syracuse Formation Vernon Shale	
Middle Silurian	Lockport	Guelph Dolostone Eramosa Dolostone	
		Goat Island Dolostone	Vinemount Dolostone Ancaster Dolostone Niagara Falls Dolostone
		Gasport Limestone	Pekin Dolostone Gothic Hill Limestone
	Clinton	Decew Dolostone	
		Rochester Shale	Burleigh Hill Shale Lewiston Shale
		Irondequoit Limestone Rockway Dolostone Williamson Shale Merritton Limestone	
		Reynales Limestone	Hickory Corners Limestone
		Neahga Shale	
Early Silurian	Medina	Kodak Sandstone Cambria Shale Thorold Sandstone Grimsby Formation Devils Hole Shale Power Glen Shale Whirlpool Sandstone	
Late Ordivician	Richmond	Queenston Shale Oswego Sandstone	

Table 5-2.
Groundwater Elevations in Monitoring Wells Installed at the Former Flintkote Plant Site.
(All water levels and elevations measured in feet)

Well Designation	Top of Riser Elevation	11/18/99 3		11/19/99 4		11/20/99 6		12/17/99 5		12/20-21/99	
		Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.
198 Mill Street											
198-E	480.77	14.44	466.33	15.44	465.33	15.44	465.33	15.35	465.42	15.35	465.42
198-F	479.81	14.10	465.71	14.10	465.71	14.10	465.71	13.86	465.95	13.86	465.95
Island											
MW-2	473.26	NI	N/A	Dry	N/A	Dry	N/A	Dry	N/A	Dry	N/A
MW-6	472.54	NI	N/A	12.99	459.55	12.97	459.57	12.21	460.33	12.21	460.33
300 Mill Street											
300-F	481.46	NI	N/A	NI	N/A	Dry	N/A	23.96	457.50	23.96	457.50
300-J	469.67	6.81	462.86	6.72	462.95	6.71	462.96	6.78	462.89	6.78	462.89
Eighteenmile Creek											
West Sluice Gate	472.58	NM	N/A	NM	N/A	7.66	464.92	NM	N/A	NM	N/A
East Post of Bridge	474.01	NM	N/A	NM	N/A	6.25	467.76	NM	N/A	NM	N/A

NI Not installed.

Table 5-2 (continued).
Groundwater Elevations in Monitoring Wells Installed at the Former Flintkote Plant Site.
(All water levels and elevations measured in feet)

Well Designation	Top of Riser Elevation	May 16, 2000									
		Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.	Depth to Water	Elev.
198 Mill Street											
198-E	480.77	15.33	465.44		480.77		480.77		480.77		480.77
198-F	479.81	13.82	465.99		479.81		479.81		479.81		479.81
Island											
MW-2	473.26	Dry	N/A	Dry	N/A	Dry	N/A	Dry	N/A	Dry	N/A
MW-6	472.54	10.47	462.07		472.54		472.54		472.54		472.54
300 Mill Street											
300-F	481.46	23.32	458.14		481.46		481.46		481.46		481.46
300-J	469.67	7.67	462.00		469.67		469.67		469.67		469.67
Eighteenmile Creek											
West Sluice Gate	472.58	8.28	464.30		472.58		472.58		472.58		472.58
East Post of Bridge	474.01	Dry	N/A		474.01		474.01		474.01		474.01

Table 6-1.
Sample Summary Key for Samples Collected at the Former Flintkote Plant Site.

Sample ID	Sample Location	Date Sampled	Time Sampled	Matrix	Interval Sampled*	Analytical Parameters	Comments	Table Reference
N/A	SED-A	10/27/95	N/A	Sediment	0'-0.17'	BNA, PCB/Pesticides, Dioxins, Furans, Metals	DOW sampling; Eighteen-mile Creek near the millrace	Table 6-7
B081S1	SED-1	8/7/96	1000	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Millrace near confluence with Eighteenmile Creek	Table 6-7
B081S2	SED-2	8/7/96	1025	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Millrace	Table 6-7
B081S3	SED-3	8/7/96	1040	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Millrace	Table 6-7
B081S4	SED-4	8/7/96	1100	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Millrace	Table 6-7
B081S5	SED-5	8/7/96	1310	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Eighteenmile Creek south of William Street	Table 6-7
B081S6	SED-6	8/7/96	1350	Sediment	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals	Eighteenmile Creek north of Olcott Street	Table 6-7
B081W1	W-1	8/7/96	1145	Waste	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, TCLP	Hard, gray-black tar on ground surface of island	Table 6-3; Table 6-4
B081W2	W-2	8/7/96	1200	Waste	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, TCLP	Soft, black tar in drum on island	Table 6-3; Table 6-4
B081W3	W-3	8/7/96	1225	Waste	0.75'-2.5'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, TCLP	Ash	Table 6-2; Table 6-4
B081W4	W-4	8/7/96	1245	Waste	1'-2'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, TCLP	Ash	Table 6-2; Table 6-4
B0811B	198-B	11/16/99	1515	Waste	16'-20'	TCL BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0811D	198-D	11/16/99	1100	Waste	0'-4'	TCL VOA, BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0811D2	" "	" "	1110	Waste	4'-8'	TCL BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash; BNA not run due to insufficient sample volume	Table 6-2; Table 6-4
B0811D3	" "	" "	1200	Waste	16'-20'	TCL BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash & Coke	Table 6-2; Table 6-4

Table 6-1 (continued). Sample Summary Key for Samples Collected at the Former Flintkote Plant Site.								
Sample ID	Sample Location	Date Sampled	Time Sampled	Matrix	Interval Sampled*	Analytical Parameters	Comments	Table Reference
B0811E1	198-E	11/17/99	1335	Waste	0'-4'	TCL VOA, BNA, PCBs, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0811E2	" "	" "	1345	Waste	8'-12'	TCL VOA, BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0811E	" "	" "	1350	Waste	14'	TCL VOA	Geoprobe Study; Ash	Table 6-4
B0811E3	" "	" "	1355	Waste	15'-16'	TCL VOA, BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash & Wood	Table 6-2; Table 6-4
B0811GA	198-G	11/17/99	1300	Waste	4'-5'	TCL VOA	Geoprobe Study; Ash & Felt	Table 6-4
B0811GB	" "	" "	1310	Waste	0.75'-1'	TCL VOA	Geoprobe Study; Ash	Table 6-4
B0811I	198-I	11/16/99	0850	Waste	0'-4'	TCL VOA	Geoprobe Study; Ash	Table 6-4
B0811J	198-J	11/17/99	1500	Waste	0'-4'	PCBs	Geoprobe Study; Ash	Table 6-4
B08101	SB-1	11/18/99	1110	Waste	4'-8'	TCL VOA, BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash; TCLP metals not run due to insufficient sample volume	Table 6-4
B0812A	SB-2	11/18/99	1520	Waste	0'-4'	TCL VOA, BNA, PCBs, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0812B	" "	" "	1525	Waste	4'-8'	TCL VOA, BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B08103	SB-3	11/18/99	1430	Waste	0'-4'	TCL VOA, BNA, PCBs, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B08105	SB-5	11/18/99	1545	Waste	4'-8'	TCL BNA, PCBs, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Misc. Fill; TCLP metals not run due to insufficient sample volume	Table 6-4
B0816A	SB-6	11/18/99	1005	Waste	0'-4'	TCL BNA, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0816B	" "	" "	1015	Waste	4'-8'	TCL BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0813B	300-B	11/19/99	1150	Waste	0'-4'	TCL VOA, BNA, PCBs, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0813D	300-D	11/19/99	1200	Waste	0'-4'	TCL VOA, PCBs	Geoprobe Study; Ash	Table 6-4

Table 6-1 (continued). Sample Summary Key for Samples Collected at the Former Flintkote Plant Site.								
Sample ID	Sample Location	Date Sampled	Time Sampled	Matrix	Interval Sampled*	Analytical Parameters	Comments	Table Reference
B0813E1	300-E	11/19/99	0935	Waste	0'-4'	TCL VOA, PCBs	Geoprobe Study; Ash	Table 6-4
B0813E2	" "	" "	0940	Waste	4'-8'	TCL VOA, BNA	Geoprobe Study; Misc. Fill	Table 6-4
B0813E3	" "	" "	0950	Waste	8'-12'	TCLP, Ignitability	Geoprobe Study; Felt	Table 6-3
B0813E4	" "	" "	1010	Waste	20'-24'	TCL BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0813F1	300-F	11/19/99	0825	Waste	8'-12'	TCL VOA, BNA, TAL Metals, TCLP, Ignitability	Geoprobe Study; Misc. Fill	Table 6-3; Table 6-4
B0813F2	" "	" "	" "	Waste	9'-10'	TCL VOA, BNA, TAL Metals, TCLP, Ignitability	Geoprobe Study; Powder; TCLP analyses canceled by lab contract manager	Table 6-3; Table 6-4
B0813F3	" "	" "	0845	Waste	16'-17'	TCL VOA	Geoprobe Study; Powder	Table 6-4
B0813H	300-H	11/19/99	1115	Waste	4'-8'	TCL BNA, Dioxin, TAL Metals, TCLP Metals	Geoprobe Study; Ash	Table 6-2; Table 6-4
B0813I	300-I	11/19/99	1020	Waste	0'-4'	TCL BNA, PCBs, TAL Metals	Geoprobe Study; Ash	Table 6-4
B0813J	300-J	11/17/99	1510	Waste	4'-8'	TCLP, Ignitability	Geoprobe Study; Foam; Ignitability not run due to insufficient sample volume	Table 6-3
B081S1	W-5	12/17/99	0930	Waste	2'	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, TCLP Metals	Ash sample from concrete dike along long building, 300 Mill Street	Table 6-2; Table 6-4
B081S2	W-6	12/17/99	1015	Waste	0'-0.17'	TCL VOA, BNA, PCB/ Pesticides, TCLP, Ignitability	Grease in window of building, 300 Mill Street	Table 6-3; Table 6-4
B081S4	W-7	12/21/99	1430	Waste	0'-0.17'	TCLP, Ignitability	Hard, gray-black tar on ground surface of island	Table 6-3
B081W5	SW-1	12/17/99	1050	Surface Water	N/A	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, Major Cations & Anions	Discharge to millrace from 300 Mill Street	Table 6-6
B081CR	SW-2	12/20/99	1440	Surface Water	N/A	Major Cations & Anions	Eighteenmile Creek near well 198-F	N/A

Table 6-1 (continued).
Sample Summary Key for Samples Collected at the Former Flintkote Plant Site.

Sample ID	Sample Location	Date Sampled	Time Sampled	Matrix	Interval Sampled*	Analytical Parameters	Comments	Table Reference
B0811E	198-E	12/20/99	1400	Ground Water	N/A	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, Major Cations & Anions	Well 198-E	Table 6-5
B0811F	198-F	12/20/99	1500	Ground Water	N/A	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, Major Cations & Anions	Well 198-F	Table 6-5
B081M6	MW-6	12/21/99	1130	Ground Water	N/A	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, Major Cations & Anions	Well MW-6	Table 6-5
B0813F	300-F	12/21/99	1600	Ground Water	N/A	TCL VOA, TAL Metals, Major Cations & Anions	Well 300-F	Table 6-5
B0813J	300-J	12/21/99	1155	Ground Water	N/A	TCL VOA, BNA, PCB/ Pesticides, TAL Metals, Major Cations & Anions	Well 300-J	Table 6-5

* Intervals in feet below ground surface.
N/A Not applicable.

Table 6-2.
TCLP Results of Ash Samples Collected from the Island at the Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	W-3 8/7/96 0.75'-2.5' Ash	W-4 8/7/96 1'-2' Ash	SB-2 11/18/99 0'-4' Ash	SB-2 11/18/99 4'-8' Ash	SB-3 11/18/99 0'-4' Ash	SB-6 11/18/99 0'-4' Ash	SB-6 11/18/99 4'-8' Ash	Regulatory Level (mg/l)
Inorganic Compounds								
Arsenic			0.0058 B	0.0037 B	0.0033 B	0.0036 B	0.0058 B	5.0
Barium	1.63 E	2.17 E	2.01 E	1.15 E	1.72 E	2.15 E	1.37 E	100.0
Cadmium	0.358	0.232	0.351 E	0.215 E	0.286 E	0.135 E	0.238 E	1.0
Chromium	0.0036 B							5.0
Lead	7.8 E	33.5 E	3.35 E	0.968 E	2.28 E	6.23 E	3.09 E	5.0
Mercury								0.2
Selenium	0.0065	0.0042 B	0.007		0.0062			1.0
Silver								5.0

E Estimated concentration that exceeds the calibration range.
B Value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
Samples W3 and W4 were also analyzed for TCLP volatiles, semivolatiles and pesticides. None of these compounds were detected.
Exceedances are shaded.
Only compounds detected are reported.

Table 6-2 (continued).
TCLP Results of Ash Samples Collected from 198 Mill Street at the Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	198-B 11/16/99 16'-20' Ash	198-D 11/16/99 0'-4' Ash	198-D 11/16/99 4'-8' Ash	198-D 11/16/99 16'-20' Ash, Coke	198-E 11/17/99 0'-4' Ash	198-E 11/17/99 8'-12' Ash	198-E 11/17/99 15'-16' Ash, Wood	Regulatory Level (mg/l)
Inorganic Compounds								
Arsenic	0.0059 B	0.0064 B						5.0
Barium	0.887 E	2.34 E	2.01 E	0.808 E	1.96 E	1.58 E	2.53 E	100.0
Cadmium	0.0127 E	0.426 E	0.391 E	0.103 E	1.58 E	0.799 E	0.0186 E	1.0
Chromium	0.0024 B							5.0
Lead	1.55 E	114.0 E	107.0 E	3.62 E	41.5 E	45.9 E	1.57 E	5.0
Mercury								0.2
Selenium		0.0055	0.0095		0.004 B	0.0053		1.0
Silver								5.0

E Estimated concentration that exceeds the calibration range.
B Value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
Exceedances are shaded.
Only compounds detected are reported.

Table 6-2 (continued).
TCLP Results of Ash Samples Collected from 300 Mill Street at The Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	300-B 11/19/99 0'-4' Ash	300-E 11/19/99 20'-24' Ash	300-H 11/19/99 4'-8' Ash	W-5 12/17/99 2' Ash & Slag	Regulatory Level (mg/l)
Inorganic Compounds					
Arsenic	0.0044 B	0.0058 B	0.0059 B	0.0317 E	5.0
Barium	0.293 E	0.444 E	0.396 E	0.851 E	100.0
Cadmium		0.0195	0.0013 B	0.0098	1.0
Chromium		0.0052 B		0.0187 E	5.0
Lead	0.0726 E	0.690 E	0.0177 E	0.226 E	5.0
Mercury					0.2
Selenium	0.0054		0.0059		1.0
Silver				0.0022 B	5.0

E Estimated concentration that exceeds the calibration range.
B Value greater than or equal to the instrument detection limit, but less than the contract required detection limit.
Exceedances are shaded.
Only compounds detected are reported.

Table 6-3.
TCLP Results of Miscellaneous Waste Samples Collected at the Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	W-1 8/7/96 0"-2" Tar	W-2 8/7/96 0"-2" Tar	W-7 12/21/99 0"-2" Tar	300-E 11/19/99 8'-12' Felt	300-F 11/19/99 8'-12' Misc. Fill	300-F 11/19/99 9'-10' Powder	300-J 11/17/99 4'-8' Foam	W-6 12/17/99 0"-2" Grease	Regulatory Level (mg/l)
Volatile Organic Compounds									
Benzene							N/A	N/A	0.5
2-Butanone							"	"	200.0
Carbon Tetrachloride							"	"	0.5
Chlorobenzene							"	"	100.0
Chloroform							"	"	6.0
1,2-Dichloroethane							"	"	0.5
1,1-Dichloroethene							"	"	0.7
Tetrachloroethene							"	"	0.73
Trichloroethene							"	"	0.5
Vinyl Chloride							"	"	0.2
Semivolatile Organic Compounds									
1,4-Dichlorobenzene									7.5
2,4-Dinitrotoluene									0.13
Hexachlorobenzene									0.13
Hexachlorobutadiene									0.5
Hexachloroethane									3.0
2-Methylphenol				0.3					200.0
m-Cresol									200.0
4-Methylphenol				0.3					200.0

Table 6-3 (continued).
TCLP Results of Miscellaneous Waste Samples Collected at the Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	W-1 8/7/96 0"-2" Tar	W-2 8/7/96 0"-2" Tar	W-7 12/21/99 0"-2" Tar	300-E 11/19/99 8'-12' Felt	300-F 11/19/99 8'-12' Misc. Fill	300-F 11/19/99 9'-10' Powder	300-J 11/17/99 4'-8' Foam	W-6 12/17/99 0"-2" Grease	Regulatory Level (mg/l)
Semivolatile Organic Compounds (continued)									
Nitrobenzene									2.0
Pentachlorophenol									100.0
Pyridine									5.0
2,4,5-Trichlorophenol									400.0
2,4,6-Trichlorophenol									2.0
Pesticides									
gamma-BHC								0.0003	0.4
Chlordane									0.03
Endrin				0.0062 B	0.0025 B	0.0012 B			0.02
Heptachlor									0.008
Heptachlor Epoxide									0.008
Methoxychlor									10.0
Toxaphene									0.5
Inorganic Compounds									
Arsenic				0.0089 B	0.0048 B	N/A	0.0035 B	0.0116 E	5.0
Barium	0.187 BE	0.0468 BE	0.289 EN	0.640 E	0.713 E	"	1.71 E	0.599 E	100.0
Cadmium	0.0033 B	0.00049 B		0.0024 B	0.0723	"	0.0053 E		1.0
Chromium				0.0095 B	0.0104	"	0.0042 B	0.0031 BE	5.0
Lead	0.0385 E	0.0453 E	0.0137	1.02 E	0.710 E	"	0.0749 E	0.169 E	5.0

Table 6-3 (continued).
TCLP Results of Miscellaneous Waste Samples Collected at the Former Flintkote Plant Site.
(All concentrations in mg/l)

Sample Number Date Sampled Sample Depth Sample Description	W-1 8/7/96 0"-2" Tar	W-2 8/7/96 0"-2" Tar	W-7 12/21/99 0"-2" Tar	300-E 11/19/99 8'-12' Felt	300-F 11/19/99 8'-12' Misc. Fill	300-F 11/19/99 9'-10' Powder	300-J 11/17/99 4'-8' Foam	W-6 12/17/99 0"-2" Grease	Regulatory Level (mg/l)
Inorganic Compounds (continued)									
Mercury						N/A			0.2
Selenium			0.0062			"			1.0
Silver						"	0.0016 B		5.0

E Estimated concentration that exceeds the calibration range.
B Analyte is found in the associated blank as well as in the sample (organic analyses) or the value is greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganic analyses).
N Spike sample recovery is not within the control limits.
N/A Not analyzed.
Exceedances are shaded.
Only compounds detected are reported.

Table 6-4.
Analytical Results of Ash Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-3 8/7/96 0.75'-2.5' Ash	W-4 8/7/96 1'-2' Ash	SB-1 11/18/99 4'-8' Ash	SB-2 11/18/99 0'-4' Ash	SB-2 11/18/99 4'-8' Ash	SB-3 11/18/99 0'-4' Ash	SB-6 11/18/99 0'-4' Ash	SB-6 11/18/99 4'-8' Ash
Volatile Organic Compounds									
Carbon Disulfide	2,700					3 J		N/A	N/A
Trichloroethene	700			2 J				"	"
Toluene	1,500			2 BJ			2 BJ	"	"
Freon 113	6,000			10 J			9 J	"	"
Total Volatile TICs	NS			24 J			9 J	"	"
Semivolatile Organic Compounds									
Diethylphthalate	7,100	190 J (160 J)							
Di-n-butylphthalate	8,100	740 J (410 J)	20,000 J (1,500)						
Butylbenzylphthalate	50,000		710 J (32,000 J)						
Bis(2-ethylhexyl)phthalate	50,000	5,900 (2,300)	190,000 (150,000)						
Di-n-octylphthalate	50,000		21,000 E (9,300 J)						
Phenol	30		110 J						
Carbazole	NS	47 J (44 J)	110 J		2,200 J		1,400 J		
2-Methylnaphthalene	36,400	74 J (76 J)	97 J				850 J		
Dibenzo(a,h)anthracene	14	79 J (63 J)	130 J						
Benzo(a)anthracene	224	660 (700 J)	1,400 J (4,700 E)		6,600 J	940 J	13,000		590 J
Acenaphthene	50,000	79 J (67 J)	110 J		1,500 J		2,300 J		
Phenanthrene	50,000	510 J (1,300)	870 J (2,400 J)		16,000	2,300 J	24,000		
Fluorene	50,000	85 J (75 J)	160 J		1,500 J		2,700 J		

Table 6-4 (continued).
Analytical Results of Ash Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-3 8/7/96 0.75'-2.5' Ash	W-4 8/7/96 1'-2' Ash	SB-1 11/18/99 4'-8' Ash	SB-2 11/18/99 0'-4' Ash	SB-2 11/18/99 4'-8' Ash	SB-3 11/18/99 0'-4' Ash	SB-6 11/18/99 0'-4' Ash	SB-6 11/18/99 4'-8' Ash
Semivolatile Organic Compounds (continued)									
Naphthalene	13,000	92 J	61 J				1,100 J		
Anthracene	50,000	230 J (180 J)	710		4,100 J	490 J	6,300 J		
Pyrene	50,000	1,700 J (2,700)	3,600 (5,300 J)		15,000	2,300 J	27,000		880 J
Benzo(g,h,i)perylene	50,000	340 J (290 J)	1,200 (1,500 J)		1,500 J		2,400 J		
Benzo(a)pyrene	61	750 (770 J)	4,100 J		6,200 J	810 J	12,000		760 J
Indeno(1,2,3-cd)pyrene	3,200	290 J	1,700 (2,100 J)		1,600 J		2,600 J		
Benzo(b)fluoranthene	224	660 J (1,200)	2,000 (4,800 J)		7,000 J	1,300 J	12,000		1,400 J
Fluoranthene	50,000	890 J (1,300)	2,200 (6,100 J)		19,000	2,700 J	30,000		1,000 J
Benzo(k)fluoranthene	224	240 J (330 J)	790 J (2,700 J)		3,300 J		5,400 J		
Acenaphthylene	50,000	61 J (45 J)	130 J				920 J		
Chrysene	400	700 (700 J)	1,400 J (3,000 J)		6,500 J	1,000 J	14,000		660 J
Dibenzofuran	6,200	50 J (41 J)	52 J		1,100 J		1,900 J		
1,1,2,2-Tetrachloroethane	600			400 J					
Total Semivolatile TICs	NS	38,030 J (44,460 J)	93,500 J (150,000 J)	6,770 J	13,500 J	7,000 J	61,500 J	9,100 J	4,400 J
PCBs									
Aroclor-1248			480 PX	N/A		N/A		N/A	N/A
Aroclor-1254		110 JP	140 JX	"	190 P	"		"	"
Aroclor-1260				"	94.0	"		"	"
Total PCBs	10,000	110.0	620.0	"	284.0	"		"	"

Table 6-4 (continued).
Analytical Results of Ash Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-3 8/7/96 0.75'-2.5' Ash	W-4 8/7/96 1'-2' Ash	SB-1 11/18/99 4'-8' Ash	SB-2 11/18/99 0'-4' Ash	SB-2 11/18/99 4'-8' Ash	SB-3 11/18/99 0'-4' Ash	SB-6 11/18/99 0'-4' Ash	SB-6 11/18/99 4'-8' Ash
Inorganic Compounds									
Iron	2,000	62,000 E	91,100 E	78,000	236,000	322,000	258,000	252,000	197,000
Lead	1,000	5,150 E	2,830 E	4,880	3,100	5,970	5,370	13,500	19,300
Nickel	13	208.0	204.0	299.0	1,280	177.0	142.0	67.6	74.1
Silver	SB	5.9	3.9	4.8	7.1	10.0	17.0	15.0	23.6
Arsenic	7.5	31.9	14.7	38.9	48.9	63.6	41.7	79.1	71.4
Barium	300	6,190 E	1,680 E	9,190	332.0	638.0	652.0	1,670	2,990
Cadmium	10	22.3	14.9	41.9	40.0	43.4	61.6	20.7	24.6
Chromium	50	169.0	62.0	249.0	48.8	56.2	61.3	199.0	257.0
Cobalt	30	19.8	12.5	19.0	28.8	30.7	18.0	24.6	26.3
Copper	25	1,670 EN	6,910 EN	15,800	25,100	22,100	35,800	5,380	22,100
Zinc	20	12,400	8,190	3,800 E	3,340 E	3,260 E	4,060 E	3,830 E	3,840 E
Selenium	2	3.8	4.6	5.4	12.3	16.0	14.5	13.0	9.0
Mercury	0.1	2.8 N	2.7 N	0.62	3.0	13.8	12.8	19.8	65.8

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
X Manually integrated and calculated.
N Spike sample recovery is not within control limits (inorganics).
E Concentration exceeds the calibration range of the instrument (organics) or estimated concentration due to the presence of interference (inorganics).
B Analyte was detected in the associated blank as well as the sample (organics) or value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
Only compounds detected are reported. Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-4 (continued).
Analytical Results of Miscellaneous Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-1 8/7/96 0"-2" Hard Tar	W-2 8/7/96 0"-2" Soft Tar	SB-5 11/18/99 4'-8' Misc Fill *
Volatile Organic Compounds				
Benzene	60		31.0	N/A
Toluene	1,500		8 J	"
Pentane	NS		13 J	"
Total Volatile TICs	NS	49 J (13 J)	27 J	"
Semivolatile Organic Compounds				
Diethylphthalate	7,100		980 J	
Di-n-butylphthalate	8,100		260 J	
Bis(2-ethylhexyl)phthalate	50,000	1,000 J	1,700 J	11,000 BJ
2-Methylnaphthalene	36,400		350 J	
Benzo(a)anthracene	224	1,400 J		
Phenanthrene	50,000	360 J	470 J	
Pyrene	50,000	1,400 J		
Benzo(a)pyrene	61	1,500 J		
Benzo(b)fluoranthene	224	740 J		
Fluoranthene	50,000	310 J		
Benzo(k)fluoranthene	224	880 J		
Chrysene	400	1,700 J	790 J	
Total Semivolatile TICs	NS	372,300 J	387,500 J (286,400 J)	126,500 J

Table 6-4 (continued).
Analytical Results of Miscellaneous Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-1 8/7/96 0"-2" Tar	W-2 8/7/96 0"-2" Tar	SB-5 11/18/99 4'-8' Misc Fill *
PCB/Pesticides				
Aldrin	41	5.6 JP		N/A
Endrin	100	1.6 JP		"
Endosulfan II	900	18 J		"
4,4'-DDD	2,900	12 JP		"
Endrin Aldehyde	NS	2.9 JP		"
Alpha-Chlordane	540	2.5 JP		"
Gamma-Chlordane	540	3.1 JP		"
Aroclor-1248				970 P (1,700 J)
Aroclor-1254				2,300 (4,100 P)
Aroclor-1260				690 P (7,100)
Total PCBs	10,000			3,960 (12,900)
Inorganic Compounds				
Iron	2,000	855 E	4,540 E	254,000
Lead	1,000	11.2 E	24.5 E	1,320
Nickel	13	2.4 B	12.8	352.0
Silver	SB			3.2
Arsenic	7.5		3.0	53.2
Barium	300	4.0 BE	4.4 BE	496.0
Cadmium	10	0.16 B	0.15 B	23.4

Table 6-4 (continued).
Analytical Results of Miscellaneous Samples Collected from the Island at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	W-1 8/7/96 0"-2" Tar	W-2 8/7/96 0"-2" Tar	SB-5 11/18/99 4'-8' Misc Fill *
Inorganic Compounds				
Chromium	50	1.3 B	15.4	156.0
Cobalt	30	0.35 B	4.0 B	31.0
Copper	25	5.5 BEN	15.1 EN	11,100
Zinc	20	325.0	46.9	3,140 E
Selenium	2			14.9
Mercury	0.1		0.1 N	2.8

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
N Spike sample recovery is not within control limits (inorganics).
E Estimated concentration due to the presence of interference (inorganics).
B Analyte was detected in the associated blank as well as the sample (organics) or value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
* Miscellaneous fill consists of ash and black, vitreous, plastic-like material.
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-4 (continued).
Analytical Results of Ash Collected from 198 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	198-B 11/16/99 16'-20' Ash	198-D 11/16/99 0'-4' Ash	198-D 11/16/99 4'-8' Ash	198-D 11/16/99 16'-20' Ash	198-E 11/17/99 0'-4' Ash	198-E 11/17/99 8'-12' Ash	198-E 11/17/99 14' Ash	198-E 11/17/99 15'-16' Ash
Volatile Organic Compounds									
2-Butanone	300	N/A		N/A	N/A			51.0	130.0
Carbon Disulfide	2,700	"		"	"			16 J	8 J (21 J)
Toluene	1,500	"		"	"	2 BJ		2 BJ	2 BJ
Freon 113	6,000	"		"	"	10 J		10 J	12 J
Hexane	NS	"		"	"				9 J
Total Volatile TICs	NS	"	9 J	"	"	16 J	16 J	17 J (62 J)	38 J (93 J)
Semivolatile Organic Compounds									
Dimethylphthalate	2,000			N/A		520 J		N/A	
Di-n-butylphthalate	8,100		2,600 J	"		820 J		"	
Bis(2-ethylhexyl)phthalate	50,000		6,300	"		9,900	2,800 J	"	
Di-n-octylphthalate	50,000			"		550 J		"	
Benzo(a)anthracene	224		1,200 J	"	930 J	1,100 J		"	820 J
Phenanthrene	50,000		990 J	"	740 J	1,700 J		"	1,000 J
Anthracene	50,000			"		380 J		"	
Pyrene	50,000		2,200 J	"	1,400 J	2,000		"	1,700 J
Benzo(g,h,i)perylene	50,000		560 J	"		350 J		"	
Benzo(a)pyrene	61		1,500 J	"	880 J	1,200 J		"	760 J
Indeno(1,2,3-cd)pyrene	3,200			"		240 J		"	
Benzo(b)fluoranthene	224		1,400 J	"	1,900 J	1,300 J	550 J	"	1,400 J

Table 6-4 (continued).
Analytical Results of Ash Collected from 198 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	198-B 11/16/99 16'-20' Ash	198-D 11/16/99 0'-4' Ash	198-D 11/16/99 4'-8' Ash	198-D 11/16/99 16'-20' Ash	198-E 11/17/99 0'-4' Ash	198-E 11/17/99 8'-12' Ash	198-E 11/17/99 14' Ash	198-E 11/17/99 15'-16' Ash
Semivolatile Organic Compounds (continued)									
Fluoranthene	50,000		1,600 J	N/A	1,700 J	2,000		N/A	1,700 J
Benzo(k)fluoranthene	224		490 J	"		520 J		"	
Chrysene	400		1,800 J	"	1,100 J	1,400 J		"	1,000 J
Total Semivolatile TICs	NS	4,180 J	37,260 J	"	12,000 J	26,570 J	26,600 J	"	37,200 J
PCBs									
Aroclor-1248		N/A	N/A	N/A	N/A	3,500	N/A	N/A	N/A
Aroclor-1254		"	"	"	"	2,500 P	"	"	"
Aroclor-1260		"	"	"	"	840 P	"	"	"
Total PCBs	10,000	"	"	"	"	6,840	"	"	"
Inorganic Compounds									
Iron	2,000	17,000	198,000	137,000	99,900	303,000	187,000	N/A	109,000
Lead	1,000	144.0	6,980	23,100	1,060	5,230	10,200	"	1,310
Nickel	13	3,560	334.0	222.0	79.0	988.0	455.0	"	85.3
Silver	SB		10.5	5.3	1.4 B	10.8	12.0	"	1.2 B
Arsenic	7.5	15.5	47.2	82.6	37.4	45.3	67.6	"	20.0
Barium	300	179.0	2,200	1,330	530.0	917.0	3,940	"	493.0
Cadmium	10	1.2	26.2	15.6	4.7	77.1	40.4	"	4.3
Chromium	50	11.2	134.0	100.0	54.8	176.0	314.0	"	47.2
Cobalt	30	31.2	21.8	26.5	15.2	34.6	26.9	"	12.1 B

Table 6-4 (continued).
Analytical Results of Ash Collected from 198 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	198-B 11/16/99 16'-20' Ash	198-D 11/16/99 0'-4' Ash	198-D 11/16/99 4'-8' Ash	198-D 11/16/99 16'-20' Ash	198-E 11/17/99 0'-4' Ash	198-E 11/17/99 8'-12' Ash	198-E 11/17/99 14' Ash	198-E 11/17/99 15'-16' Ash
Inorganic Compounds (continued)									
Copper	25	19,400	11,400	16,500	3,450	27,500	10,200	N/A	1,030
Zinc	20	3,030 E	3,360 E	3,590 E	2,870 E	3,810 E	4,380 E	"	2,290 E
Selenium	2	2.2	11.4	6.1	7.1	17.2	11.7	"	6.4
Mercury	0.1	0.22 N	26.7 N	4.8 N	3.5 N	5.6 N	8.8 N	"	2.5 N

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
N Spike sample recovery is not within control limits (inorganics).
E Estimated concentration due to the presence of interference (inorganics).
B Analyte was detected in the associated blank as well as the sample (organics) or value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-4 (continued).
Analytical Results of Ash Samples Collected from 198 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	198-G 11/17/99 0.75'-1' Ash	198-G 11/17/99 4'-5' Ash & Felt	198-I 11/16/99 0'-4' Ash	198-J 11/17/99 0'-4' Ash
Volatile Organic Compounds					
Carbon Disulfide	2,700	2 J			N/A
Total Volatile TICs	NS	13 J			"
PCBs					
Aroclor-1248		N/A	N/A	N/A	
Aroclor-1254		"	"	"	230 P
Aroclor-1260		"	"	"	
Total PCBs	10,000	"	"	"	230.0

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
NS No standard or guidance value available.
N/A Not analyzed.
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-4 (continued),
Analytical Results of Ash Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-B 11/19/99 0'-4' Ash	300-D 11/19/99 0'-4' Ash	300-E 11/19/99 0'-4' Ash	300-E 11/19/99 20'-24' Ash	300-H 11/19/99 4'-8' Ash	300-I 11/19/99 0'-4' Ash	W-5 12/17/99 2' Ash
Volatile Organic Compounds								
Total Volatile TICs	NS	6 J		6 J	N/A	N/A	N/A	19 J
Semivolatile Organic Compounds								
Diethylphthalate	7,100	53 J	N/A	N/A				
Di-n-butylphthalate	8,100		"	"				88 J
Bis(2-ethylhexyl)phthalate	50,000		"	"				230 J
Carbazole	NS	70 J	"	"				
2-Methylnaphthalene	36,400	1,000	"	"		2,000 J (1,500 J)	980 J	120 J
Benzo(a)anthracene	224	590.0	"	"			540 J	300 J
Phenanthrene	50,000	790.0	"	"		1,200 J (890 J)	1,200 J	270 J
Fluorene	50,000	63 J	"	"				
Naphthalene	13,000	630.0	"	"		1,200 J (950 J)	440 J	63 J
Anthracene	50,000	120 J	"	"				
Pyrene	50,000	1,000	"	"		600 J (450 J)	1,100 J	740.0
Benzo(g,h,i)perylene	50,000	98 J	"	"				150 J
Benzo(a)pyrene	61	510.0	"	"			500 J	360 J
Indeno(1,2,3-cd)pyrene	3,200	120 J	"	"				140 J
Benzo(b)fluoranthene	224	1,400	"	"		410 J	820 J	680.0
Fluoranthene	50,000	1,000	"	"			880 J	660.0
Benzo(k)fluoranthene	224		"	"				190 J

Table 6-4 (continued).
Analytical Results of Ash Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-B 11/19/99 0'-4' Ash	300-D 11/19/99 0'-4' Ash	300-E 11/19/99 0'-4' Ash	300-E 11/19/99 20'-24' Ash	300-H 11/19/99 4'-8' Ash	300-I 11/19/99 0'-4' Ash	W-5 12/17/99 2' Ash
Semivolatile Organic Compounds (continued)								
Acenaphthylene	50,000	150 J	N/A	N/A				99 J
Chrysene	400	650.0	"	"		450 J	780 J	420 J
Dibenzofuran	6,200	330 J	"	"		520 J (380 J)	310 J	
Pentachlorophenol	1,000		"	"				170 J
1,1,2,2-Tetrachloroethane	600	340 J	"	"				
Total Semivolatile TICs	NS	12,270 J	"	"	13,300 J	58,600 J (49,000 J)	14,200 J	17,660 J
PCB/Pesticides								
Dieldrin	44	N/A	N/A	N/A	N/A	N/A	N/A	41.0
Endrin	100	"	"	"	"	"	"	3.3 J
4,4'-DDD	2,900	"	"	"	"	"	"	4.7 JP
4,4'-DDT	2,100	"	"	"	"	"	"	89.0
Endrin Aldehyde	NS	"	"	"	"	"	"	3.4 JP
Aroclor-1254	10,000	22 JP	25 J		"	"		
Inorganic Compounds								
Iron	2,000	16,600	N/A	N/A	34,700	30,600	11,300	20,700 E
Lead	1,000	118.0	"	"	333.0	50.0	73.7	442 E
Nickel	13	16.0	"	"	37.2	8.6	10.9	31.4
Silver	SB		"	"	1.6 B			0.61 B
Arsenic	7.5	43.0	"	"	26.3	49.6	11.2	188 E

Table 6-4 (continued).
Analytical Results of Ash Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-B 11/19/99 0'-4' Ash	300-D 11/19/99 0'-4' Ash	300-E 11/19/99 0'-4' Ash	300-E 11/19/99 20'-24' Ash	300-H 11/19/99 4'-8' Ash	300-I 11/19/99 0'-4' Ash	W-5 12/17/99 2' Ash
Inorganic Compounds (continued)								
Barium	300	125.0	N/A	N/A	160.0	82.4	91.7	92.7 E
Cadmium	10		"	"	0.85 B			2.0
Chromium	50	13.7	"	"	23.0	9.3	5.7	111 E
Cobalt	30	3.4 B	"	"	6.7 B	3.5 B	4.8 B	6.1 B
Copper	25	85.8	"	"	2,120	46.1	48.4	53.6 E
Zinc	20	109.0	"	"	645.0	88.3	74.8	1,160 E
Selenium	2	3.1	"	"	2.1	4.7		
Mercury	0.1	2.4	"	"	0.18	0.29	0.14	0.27

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
E Estimated concentration due to the presence of interference (inorganics).
B Value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-4 (continued).
Analytical Results of Miscellaneous Waste Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-E 11/19/99 4'-8' Misc. Fill *	300-F 11/19/99 8'-12' Misc. Fill **	300-F 11/19/99 9'-10' Gray Powder	300-F 11/19/99 16'-17' Brown Powder	W-6 12/17/99 0' Grease
Volatile Organic Compounds						
2-Butanone	300					17.0
4-Methyl-2-Pentanone	1,000					14.0
Toluene	1,500		13 J	8 J		2 J
Ethylbenzene	5,500		21 J	8 J		
Total Xylenes	1,200		50 J	18 J	1 J	
Naphthalene	13,000		5,500 J	1,900 J	240 J	
Total Volatile TICs	NS		5,861 J	1,927 J	246 J	33 J (4 J)
Semivolatile Organic Compounds						
Bis(2-ethylhexyl)phthalate	50,000		2,200 BJ		N/A	
Carbazole	NS		30,000 (43,000 J)	16,000 (21,000 J)	"	
2-Methylnaphthalene	36,400		50,000 (75,000 J)	24,000 (37,000 J)	"	
Dibenzo(a,h)anthracene	14		5,800 J (15,000 J)	3,200 J	"	
Benzo(a)anthracene	224		100,000 (200,000)	57,000 (100,000)	"	
Acenaphthene	50,000		52,000 (85,000 J)	27,000 (38,000 J)	"	
Phenanthrene	50,000		770,000	410,000	"	
Fluorene	50,000		84,000 (150,000)	42,000 (72,000 J)	"	
Naphthalene	13,000		180,000	54,000 (90,000)	"	
Anthracene	50,000		81,000 (140,000 J)	41,000 (73,000 J)	"	
Pyrene	50,000		580,000	320,000	"	

Table 6-4 (continued).
Analytical Results of Miscellaneous Waste Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-E 11/19/99 4'-8' Misc. Fill *	300-F 11/19/99 8'-12' Misc. Fill **	300-F 11/19/99 9'-10' Gray Powder	300-F 11/19/99 16'-17' Brown Powder	W-6 12/17/99 0' Grease
Semivolatile Organic Compounds (continued)						
Benzo(g,h,i)perylene	50,000		14,000 J (59,000 J)	11,000 (19,000 J)	N/A	
Benzo(a)pyrene	61		180,000	100,000	"	
Indeno(1,2,3-cd)pyrene	3,200		18,000 (54,000 J)	10,000 (18,000 J)	"	
Benzo(b)fluoranthene	224		190,000	110,000	"	
Fluoranthene	50,000		450,000	240,000	"	
Benzo(k)fluoranthene	224		44,000 (57,000 J)	25,000 (44,000 J)	"	
Acenaphthylene	50,000		5,400 J	3,000 J	"	
Chrysene	400		110,000 (230,000)	57,000 (120,000)	"	
Dibenzofuran	6,200		47,000 (73,000 J)	22,000 (35,000 J)	"	
Biphenyl	NS		8,200 J	4,000 J	"	
4-Methyldibenzofuran	NS		15,000 J	7,400 J	"	
Dibenzothiophene	NS		39,000 J	18,000 J	"	
Total Semivolatile TICs	NS	272,800 J	464,700 J (1,404,000 J)	221,200 J (668, 000 J)	"	5,550,000 J
PCB/Pesticides						
Beta-BHC	200	N/A	N/A	N/A	N/A	16 JP
Dieldrin	44	"	"	"	"	44 JP
4,4-DDE	2,100	"	"	"	"	120.0
Endrin	100	"	"	"	"	50 JP
Endosulfan II	900	"	"	"	"	10 JP

Table 6-4 (continued).
Analytical Results of Miscellaneous Waste Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-E 11/19/99 4'-8' Misc. Fill *	300-F 11/19/99 8'-12' Misc. Fill **	300-F 11/19/99 9'-10' Gray Powder	300-F 11/19/99 16'-17' Brown Powder	W-6 12/17/99 0' Grease
PCB/Pesticides (continued)						
4,4'-DDD	2,900	N/A	N/A	N/A	N/A	87 P
Endosulfan Sulfate	1,000	"	"	"	"	43 J
Methoxychlor	NS	"	"	"	"	87 JP
Endrin Aldehyde	NS	"	"	"	"	58 JP
Alpha-Chlordane	540	"	"	"	"	17 J
Gamma-Chlordane	540	"	"	"	"	39 P
Total PCBs	10,000	"	"	"	"	
Inorganic Compounds						
Iron	2,000	N/A	31,200	36,100	N/A	N/A
Lead	1,000	"	461.0	745.0	"	"
Nickel	13	"	32.3	31.1	"	"
Silver	SB	"	0.55 B	0.97 B	"	"
Arsenic	7.5	"	102.0	74.0	"	"
Barium	300	"	225.0	332.0	"	"
Cadmium	10	"	4.3	7.5	"	"
Chromium	50	"	30.1	37.3	"	"
Cobalt	30	"	6.9 B	6.7 B	"	"
Copper	25	"	1,070	9,760	"	"
Zinc	20	"	1,570	2,550	"	"

Table 6-4 (continued).
Analytical Results of Miscellaneous Waste Samples Collected from 300 Mill Street at the Former Flintkote Plant Site.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Description	TAGM 4046 Soil Cleanup Objective	300-E 11/19/99 4'-8' Misc. Fill *	300-F 11/19/99 8'-12' Misc. Fill **	300-F 11/19/99 9'-10' Gray Powder	300-F 11/19/99 16'-17' Brown Powder	W-6 12/17/99 0' Grease
Inorganic Compounds (continued)						
Selenium	2	N/A	4.8	3.1	N/A	N/A
Mercury	0.1	"	3.0	1.8	"	"

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
B Analyte was detected in the associated blank as well as the sample (organics) or value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
* Miscellaneous fill consists of ash, fine grained powder, black felt-like material, glass, coal and mica flakes.
** Miscellaneous fill consists of ash, brick, slag, coal, fine grained powder, ceramic and metal.
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

Table 6-5. Summary of Groundwater Analytical Results for the Former Flintkote Plant Site. (All concentrations in µg/l)						
Parameter	**Groundwater Standards ***	**198-E; 12/20/99**	**198-F; 12/20/99**	**300-F; 12/21/99**	**300-J; 12/20/99**	**MW-6; 12/20/99**
Volatile Organic Compounds						
Toluene	5	ND (10)	ND (10)	1 J	ND (10)	ND (10)
Semi-Volatile Compounds						
Naphthalene	10G	ND (47)	20 J	62 J	ND (10)	ND (9)
Phenanthrene	50G	10 J	ND (10)	N/A	ND (10)	ND (9)
Fluoranthene	50G	9 J	ND (10)	N/A	1 J	ND (9)
Pyrene	50G	9 J	ND (10)	N/A	1 J	ND (9)
Benzo(b)fluoranthene	0.002G	5 J	ND (10)	N/A	1 J	ND (9)
Bis(2-ethylhexyl)phthalate	5	ND (47)	ND (10)	N/A	ND (10)	2 J
Pesticides/PCBs						
Aroclor-1254	0.09	ND (1)	6.2	N/A	ND (1)	ND (1)
Inorganic Compounds						
Arsenic	25	92.5	37.9	238	70.4	42.0
Barium	1,000	3,830 EN	2,060 EN	1,150 EN	959 EN	911 EN
Cadmium	5	96.9 E	67.2 E	12.2 E	8.4 E	1.0 BEN
Chromium	50	388 N	158 N	218 N	245 N	194 N
Cobalt	NS	52.1	45.0 B	41.3 B	61.3	72.0
Copper	200	13,200	3,580	980	3,270	1,450
Iron	300	402,000	101,000	93,900	157,000	132,000
Lead	25	12,100	3,640	1,460	1,280	1,060
Manganese	300	2,860	7,750	2,090	4,300	9,840
Mercury	0.7	2.1	0.21	9.7	ND (0.2)	ND (0.2)
Nickel	100	649	387	175	163	173
Silver	50	19.9	21.4	3.5 B	3.9 B	1.9 B
Zinc	2,000G	24,700	34,100	3,780	4,170	2,560

Table 6-5 (continued).
Summary of Groundwater Analytical Results for the Former Flintkote Plant Site.
(All concentrations in µg/l)

*	NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998.
G	Guidance value.
J	Estimated value. The indicated value is less than the sample quantification limit but greater than zero.
E	Indicates a value estimated due to the presence of interference (inorganics).
B	Concentration greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
N	Spike recovery is not within the control limits (inorganics).
ND	Indicates that the compound was not detected at the method detection limit specified in parentheses.
NS	No standard or guidance value available.
	Shaded values equal or exceed groundwater standards or guidance values (ARARs).

Table 6-6.
Summary of Surface Water Analytical Results for the Former Flintkote Plant Site.
(All concentrations in µg/l)

Parameter	Surface Water Standards *	SW-1; 12/17/99				
Semi-Volatile Compounds						
Bis(2-ethylhexyl)phthalate	5	1 J				
Di-n-octylphthalate	NS	1 J				
Total Semivolatile TICs	NS	189 J				
Pesticides/PCBs						
Aroclor-1254	0.09	ND (0.94)				
Inorganic Compounds						
Arsenic	50	ND (3.5)				
Barium	1,000	53.9 BE				
Cadmium	5	ND (0.7)				
Chromium	50	4.0 BE				
Cobalt	5	ND (1.5)				
Copper	200	5.4 BE				
Iron	300	2,280 E				
Lead	50	ND (3)				
Mercury	0.7	ND (0.2)				
Nickel	100	2.8 B				
Selenium	10	ND (5)				
Silver	50	ND (1.5)				
Zinc	2,000G	27.2 E				

* NYSDEC Ambient Water Quality Standards and Guidance Values, June 1998.
G Guidance value.
J Estimated value. The indicated value is less than the sample quantification limit but greater than zero.
E Indicates a value estimated due to the presence of interference (inorganics).
B Concentration greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
ND Indicates that the compound was not detected at the method detection limit specified in parentheses.
Shaded values equal or exceed groundwater standards or guidance values (ARARs).

Table 6-7.
Analytical Results of Sediment Samples Collected from Eighteenmile Creek and the Millrace at the Former Flintkote Plant Site.
Results Summarized from Upstream (SED-6) to Downstream (SED-1) Locations.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Location	Sediment Criteria **	SED-6 8/7/96 0"-2" Olcott St.	SED-5 8/7/96 0"-2" 300 Mill	SED-A 10/27/95 0"-2" William St.	SED-4 8/7/96 0"-2" Millrace	SED-3 8/7/96 0"-2" Millrace	SED-2 8/7/96 0"-2" Millrace	SED-1 8/7/96 0"-2" Downstream
Semivolatile Organic Compounds								
Di-n-butylphthalate	NS	220 J (190 J)	130 J	N/A	190 J (40 J)	69 J	350 J	82 J
Butylbenzylphthalate	NS	210 J (1,600)		"		56 J		210 J (110 J)
Bis(2-ethylhexyl)phthalate	199,500	1,400 (980 J)	7,200 (15,000)	"	1,500 (760 J)	840 (440 J)	3,300 (44,000)	6,600 (1,500)
Carbazole	NS	850 (560 J)	170 J (220 J)	"	250 J (400 J)	120 J (140 J)	310 J	92 J
2-Methylnaphthalene	NS	70 J	80 J	"	55 J		43 J	
Dibenzo(a,h)anthracene	NS	82 J (770 J)		600 P	160 J (200 J)	69 J (120 J)	56 J	130 J
Benzo(a)anthracene	1,300 *	3,100 (5,800)	4,400 (5,700)	1,700 P	3,400 (1,900)	1,200 (840)	1,900 (1,500)	1,300 (730 J)
Acenaphthene	140,000	430 J (600 J)	290 J (180 J)		150 J (270 J)	46 J (66 J)	87 J (230 J)	42 J (28 J)
Phenanthrene	120,000	9,400 (4,400)	2,400 (3,600 J)	1,200	3,300 (2,700)	980 (1,100)	1,900 (2,700)	820 J (670 J)
Fluorene	NS	510.0 (1,100 J)	320 J (390 J)		300 J (320 J)	93 J	200 J (330 J)	67 J (55 J)
Naphthalene	NS	240 J (85 J)	130 J (100 J)		85 J			
Anthracene	NS	2,300 J (1,100 J)	570 J (840 J)		860 J (710 J)	180 J (250 J)	350 J (630 J)	120 J
Pyrene	NS	10,000 (5,900)	5,900 (8,400)	3,300 P	7,400 (3,200)	3,100 (1,700)	6,100 (2,800)	3,200 (1,600)
Benzo(g,h,i)perylene	NS	810.0 (3,200 J)	1,600 (27,000 J)	1,400	610 J (580 J)	330 J (410 J)	270 J (1,300 J)	520 J (570 J)
Benzo(a)pyrene	1,300 *	3,500 (6,000)	3,200 (5,000)	1,900	2,000 (1,800)	1,200 (980)	990 J (1,800 J)	1,400 (1,000)
Indeno(1,2,3-cd)pyrene	1,300 *	1,100 (3,300 J)	1,000 (2,100 J)	1,400 P	790 J (840 J)	450 J (560 J)	350 J (1,300 J)	660 J (600 J)
Benzo(b)fluoranthene	1,300 *	7,500 (4,200)	5,100 (8,300)	1,800	4,200 (2,700)	2,000 (1,400)	1,300 (2,300 J)	2,300 (1,500)
Fluoranthene	1,020,000	13,000 (8,300)	4,500 (6,000)	3,700	5,900 (3,600)	2,700 (2,200)	3,900 (3,300)	4,400 (1,800)
Benzo(k)fluoranthene	1,300 *	2,800 (1,600)	1,700	1,000	1,700 (890 J)	840 (480 J)	680 J (350 J)	970 (540 J)

Table 6-7 (continued).
Analytical Results of Sediment Samples Collected from Eighteenmile Creek and the Millrace at the Former Flintkote Plant Site.
Results Summarized from Upstream (SED-6) to Downstream (SED-1) Locations.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Location	Sediment Criteria **	SED-6 8/7/96 0"-2" Olcott St.	SED-5 8/7/96 0"-2" 300 Mill	SED-A 10/27/95 0"-2" William St.	SED-4 8/7/96 0"-2" Millrace	SED-3 8/7/96 0"-2" Millrace	SED-2 8/7/96 0"-2" Millrace	SED-1 8/7/96 0"-2" Downstream
Semivolatile Organic Compounds (continued)								
Acenaphthylene	NS	190 J (85 J)	160 J (150 J)		140 J (110 J)	47 J	130 J (150 J)	66 J (46 J)
Chrysene	1,300 *	2,500 (5,500)	4,200 (6,100)	1,900	2,400 (1,800)	1,100 (1,000)	1,500 (1,300)	1,300 (910)
Dibenzofuran	NS	170 J (440 J)	100 J	N/A	150 J	44 J	140 J	
Total Semivolatile TICs	NS	6,250 J (32,130 J)	12,430 J (54,900 J)	"	13,720 J (21,190 J)	9,950 J (9,980 J)	83,400 J (6,600 J)	112,600 J (26,330 J)
PCBs								
Aroclor-1248		4,800 X	4,900 PX		5,700 PX		2,100 X	4,100 X
Aroclor-1254		770 PX	3,900 PX		440 JPX	360.0	860 JPX	2,000 PX
Aroclor-1260								
Total PCBs	19,300	5,570	8,800	4,072 (2,138)	6,140	360.0	2,960	6,100
Dioxin								
2,3,7,8-TCDD	10 *	N/A	N/A	0.0024 @	N/A	N/A	N/A	N/A
2,3,7,8-TCDD, Toxic Equiv.	NS	"	"	0.1546	"	"	"	"
Inorganic Compounds								
Iron	20,000	16,200 E	293,000 E	13,600	30,400 E	16,300 E	13,900 E	19,800 E
Lead	31	805 E	5,940 E	343.0	398 E	189 E	558 E	362 E
Nickel	16	11.8 B	333.0	29.9	32.7	20.2	31.1	29.8
Silver	1	0.66 B	15.4	1.4	1.1 B	0.86 B	3.9 B	2.6 B
Arsenic	6	3.5	36.8	4.7	6.3	2.1 B	4.8 B	3.6 B

Table 6-7 (continued).
Analytical Results of Sediment Samples Collected from Eighteenmile Creek and the Millrace at the Former Flintkote Plant Site.
Results Summarized from Upstream (SED-6) to Downstream (SED-1) Locations.
(Organic compound concentrations in ppb; inorganic compound concentrations in ppm)

Sample Number Date Sampled Sample Depth Sample Location	Sediment Criteria **	SED-6 8/7/96 0"-2" Olcott St.	SED-5 8/7/96 0"-2" 300 Mill	SED-A 10/27/95 0"-2" William St.	SED-4 8/7/96 0"-2" Millrace	SED-3 8/7/96 0"-2" Millrace	SED-2 8/7/96 0"-2" Millrace	SED-1 8/7/96 0"-2" Downstream
Inorganic Compounds (continued)								
Barium	NS	142 E	784 E	N/A	167 E	100 E	322 E	142 E
Cadmium	0.6	3.0	26.3	1.3	0.12 B	0.2 B	3.1 B	1.5 B
Chromium	26	18.5	167.0	28.2	43.9	20.7	74.0	36.0
Cobalt	NS	3.5 B	23.4 B	N/A	9.8 B	6.6 B	6.2 B	8.3 B
Copper	16	388 EN	7,550 EN	244.0	181 EN	108 EN	415 EN	352 EN
Zinc	120	905.0	13,000	483.0	723.0	427.0	1,020	712.0
Selenium	NS	1.4 B	14.5	0.95	3.0 B		4.0	3.0
Mercury	0.15		4.9 N	1.025	0.69 N	0.26 N	2.1 N	0.73 N

J Compound reported at an estimated concentration below the reporting limit.
P >25% difference between the analytical results on two GC columns. The lower value is reported.
X Manually integrated and calculated.
@ Estimated concentration below the lower calibration limit but above the target detection limit.
N Spike sample recovery is not within control limits (inorganics).
E Estimated concentration due to the presence of interference (inorganics).
B Value greater than or equal to the instrument detection limit, but less than the contract required detection limit (inorganics).
NS No standard or guidance value available.
N/A Not analyzed.
SB Site background.
* Criteria for human bioaccumulation; no guidance value available for benthic aquatic life.
** Sediment criteria for chronic toxicity to benthic aquatic life (organics) or lowest effect level (inorganics).
Only compounds detected are reported.
Shaded values equal or exceed the soil cleanup objectives of TAGM 4046.

APPENDIX A

STRATIGRAPHIC LOGS AND WELL CONSTRUCTION DIAGRAMS

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-A
Site Number:	Unlisted	**Date Completed:**	11/16/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	20.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N-VALUE	BNU
	Ground Surface	**485.37**				
0.0	Trace topsoil with rootlets. Dry.		1			0.2
	0.0'-1.9': Dark gray to black ash with slag, coal and rootlets. Dry. FILL.	485.37				
	1.9'-4.0': Rusty brown ash with coke and slag. Dry. FILL.					
4.0	4.0'-8.0': Black ash grading to gray ash with slag, coke and coal. Dry. Bottom 0.1' is a tan, powdery ash. Dry. FILL.		2			0.2
8.0	8.0'-11.5': Dark gray ash with coke, slag and some rock fragments. Dry. FILL.		3			0.1
	11.5'-12.0': Reddish orange ash with brick and slag fragments. Dry. FILL.					
12.0	12.0'-14.0': Sample same as above with large black fragments. One such fragment is coated with a ceramic-like material. FILL.	Poor recovery	4			0.2
14.0	14.0'-16.0': Reddish brown to tan ash with slag, coal and some rock fragments. Dry. FILL.		5			0.2
16.0	16.0'-16.1': Reddish brown ash with coke and brick fragments. Dry. FILL.		6			0.0
	16.1'-18.0': Reddish brown silty clay with some rootlets and mottling. Moist. Bottom 0.3' is saturated with gray layers. NATIVE.	469.27				
18.0	18.0'-18.2': Gray silty clay with rock fragments. Saturated. NATIVE.		7			0.1
	18.2'-20.0': Reddish brown silty clay with natural organic matter. Moist. NATIVE. BOH=20.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-B
Site Number:	Unlisted	**Date Completed:**	11/16/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	20.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**484.37**				
0.0	Thin layer of topsoil with rootlets and humus. Dry.		1			0.1
	0.0'-3.0': Dark gray ash with slag and coke. FILL.	484.37				
	3.0'-3.4': Black ash with slag and coal. A piece of concrete observed below this zone. FILL.					
	3.4'-4.0': Dark gray ash with slag and coke. FILL.					
4.0	4.0'-4.6': Dark gray to black ash with slag and coal fines. Dry. FILL.		2			0.1
	4.6'-8.0': Rusty brown to deep red ash with much slag and pieces of white ceramic. Dry. FILL.					0.0
8.0	8.0'-8.5': Sample same as above. Dry. FILL.		3			0.0
	8.5'-12.0': Layered ash of various colors with slag. Colors include brown, dark red and orange red. Dry. FILL.					
12.0	12.0'-16.0': Layered ash of various colors with slag. Colors include dark red, reddish brown, gray, orange brown, and medium gray. Dry. FILL.		4			0.0
16.0	16.0'-17.7': Dark red ash with slag, coke and coal. Dry. FILL.	Sample sent to lab	5			0.0
	17.7'-18.1': Rock fragments with gray clay and rootlets. Saturated. NATIVE.	466.67				0.1
	18.1'-20.0': Reddish brown silty clay with rootlets and black mottling at top of sample. Moist. NATIVE.					
	BOH=20.0' bgs					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-C
Site Number:	Unlisted	**Date Completed:**	11/16/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	13.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**485.45**				
0.0	Thin zone of topsoil with roots.		1			0.2
	0.0'-4.0': Layered ash of various colors with slag, glass, coke, rock fragments, brick and buttons. Colors include black, rusty brown, white and reddish orange. Moist. FILL.	485.45				
4.0	4.0'-4.7': Gray ash with slag, coke and brick fragments. Dry. FILL.		2			0.0
	4.7'-5.3': Brown clayey silt with rock fragments. Dry. NATIVE.	480.75				
	5.3'-8.0': Layered zones of silt to clayey silt with rock fragments and rootlets. Color various shades of brown and tan. Bottom 0.3' compact and dense. Dry. NATIVE.					0.0
8.0	8.0'-9.1': Brown silty clay with mottling and few rock fragments. Compact and Dry. Same as bottom of previous sample. NATIVE.		3			0.0
	9.1'-9.4': Pinkish tan clayey silt with rock fragments at top of zone. Dry. NATIVE.					
	9.4'-12.0': Tan silt with some mottling and few rock fragments. Powdery and dry. NATIVE.					
12.0	12.0'-12.6': Sample same as above but less powdery and more grainy. Dry. NATIVE.		4			0.0
	12.6'-13.0': Yellow brown silt with mottling and rock fragments of various sizes. Dry. NATIVE.					
	13.0': Refusal. BEDROCK.	472.45				
	BOH=13.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-D
Site Number:	Unlisted	**Date Completed:**	11/16/1999
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	27.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**484.59**				
0.0	0.0'-4.0': Brown to rusty brown ash with coke, glass and buttons. Moist. FILL.	Sample sent to lab	1			1.0
4.0	4.0'-8.0': Rusty brown to black ash with coal, slag and some rock fragments. Moist. FILL.	Sample sent to lab	2			0.2
8.0	8.0'-8.4': Black ash with coke, coal and a large piece of glass. Moist. FILL.		3			0.4
	8.4'-8.8': Reworked reddish brown silty clay with some coke and ash. Moist. FILL.					
	8.8'-12.0': Red ash with coke, coal and some white ash. Dry. FILL.					0.2
12.0	12.0'-16.0': Sample appears to be fall-in.		4			0.1
16.0	16.0'-20.0': Dark ash with brick fragments, coke and cloth fragments. Bottom of sample is saturated with large slag fragments. A large rock fragment observed at bottom of sample. FILL.	Sample sent to lab	5			0.1
20.0	20.0'-20.3': Dark gray silty clay with rock fragments and slag. FILL.		6			0.0
	20.3'-24.0': Reddish brown silty clay with mottling and some wood. Moist. Bottom 0.6' is saturated and contains large rock fragments. NATIVE.	464.29				
24.0	24.0'-24.7': Sample same as above. NATIVE.		7			0.0
	24.7'-26.7': Brown, fine grained sand with silt, mottling and small rock fragments. Moist. NATIVE.					
	26.7'-27.0': Rock fragments. Dry. BEDROCK. BOH=27.0' bgs	457.89				

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-E
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	20.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**478.86**				
0.0	0.0'-4.0': Rusty brown ash with coal, plastic, coke and rock fragments. Moist to wet. FILL.	Sample sent to lab	1			0.6
4.0	4.0'-8.0': Sample same as above with a gray, fine-grained material from 5.9' to 6.0' bgs. Moist. FILL.		2			0.3
8.0	8.0'-12.0': Rusty brown ash with coke, slag, glass, wood and buttons. Moist. FILL.	Sample sent to lab	3			0.6
12.0	12.0'-13.7': Rusty brown ash with slag, wood and metal. Moist to wet. FILL.		4			
	13.7'-14.0': Black ash. Moist. FILL.					0.6
	14.0'-14.15': Orange, granular ash. Wet. FILL.					
	14.14'-15.6': Gray clayey silt with wood, buttons and a slight odor. Moist to wet. FILL.	Sample sent to lab				0.3
	15.6'-16.0': Gray clayey silt. Moist to wet. NATIVE.	463.26				
16.0	16.0'-16.9': Sample same as above. Moist. NATIVE.		5			0.1
	16.9'-20.0': Reddish brown clayey silt with yellow mottling, wood and rock fragments. Moist. NATIVE.					
	BOH=20.0' bgs					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-F
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:.**	Direct Push
Total Depth:	19.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	477.66				
0.0	0.0'-0.3': Black topsoil with rootlets. Dry.	477.66	1			0.1
	0.3'-4.0': Rusty brown ash with pieces of plastic and a small zone with white and blue ash. Moist. FILL.	477.36				
4.0	4.0'-8.0': Rusty brown ash with slag, rock fragments and glass. Dry. FILL.		2			0.1
8.0	8.0'-12.0': Rusty brown ash with slag, metal, coal, rootlets, a large piece of wood and a 0.2' zone of brick fragments near the bottom of the sample. Moist. FILL.		3			0.0
12.0	12.0'-12.6': Rusty brown ash with rock fragments, plastic (bakelite?) and metal. Moist. FILL.		4			0.0
	12.6'-13.9': Gray, fine grained sand with silt, rootlets, pieces of wood and a slight odor. Saturated. NATIVE.	465.06				
	13.9'-16.0': Reddish brown silty clay with mottled blebs and rock fragments. Large rock fragments at bottom of sample. Moist. NATIVE.					0.0
16.0	16.0'-20.0': Reddish brown silty clay with yellow mottling. Becomes more silty near bottom of sample. Moist. NATIVE.		5			0.0
	BOH=9.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-G
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	20.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**482.63**				
0.0	Thin zone of topsoil.		1			2.5
	0.0'-4.0': Rusty brown ash with coal, slag and rock fragments. Dry. FILL.	Sample sent to lab				
4.0	4.0'-4.4': Rusty brown ash with coal and slag. Dry. FILL.	Sample sent to lab	2			1.8
	4.4-4.8: Black, poker chip pieces of felt paper-like material. Dry. FILL.					0.3
	4.8-5.1': Tan fire brick. FILL.					0.0
	5.1'-8.0': Rusty brown ash with coal, metal, rock fragments and fibrous material. Dry. FILL.					
8.0	8.0'-12.0': Rusty brown ash with slag, glass, ceramic and rock fragments. Moist. FILL.		3			1.5
12.0	12.0'-12.6': Sample same as above. FILL.		4			0.4
	12.6'-13.3': Gray ash with white and yellow pieces, slag, rootlets and rock fragments. Moist. FILL.					
	13.3'-15.6': Rusty brown ash with slag, rootlets and rock fragments. Moist. FILL.					
	15.6'-16.0': Reddish brown silty clay with a large rock fragment. NATIVE.	467.03				
16.0	16.0'-20.0': Reddish brown silty clay with yellow and black mottling and many rock fragments. Moist. NATIVE.		5			0.3
	BOH=20.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-H
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	7.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N-VALUE	HNU
	Ground Surface	**486.00**				
0.0	0.0'-0.3': Thin zone of topsoil with rootlets overlying 0.3' of tan, medium grained sand with many rock fragments. Moist.	486.00	1			0.2
	0.3'-1.4': Black ash with glass and coke. Dry to moist. FILL.	485.70				
	1.4'-4.0': Grayish tan, medium grained sand with rock fragments. The upper few inches are mottled. Moist. NATIVE.	484.60				0.0
4.0	4.0'-5.0': Sample same as above. Dry. NATIVE.		2			0.0
	5.0'-7.0': Poker chip pieces of reddish brown clayey silt with some rock fragments. Dry. NATIVE.					
	7.0': Refusal. BEDROCK.	479.00				
	BOH=7.0' bgs					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-I
Site Number:	Unlisted	**Date Completed:**	11/16/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	14.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**485.71**				
0.0	0.0'-0.3': Topsoil with many rootlets.	485.71	1			0.1
	0.3'-0.8': Brown ash and cinders. FILL.	485.41				
	0.8'-1.4': Reworked reddish brown silty clay with pebbles. Moist. FILL.					
	1.4'-1.7': Poker chip pieces of rock. FILL.					
	1.7'-4.0': Black ash. Dry. FILL.	Sample of ash sent to lab				
4.0	4.0'-5.0': Black ash with slag. FILL.		2			0.0
	5.0'-8.0': Light brown to tan clayey silt with some mottling and rootlets. Dry. NATIVE.	480.71				0.0
8.0	8.0'-8.5': Poker chip pieces of limestone. Dry. NATIVE.		3			0.1
	8.5'-12.0': Tan silt with mottled blebs and rock fragments. Some silty sand near bottom of sample. Dry. NATIVE.					
12.0	12.0'-14.0': Medium brown silt with clay, slight mottling and a few rock fragments. Dry. NATIVE.		4			0.2
	14.0': Refusal. BEDROCK.	471.71				
	BOH=14.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-J
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	12.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**473.24**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			0.5
	0.0'-4.0': Black ash with coal, rock fragments and rootlets. Dry. FILL.	Sample sent to lab				
4.0	4.0'-4.6': Black ash with coal, rock fragments and metal. Dry. FILL.		2			0.0
	4.6'-8.0': Reddish brown clayey silt with yellow brown mottling and rock fragments. Dry to moist. NATIVE.	468.64				
8.0	8.0'-12.0': Brown silty clay with rock fragments. Moist. NATIVE.		3			0.2
	BOH=12.0' bgs					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-1A
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	11.5 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**472.22**				
0.0	Thin zone of topsoil with rootlets. Moist.		1			0.0
	0.0'-4.0': Layered ash of various colors with glass, plastic, metal, coal, slag and many rock fragments near bottom. Moist. FILL.	472.22				
4.0	4.0'-8.0': Tan and white ash with slag, rock fragments, buttons and rootlets. Dry. FILL.	Sample sent to lab	2			0.2
8.0	8.0'-8.9': Brown ash with brick, slag, leather, rootlets and a felt-like material. Dry. FILL.		3			NM
	8.9'-11.5': Pink shale with gray limestone or dolostone fragments. Bottom 0.5' consists of gray limestone or dolostone. BEDROCK.	463.32				
	11.5': Refusal. BEDROCK.					
	BOH=11.5' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-2
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	10.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**471.74**				
0.0	0.0'-4.0': Rusty brown ash with slag, glass, metal, wood, some gray ash and rootlets. Moist. FILL.	Sample sent to lab	1			1.0
4.0	4.0'-7.8': Sample same as above. Moist to wet. FILL.	Sample sent to lab	2			1.2
	7.8'-8.0': Poker chip pieces of pinkish red rock. NATIVE.	463.94				
8.0	8.0'-10.0': Poker chip pieces of reddish brown silty clay with rock fragments and gray mottling. Sample looks like bedrock weathered in place. NATIVE.		3			NM
	10.0': Refusal. BEDROCK.	461.74				
	BOH=10.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-3
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	8.3 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**466.42**				
0.0	0.0'-4.0': Rusty brown ash with slag, wood and buttons. Moist. FILL.	Sample sent to lab	1			0.0
4.0	4.0'-5.3': Rusty brown ash with metal, slag and rock fragments. Dry. FILL.		2			0.0
	5.3'-8.0': Poker chip pieces of reddish brown silty clay with some gray mottling. Samples looks like bedrock weathered in place. Dry. NATIVE.	461.12				
8.0	8.0'-8.3': Pinkish red rock fragments. BEDROCK.	458.42	3			NM
	8.3': Refusal. BEDROCK.					
	BOH=8.3' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-4
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	4.2 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**464.57**				
0.0	Thin zone of topsoil with rootlets. Moist.		1			0.1
	0.0'-1.1': Reddish brown clay with roots. Moist. NATIVE.	464.57				
	1.1'-4.0': Reddish brown clay with greenish gray shale zones. Sample looks like bedrock weathered in place. NATIVE.					
4.0	4.0'-4.2': Poker chip pieces of rock. BEDROCK.	460.57	2			NM
	4.2': Refusal. BEDROCK.					
	BOH=4.2' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-5
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	10.7 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N-VALUE	HNU
	Ground Surface	**473.08**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			0.0
	0.0'-0.2': Rusty brown ash with glass and a plastic cap. Dry. FILL.	473.08				
	0.2'-0.6': Black, vitreous, plastic-like material. FILL.					
	0.6'-4.0': Rusty brown to orange brown ash with slag, glass, buttons and ceramic. Dry to moist. FILL.					
4.0	4.0'-8.0': Rusty brown ash and black, vitreous, plastic-like material. Dry. FILL.	Sample sent to lab	2			0.1
8.0	8.0'-8.7': Brown ash with glass, slag, wood, black plastic, some red ash and bakelite. Moist. FILL.		3			NM
	8.7'-9.0': Brown silty clay with glass and coal. Moist. FILL.					
9.0	9.0': No sample collected.					
10.0	10.0'-10.7': Reddish brown silty clay with greenish gray mottling. Looks like bedrock weathered in place. NATIVE.	463.08	4			NM
	10.7': Refusal. BEDROCK.	462.38				
	BOH=10.7' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-6
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	12.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**470.67**				
0.0	0.0'-4.0': Rusty brown ash, finer grained than other ash, with glass, rock fragments, brick, burned wood, metal and a few pieces of large slag. Moist. FILL.	Sample sent to lab	1			0.1
4.0	4.0'-8.0': Sample same as above grading to coarser grained, orange brown ash with slag, buttons and ceramic. Dry. FILL.	Sample sent to lab	2			0.0
8.0	8.0'-8.6': Reddish brown ash with coal, rock fragments and slag. Dry. FILL.		3			0.1
	8.6'-9.6': Brown silty clay with black mottling, rock fragments and rootlets. Yellow and brown mottling near bottom of sample. Moist. NATIVE.	462.07				0.0
	9.6'-12.0': Brown, fine grained sand with some clay near top of sample, small rock fragments and some mottling. Saturated. NATIVE.					
	BOH=12.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-7
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	12.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**471.19**				
0.0	0.0'-0.3': Topsoil with rootlets. Dry.	471.19	1			0.3
	0.3'-4.0': Thin zone of felt paper overlying a thin zone of gray soil with rock fragments and wood. Rest of sample is a rusty brown ash with slag, glass, coal and some gray clay. Dry to moist. FILL.	470.89				
4.0	4.0'-8.0': Sample same as above with wood and buttons. Moist. FILL.		2			0.1
8.0	8.0'-8.9': Sample same as above. FILL.		3			NM
	8.9'-11.6': Reddish brown silty clay with wood, rootlets, orange mottling and rock fragments. Moist. NATIVE.	462.29				
	11.6'-12.0': Poker chip pieces of red shale. BEDROCK.	459.59				
12.0	12.0': Refusal. BEDROCK.					
	BOH=12.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-8A
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	8.5 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**472.22**				
0.0	0.0'-0.4': Topsoil with rootlets. Dry to moist.	472.22	1			0.1
	0.4'-1.0': Mixed topsoil and ash with slag, rock fragments and rootlets. Dry. FILL.	471.82				
	1.0'-1.5': Reddish brown clayey silt with slag, coal and ash. Dry. FILL.					
	1.5'-4.0': Rusty brown ash with slag, rock fragments and buttons. Dry. FILL.					
4.0	4.0'-8.0': Large pieces of limestone rock fragments with some interbedded reddish brown silt. Dry. NATIVE.	468.22	2			0.0
8.0	8.0'-8.5': Sample same as above. NATIVE.		3			NM
	8.5': Refusal. BEDROCK.	463.72				
	BOH=8.5' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-8B
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	12.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**471.94**				
0.0	0.0'-1.0': Asphalt, rock and soil. Dry.	471.94	1			0.0
	1.0'-2.2': Black ash with rock fragments, coal and some soil. Dry. FILL.	470.94				
	2.2'-4.0': Reddish brown clayey silt with rock fragments and black, white and rusty brown mottling. Moist. NATIVE.	469.74				
4.0	4.0'-7.5': Reddish brown silty clay with rock fragments and few rootlets. Moist. NATIVE.		2			NM
	7.5'-8.0': Limestone rock fragments. NATIVE.					
8.0	8.0'-12.0': Reddish brown silty clay with rock fragments, wood, rootlets and some mottling. Moist to 9.2' bgs then becoming very moist. Some sand in very moist zone. Bottom 0.7' of sample less wet and less sandy. NATIVE.		3			0.1
	BOH=12.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	SB-9
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	4.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**461.41**				
0.0	Thin zone of topsoil with rootlets and some rock fragments. Moist.		1			NM
	0.0'-3.6': Reddish brown silty clay with rock fragments. Sample looks like bedrock weathered in place. NATIVE.	461.41				
	3.6'-4.0': Poker chip pieces of rock with little silt and clay between the rock pieces. BEDROCK.	457.81				
	BOH=4.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-A
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	4.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**484.32**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			0.0
	0.0'-1.1': Black ash with coal and slag. FILL.	484.32				
	1.1'-4.0': Reddish brown silty clay with rock fragments, and gray and orange mottling. Moist. NATIVE.	483.22				0.0
	4.0': Refusal. BEDROCK.	480.32				
	BOH=4.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-B
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	7.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N-VALUE	HNU
	Ground Surface	**483.07**				
0.0	0.0'-3.0': Thin layer of pinkish tan ash overlying black ash and coal. Some slag and rusty brown ash at bottom of zone. Dry. FILL.	Sample sent to lab	1			0.1
	3.0'-4.0': Reddish brown silty clay with rock fragments and wood. Moist. NATIVE.	480.07				
4.0	4.0'-6.0': Gray limestone rock fragments mixed with soil. Dry. NATIVE.		2			0.0
	6.0'-7.0': Reddish brown silty clay with rock fragments. Dry. NATIVE.					
	7.0': Refusal. BEDROCK.	476.07				
	BOH=7.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-C
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	2.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**481.94**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			0.0
	0.0'-0.5': Concrete fragments. FILL.	481.94				
	0.5'-1.1': Black ash with coal and rootlets. Dry. FILL.					
	1.1'-1.6': Reddish brown silty clay with rock fragments and rusty red mottling. Grades to brown silty clay with rock fragments. Moist. NATIVE.	480.84				0.0
	1.6'-2.0': Limestone rock fragments. BEDROCK.	480.34				
	2.0': Refusal. BEDROCK.					
	BOH=2.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-D
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	4.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**480.14**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			1.4
	0.0'-0.9': Black ash with buttons, coal, rock fragments and slag. Moist. FILL.	Sample sent to lab				
	0.9'-4.0': Rock fragments mixed with reddish brown silty clay. NATIVE.	479.24				
	4.0': Refusal. BEDROCK.	476.14				
	BOH=4.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-E
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	25.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**482.60**				
0.0	0.0'-0.5': Thin zone of topsoil overlying 0.2' of asphalt and 0.3' of crushed stone. Dry.	482.60	1			0.5
	0.5'-3.8': Rusty brown ash with slag, metal and coal. Dry. FILL.	482.10 Sample sent to lab				
	3.8'-4.0': Crushed fire brick. Saturated. FILL.					
4.0	4.0'-4.4': Crushed fire brick. FILL.		2			0.4
	4.4'-4.8': Reworked reddish brown silty clay. Moist. FILL.					
	4.8'-8.0': Layers of miscellaneous waste consisting of ash; gray, fine-grained powder; ash; black felt-like material; ash with glass, coal and mica flakes; ash. Dry. FILL.	Sample sent to lab				
8.0	8.0'-9.0': Gray and brown ash with slag. Dry. FILL.		3			0.0
	9.0'-10.4': Black felt-like material with a strong septic-like odor. Dry. FILL.	Sample sent to lab				0.3
	10.4'-11.2': Reworked reddish brown silty clay with rock fragments. Moist. FILL.					
	11.2'-12.0': Black ash. Dry. FILL.					0.0
12.0	12.0'-16.0': Black ash with slag, coal and a 0.4' zone of brick and rusty brown ash. Dry. FILL.		4			0.0
16.0	16.0'-20.0': Black ash with slag, coke and rock fragments. Dry. FILL.		5			0.0

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-E
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	25.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**482.60**				
20.0	20.0'-22.5': Black ash with slag and coal. Dry. FILL.	Sample sent to lab	6			0.0
	22.5'-23.2': Rusty red to rusty brown ash with slag, ceramic and coal. Moist. FILL.					
	23.2'-23.6': Black ash with much coal. Moist. FILL.					
	23.6'-24.0': Gray, limestone rock fragments. BEDROCK.	459.00				
24.0	24.0-25.0': Gray limestone rock fragments. BEDROCK.		7			NM
	25.0': Refusal. BEDROCK.					
	BOH=25.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-F
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	24.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**479.67**				
0.0	0.0'-0.3': Gray silty clay with rootlets overlying a 0.1' zone of rock fragments. Dry.	479.67	1			0.2
	0.3'-1.6': Whitish gray ash with slag, brick and coal. Dry. FILL.	479.37				
	1.6'-4.0': Reworked gray, very fine-grained sand with roots. Saturated. FILL.					
4.0	4.0'-8.0': Tan ash with sand sized material and bakelite. Dry. FILL.	Poor recovery	2			1.3
8.0	8.0'-8.6': Brown, fine-grained ash with brick, slag and coal. Dry. FILL.	Samples sent to lab	3			2.5
	8.6'-9.3': Gray, very fine-grained powder with some orange red mottling. Dry. FILL.					
	8.6'-12.0': Gray and black ash with slag, ceramic, coal and metal. Dry. FILL.					
12.0	12.0'-16.0': Brown ash with slag, brick and rootlets. Dry. FILL.	Poor recovery	4			0.8
16.0	16.0'-16.6': Dark brown powder with some slag and ash in bottom 0.1' of zone. Dry. FILL.	Sample sent to lab	5			0.4
	16.6'-20.0': Reddish brown silty clay with some large rock fragments. Dry. NATIVE.	463.07				0.0
20.0	20.0'-20.9': Poker chip pieces of pinkish red and gray rock. Dry. NATIVE.		6			0.0
	20.9'-24.0': Reddish brown silty clay with rock fragments and rootlets. Moist. NATIVE. BOH=24.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-G
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	8.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**488.67**				
0.0	0.0'-1.0': Reworked soil with rock fragments and some ash. Dry. FILL.	488.67	1			0.0
	1.0'-2.3': Black ash with slag, coal and large rock fragments at bottom of zone. Dry. FILL.					
	2.3'-4.0': Reddish brown silty clay with rootlets, rock fragments, and brown and black mottling. Very dense. Moist. NATIVE.	486.37				0.0
4.0	4.0'-8.0': Reddish brown silty clay with some rock fragments. Very dense and compact. Very dry. NATIVE.		2			NM
	BOH=8.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-H
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	9.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**488.35**				
0.0	0.0'-4.0': Black coal. Bottom of sample is a fine to medium-grained, yellow brown ash. Dry. FILL.	488.35	1			NM
4.0	4.0'-8.0': Layered ash of various colors with slag and coal. Colors include rusty brown, pinkish gray and black. Some reddish brown silty clay at bottom of sample. Dry. FILL.	Sample sent to lab	2			NM
8.0	8.0'-9.0': Reddish brown silty clay with rock fragments. Dry. NATIVE.	480.35	3			NM
	9.0': Refusal. BEDROCK.	479.35				
	BOH=9.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-I
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	6.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**486.96**				
0.0	Thin zone of topsoil with rootlets. Dry.		1			0.0
	0.0'-1.7': Black ash with slag, rock fragments and bakelite pieces. Dry. FILL.	Sample sent to lab				
	1.7'-4.0': Reddish brown silty clay with large limestone rock fragments. Dry. NATIVE.	485.26				
4.0	4.0'-6.0': Reddish brown silty clay with yellow mottling and rock fragments. Dry. NATIVE.		2			0.0
	6.0': Refusal. BEDROCK.	480.96				
	BOH=8.3' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-J
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	15.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N VALUE	HNU
	Ground Surface	**468.56**				
0.0	0.0'-3.4': Miscellaneous fill consisting of paper, reworked sand and reddish brown silty clay and rock fragments. FILL. 3.4'-4.0': Black, pliable, thin slices of polymer mixed with foam. FILL.	468.56	1			0.0
4.0	4.0'-8.0': Sample same as above. FILL.	Poor recovery; sample sent to lab	2			0.2
8.0	8.0'-12.0': Gray silt with brick, ash, many rootlets and rock fragments. Saturated. FILL.		3			0.0
12.0	12.0'-15.0': Gray silt and clay with large rock fragments. Saturated. NATIVE.	456.56	4			0.0
	15.0': Refusal. BEDROCK.	453.56				
	BOH=15.0' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

NYSDEC - Region 9 - Division of Environmental Remediation
Stratigraphic Log (Overburden)

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-K
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Logged By:	Glenn M. May	**Drilling Method:**	Direct Push
Total Depth:	11.0 feet	**Sampling Method:**	Macro Core

Depth (ft bgs)	Stratigraphic Description & Remarks	Elevation (ft amsl)	Sample			
			NUMBER	COUNT	N-VALUE	HNU
	Ground Surface	**484.70**				
0.0	0.0'-1.1': Thin zone of topsoil with rootlets overlying stone and gravel mixed with silty clay.	484.70	1			0.0
	1.1'-4.0': Rusty brown ash with slag and coal. Dry. FILL.	483.60				
4.0	4.0'-5.4': Black ash with rock fragments, brick and slag. Dry. FILL.		2			0.0
	5.4'-8.0': Reddish brown silty clay with rock fragments. Dry. NATIVE.	479.30				0.0
8.0	8.0'-11.0': Limestone rock fragments mixed with reddish brown silty clay. NATIVE.		3			0.0
	11.0': Refusal. BEDROCK.	473.30				
	BOH=10.7' bgs.					

Notes: Measuring Point Elevations May Change: Refer to Current Elevation Table

Grain Size ◯ Water Found ▽ Static Level ▼

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

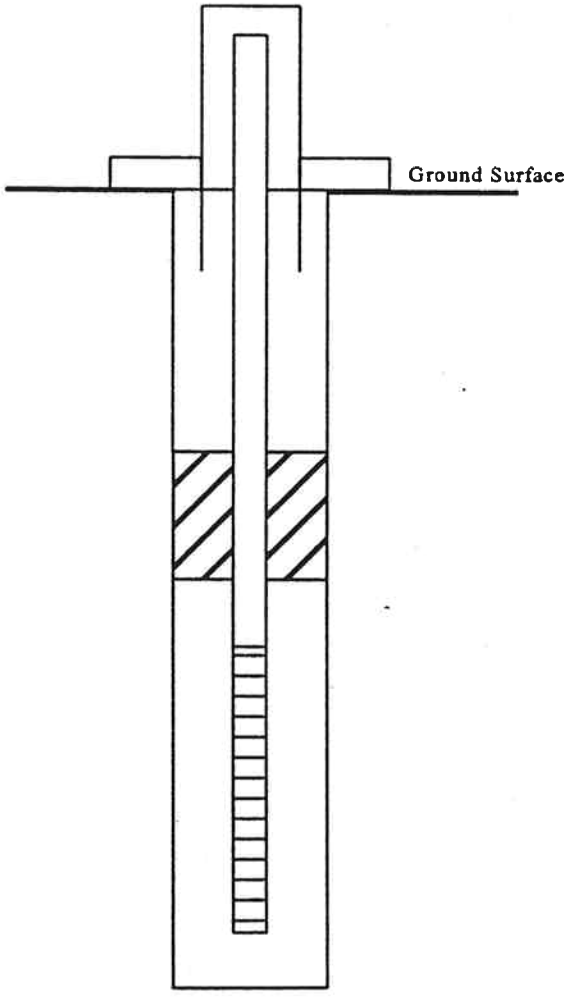
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-E
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	18.0 feet

Top of Riser Elevation: 480.77 ft amsl

Ground Surface Elevation: 478.86 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 9.0 ft

Top of Filter Pack: 11.0 ft

Top of Screen: 13.0 ft

Bottom of Screen: 18.0 ft

Bottom of Filter Pack: 18.0 ft

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

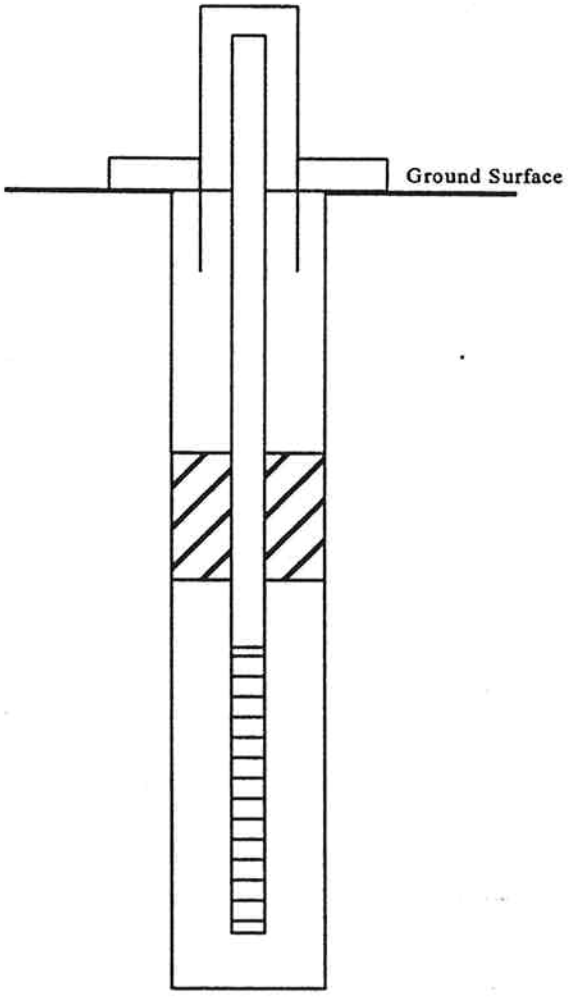
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	198-F
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	17.0 feet

Top of Riser Elevation: 479.81 ft amsl

Ground Surface Elevation:
477.66 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 8.0 ft

Top of Filter Pack: 10.0 ft

Top of Screen: 12.0 ft

Bottom of Screen: 17.0 ft

Bottom of Filter Pack: 17.0 ft

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

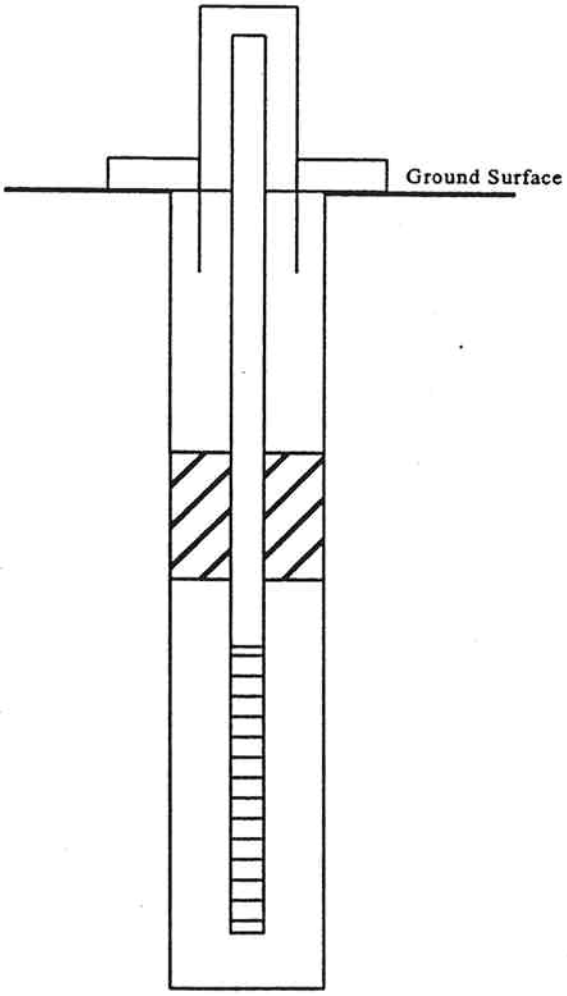
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	MW-2
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	8.5 feet

Top of Riser Elevation: 473.26 ft amsl

Ground Surface Elevation:
471.74 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 1.5 ft

Top of Filter Pack: 2.5 ft

Top of Screen: 3.5 ft

Bottom of Screen: 8.5 ft

Bottom of Filter Pack: 8.5 ft

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

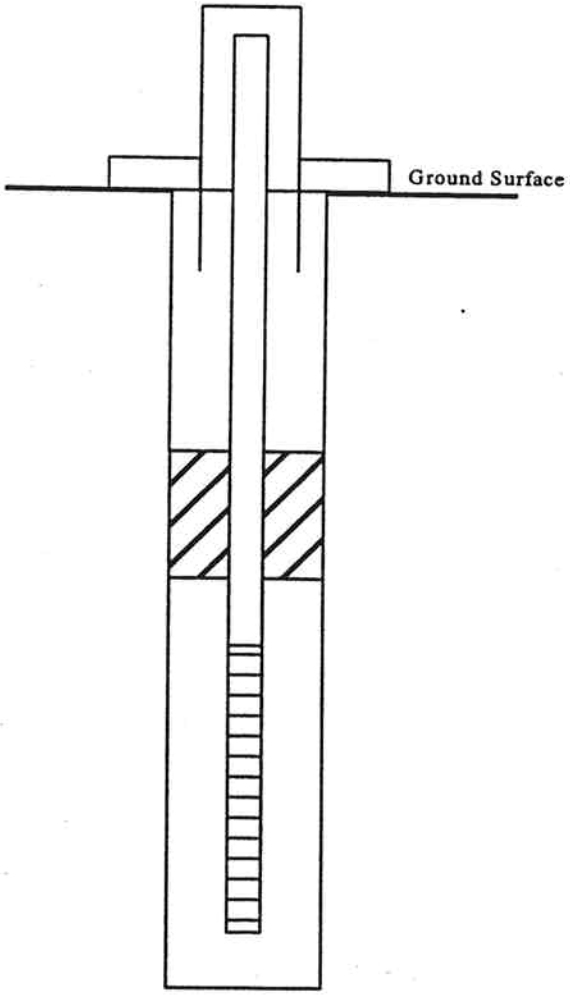
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	MW-6
Site Number:	Unlisted	**Date Completed:**	11/18/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	11.5 feet

Top of Riser Elevation: 472.54 ft amsl

Ground Surface Elevation:
470.67 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 2.5 ft

Top of Filter Pack: 4.5 ft

Top of Screen: 6.5 ft

Bottom of Screen: 11.5 ft

Bottom of Filter Pack: 11.5 ft

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

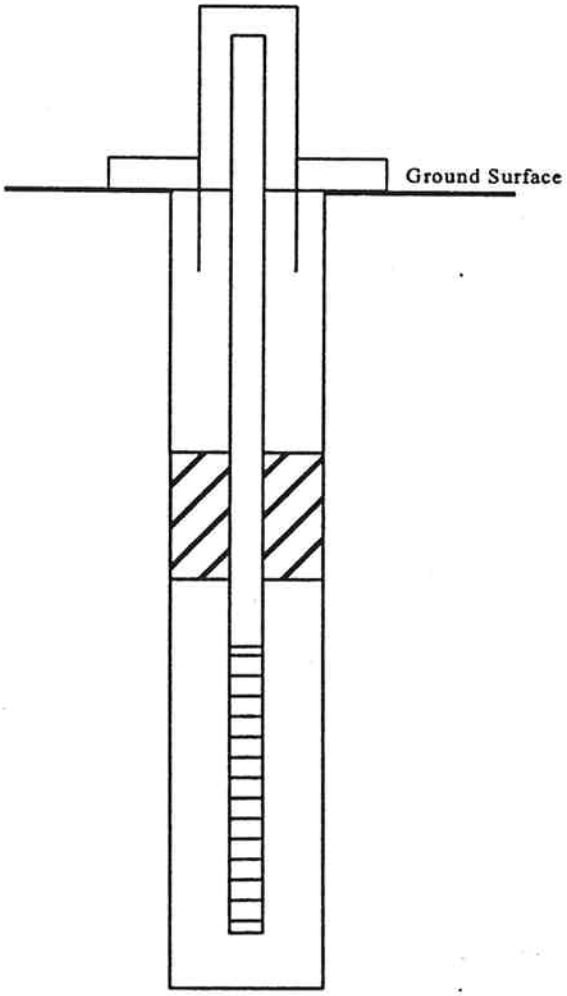
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-F
Site Number:	Unlisted	**Date Completed:**	11/19/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	22.0 feet

Top of Riser Elevation: 481.46 ft amsl

Ground Surface Elevation:
479.67 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 13.0 ft

Top of Filter Pack: 15.0 ft

Top of Screen: 17.0 ft

Bottom of Screen: 22.0 ft

Bottom of Filter Pack: 22.0 ft

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

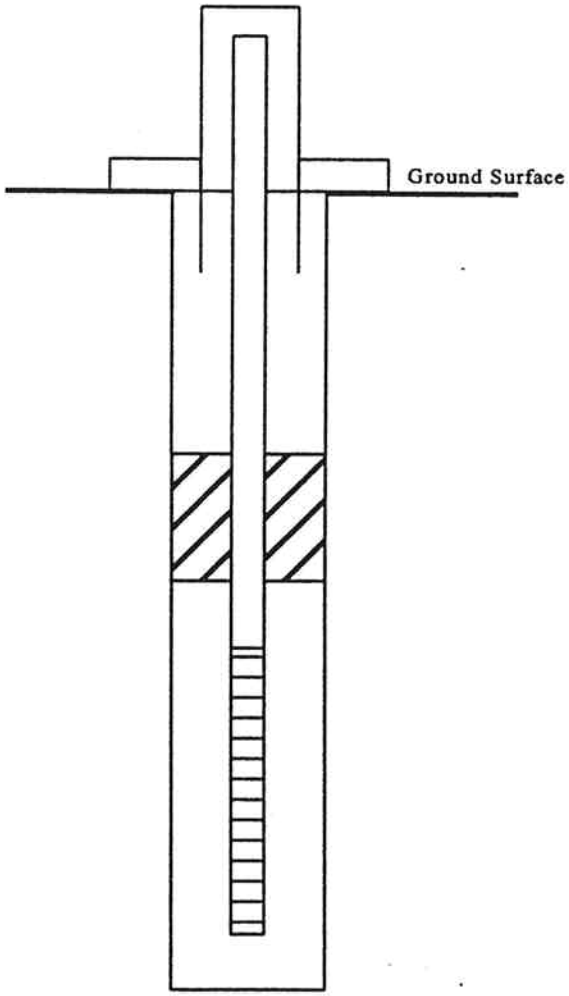
MONITORING WELL LOG

Project Name:	Former Flintkote Plant Site	**Hole Designation:**	300-J
Site Number:	Unlisted	**Date Completed:**	11/17/99
Location:	Lockport, New York	**Drilling Company:**	Zebra Environmental
Screen Type:	PVC	**Casing Type:**	Not Applicable
Screen Diameter:	1 inch	**Casing Diameter:**	Not Applicable
Screen Length:	5 feet	**Total Depth:**	14.0 feet

Top of Riser Elevation: 469.67 ft amsl

Ground Surface Elevation:
468.56 ft amsl

Top of Grout: 0.0 ft



Top of Seal: 5.0 ft

Top of Filter Pack: 7.0 ft

Top of Screen: 9.0 ft

Bottom of Screen: 14.0 ft

Bottom of Filter Pack: 14.0 ft

APPENDIX B

WELL DEVELOPMENT AND PURGE LOGS

DECEMBER 1999 SAMPLING EVENT

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

WELL DEVELOPMENT LOG

SITE NAME:	Former Flintkote Plant Site	SITE NUMBER:	Unlisted
DEVELOPER:	Glenn M. May		
DEVELOPMENT DATE:	December 20, 1999		
START DEVELOPMENT:	1310	END DEVELOPMENT:	1345

WELL NUMBER: **198-E**

1. TOTAL CASING AND SCREEN LENGTH (FT): **19.96**
2. CASING INTERNAL DIAMETER (IN): **1.0**
3. WATER LEVEL BELOW TOP OF CASING (FT): **15.35**
4. VOLUME OF WATER IN CASING (GAL): **0.19**

   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 10 CASINGS: **1.90** GAL.

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

	ACCUMULATED VOLUME PURGED (GALLONS)									
PARAMETERS	0.25	0.5	1.0	2.0	3.0	Sample				
pH	7.19	7.20	7.40	7.33	7.34	7.51				
CONDUCTIVITY (μmhos)	607	562	562	579	584	592				
TURBIDITY (NTU)	>1000	>1000	>1000	>1000	>1000	>1000				
TEMPERATURE (^{o}C)	11.4	11.8	11.7	11.6	11.5	11.1				
Eh	-22.0	-22.5	-32.8	-29.2	-29.8	-38.6				
TIME	1315	1325	1330	1337	1345	1405				

COMMENTS: Field parameters measured following sample collection.

12/20/99: Purge water was very turbid - dark brown in color. A slight sheen and an unidentifiable odor was observed.

12/20/99: Well sampled at 1400 following completion of development.

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

WELL DEVELOPMENT LOG

SITE NAME:	Former Flintkote Plant Site	SITE NUMBER:	Unlisted
DEVELOPER:	Glenn M. May		
DEVELOPMENT DATE:	December 20, 1999		
START DEVELOPMENT:	1420	END DEVELOPMENT:	1453

WELL NUMBER: **198-F**

1. TOTAL CASING AND SCREEN LENGTH (FT): **19.96**
2. CASING INTERNAL DIAMETER (IN): **1.0**
3. WATER LEVEL BELOW TOP OF CASING (FT): **13.86**
4. VOLUME OF WATER IN CASING (GAL): **0.25**

   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 10 CASINGS: **2.50** GAL.

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

	ACCUMULATED VOLUME PURGED (GALLONS)									
PARAMETERS	1.0	1.5	Sample							
pH	7.43	7.37	7.27							
CONDUCTIVITY (μmhos)	1450	1440	1458							
TURBIDITY (NTU)	>1000	>1000	>1000							
TEMPERATURE (^{o}C)	10.7	10.8	10.8							
Eh	-34.9	-31.6	-26.4							
TIME	1425	1447	1518							

COMMENTS: Field parameters measured following sample collection.

12/20/99: Purge water was very turbid - reddish brown in color. Purged dry after 1 gallon. Let recharge then purged dry after another 0.75 gallons.

12/20/99: Well sampled at 1500 following completion of development.

New York State Department of Environmental Conservation
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WELL DEVELOPMENT LOG

SITE NAME:	Former Flintkote Plant Site	SITE NUMBER:	Unlisted
DEVELOPER:	Glenn M. May		
DEVELOPMENT DATE:	December 21, 1999		
START DEVELOPMENT:	0930	END DEVELOPMENT:	1058

WELL NUMBER: MW-6

1. TOTAL CASING AND SCREEN LENGTH (FT): 14.97
2. CASING INTERNAL DIAMETER (IN): 1.0
3. WATER LEVEL BELOW TOP OF CASING (FT): 12.21
4. VOLUME OF WATER IN CASING (GAL): 0.11

   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 10 CASINGS: 1.10 GAL.

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

	ACCUMULATED VOLUME PURGED (GALLONS)									
PARAMETERS	0.0	0.1	0.2							
pH	7.46	7.48	7.64							
CONDUCTIVITY (μmhos)	866	817	777							
TURBIDITY (NTU)	>1000	>1000	>1000							
TEMPERATURE (^{o}C)	4.0	4.2	4.9							
Eh	-35.6	-36.8	-44.9							
TIME	0933	1018	1058							

COMMENTS:

12/21/99: Purge water was very turbid - reddish brown in color (similar to color of ash surrounding the well). No sheen but a slight, unidentifiable odor observed. Very little recovery during initial purging.

12/21/99: Well sampling began at 1130 following completion of development, and ended at 1455 due to low volume and slow recharge.

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

WELL DEVELOPMENT LOG

SITE NAME: Former Flintkote Plant Site	SITE NUMBER: Unlisted
DEVELOPER: Glenn M. May	
DEVELOPMENT DATE: December 21, 1999	
START DEVELOPMENT: N/A	END DEVELOPMENT: N/A

WELL NUMBER: 300-F

1. TOTAL CASING AND SCREEN LENGTH (FT): 24.86
2. CASING INTERNAL DIAMETER (IN): 1.0
3. WATER LEVEL BELOW TOP OF CASING (FT): 23.96
4. VOLUME OF WATER IN CASING (GAL): 0.04
   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 10 CASINGS: 0.40 GAL.

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

PARAMETERS	ACCUMULATED VOLUME PURGED (GALLONS)									
pH										
CONDUCTIVITY (μmhos)										
TURBIDITY (NTU)										
TEMPERATURE (^{o}C)										
Eh										
TIME										

COMMENTS:

12/21/99: Well not developed due to the extremely low volume of water. Well sampling began at 1515 without prior purging. Water was very turbid - dark brown in color. Samples for VOC and alkalinity analyses collected by 1700.

12/22/99: Well sampling continued at 0700. Samples for TAL metals, total hardness, chloride and sulfate analyses collected by 1000. There was not enough water to collect a full suite of samples.

New York State Department of Environmental Conservation
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WELL DEVELOPMENT LOG

SITE NAME:	Former Flintkote Plant Site	SITE NUMBER:	Unlisted
DEVELOPER:	Glenn M. May		
DEVELOPMENT DATE:	December 21, 1999		
START DEVELOPMENT:	0903	END DEVELOPMENT:	1116

WELL NUMBER: **300-J**

1. TOTAL CASING AND SCREEN LENGTH (FT): **14.42**
2. CASING INTERNAL DIAMETER (IN): **1.0**
3. WATER LEVEL BELOW TOP OF CASING (FT): **6.78**
4. VOLUME OF WATER IN CASING (GAL): **0.31**

   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 10 CASINGS: **3.10** GAL.

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

	ACCUMULATED VOLUME PURGED (GALLONS)									
PARAMETERS	0.25	0.5								
pH	7.42	7.46								
CONDUCTIVITY (μmhos)	791	752								
TURBIDITY (NTU)	>1000	>1000								
TEMPERATURE (^{o}C)	3.8	4.8								
Eh	-34.1	-35.2								
TIME	0907	1116								

COMMENTS:

12/21/99: Purge water was very turbid - dark brown in color. No sheen but a slight, unidentifiable odor observed. Bailed dry after 0.25 gallons. Let recharge then purged dry after another 0.25 gallons.

12/21/99: Well sampling began at 1155 following completion of development, and ended at 1350 due to low volume and slow recharge.

New York State Department of Environmental Conservation
270 Michigan Avenue, Buffalo, New York, 14203-2999

WELL PURGING AND SAMPLING LOG

SITE NAME:	Former Flintkote Plant Site			SITE NUMBER:	Unlisted
SAMPLER:	Glenn M. May				
PURGE DATE:	N/A	START PURGE:	N/A	END PURGE:	N/A
SAMPLE DATE:	December 20, 1999			SAMPLE TIME:	1440

WELL NUMBER: **Eighteenmile Creek**

1. TOTAL CASING AND SCREEN LENGTH (FT): _____
2. CASING INTERNAL DIAMETER (IN): _____
3. WATER LEVEL BELOW TOP OF CASING (FT): _____
4. VOLUME OF WATER IN CASING (GAL): _____

   #1 - #3 x #2 (Gal/Ft)

   VOLUME OF 3 CASINGS: _____ GAL

WELL ID.	VOL. (GAL/FT)
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469
8"	2.611

	ACCUMULATED VOLUME PURGED (GALLONS)									
PARAMETERS	Sample									
pH	8.12									
CONDUCTIVITY (μmhos)	725									
TURBIDITY (NTU)	13.5									
TEMPERATURE (^{o}F)	3.7									
Eh	-68.7									
TIME	1440									

COMMENTS: Field parameters measured following sample collection.

12/20/99: Sample collected near the south property line. Water was very clear. No sheen or odors observed.

APPENDIX C

SOIL BORING AND MONITORING WELL SUMMARY TABLES

Table C-1.
Stratigraphic Summary of Borings Completed at the Former Flintkote Plant Site.
All Depths and Elevations are Measured in Feet.

Well or Boring Number	Date Installed or Completed	Total Boring Depth	AutoCad Coordinates *		Ground Surface Elevation	Fill Material			Glaciolacustrine Deposit			Bedrock	
			x-coordinate	y-coordinate		Depth	Surface Elevation	Thickness	Depth	Surface Elevation	Thickness	Depth	Surface Elevation
198 Mill Street													
198-A	11/16/99	20.0	0.9738	6.0282	485.37	0.0	485.37	16.1	16.1	469.27			
198-B	11/16/99	20.0	0.9844	6.0686	484.37	0.0	484.37	17.7	17.7	466.67			
198-C	11/16/99	13.0	1.0593	6.0262	485.45	0.0	485.45	4.7	4.7	480.75	8.3	13.0	472.45
198-D	11/16/99	27.0	1.0567	6.0911	484.59	0.0	484.59	20.3	20.3	464.29	6.4	26.7	457.89
198-E	11/17/99	20.0	1.2629	6.1547	478.86	0.0	478.86	15.6	15.6	463.26			
198-F	11/17/99	19.0	1.0481	6.1500	477.66	0.3	477.36	12.3	12.6	465.06			
198-G	11/17/99	20.0	1.1674	6.1203	482.63	0.0	482.63	15.6	15.6	467.03			
198-H	11/17/99	7.0	1.6181	5.9812	486.00	0.3	485.70	1.1	1.4	484.60	5.6	7.0	479.00
198-I	11/16/99	14.0	1.1754	6.0004	485.71	0.3	485.41	4.7	5.0	480.71	9.0	14.0	471.71
198-J	11/17/99	12.0	1.6432	6.2239	473.24	0.0	473.24	4.6	4.6	468.64			
Island													
SB-1A	11/18/99	11.5	1.9101	6.4917	472.22	0.0	472.22	8.9				8.9	463.32
SB-2	11/18/99	10.0	2.0668	6.5638	471.74	0.0	471.74	7.8	7.8	463.94	2.2	10.0	461.74
SB-3	11/18/99	8.3	2.1778	6.5807	466.42	0.0	466.42	5.3	5.3	461.12	2.7	8.0	458.42
SB-4	11/18/99	4.2	2.1377	6.6403	464.57				0.0	464.57	4.0	4.0	460.57
SB-5	11/18/99	10.7	1.9538	6.6165	473.08	0.0	473.08	10.0	10.0	463.08	0.7	10.7	462.38
SB-6	11/18/99	12.0	1.7759	6.6478	470.67	0.0	470.67	8.6	8.6	462.07			
SB-7	11/18/99	12.0	1.7674	6.4619	471.19	0.3	470.89	8.6	8.9	462.29	2.7	11.6	459.59
SB-8A	11/18/99	8.5	1.7143	6.5397	472.22	0.4	471.82	3.6	4.0	468.22	4.5	8.5	463.72
SB-8B	11/18/99	12.0	1.7363	6.5388	471.94	1.0	470.94	1.2	2.2	469.74			
SB-9	11/18/99	4.0	2.2527	6.5655	461.41				0.0	461.41	3.6	3.6	457.81

Table C-1 (continued).
Stratigraphic Summary of Borings Completed at the Former Flintkote Plant Site.
All Depths and Elevations are Measured in Feet.

Well or Boring Number	Date Installed or Completed	Total Boring Depth	AutoCad Coordinates *		Ground Surface Elevation	Fill Material			Glaciolacustrine Deposit			Bedrock	
			x-coordinate	y-coordinate		Depth	Surface Elevation	Thickness	Depth	Surface Elevation	Thickness	Depth	Surface Elevation
300 Mill Street													
300-A	11/19/99	4.0	2.3559	6.1849	484.32	0.0	484.32	1.1	1.1	483.22	2.9	4.0	480.32
300-B	11/19/99	7.0	2.2973	6.1098	483.07	0.0	483.07	3.0	3.0	480.07	4.0	7.0	476.07
300-C	11/19/99	2.0	2.2210	6.0910	481.94	0.0	481.94	1.1	1.1	480.84	0.5	1.6	480.34
300-D	11/19/99	4.0	2.2183	6.1779	480.14	0.0	480.14	0.9	0.9	479.24	3.1	4.0	476.14
300-E	11/19/99	25.0	2.4838	6.4119	482.60	0.5	482.10	23.1				23.6	459.00
300-F	11/19/99	24.0	2.3263	6.3352	479.67	0.3	479.37	16.3	16.6	463.07			
300-G	11/19/99	8.0	2.4268	6.0048	488.67	0.0	488.67	2.3	2.3	486.37			
300-H	11/19/99	9.0	2.3601	6.0407	488.35	0.0	488.35	8.0	8.0	480.35	1.0	9.0	479.35
300-I	11/19/99	6.0	2.7311	6.1766	486.96	0.0	486.96	1.7	1.7	485.26	4.3	6.0	480.96
300-J	11/17/99	15.0	1.8007	6.3567	468.56	0.0	468.56	12.0	12.0	456.56	3.0	15.0	453.56
300-K	11/19/99	11.0	2.5563	6.2383	484.70	1.1	483.60	4.3	5.4	479.30	5.6	11.0	473.70

* Boring coordinates from the AutoCad drawing Sitemap.dwg.

$207.2 \div 21 = 9.9'$

Table C-2.
Monitoring Well Instrumentation Summary for the Overburden Wells Installed at the Former Flintkote Plant Site.

Well Designation	Ground Surface Elevation (ft. AMSL)	Top of Riser Elevation (ft. AMSL)	Sandpack * Interval (ft. BGS)	Sandpack Interval (ft. AMSL)	Well Screen Interval (ft. BGS)	Well Screen Interval (ft. AMSL)	Screened Material
198 Mill Street							
198-E	478.86	480.77	11.00 to 18.00	467.86 to 460.86	13.00 to 18.00	465.86 to 460.86	Ash; Gray Clayey Silt
198-F	477.66	479.81	10.00 to 17.00	467.66 to 460.66	12.00 to 17.00	465.66 to 460.66	Ash; Gray Silty Sand; Reddish Brown Silty Clay
Island							
MW-2	471.74	473.26	2.50 to 8.50	469.24 to 463.24	3.50 to 8.50	468.24 to 463.24	Ash, Reddish Brown Silty Clay
MW-6	470.67	472.54	4.50 to 11.50	466.17 to 459.17	6.50 to 11.50	464.17 to 459.17	Ash, Brown Silty Clay, Brown Sand
300 Mill Street							
300-F	479.67	481.46	15.00 to 22.00	464.67 to 457.67	17.00 to 22.00	462.67 to 457.67	Reddish Brown Silty Clay
300-J	468.56	469.67	7.00 to 14.00	461.56 to 454.56	9.00 to 14.00	459.56 to 454.56	Miscellaneous Fill, Gray Silt and Clay

Ft. AMSL Feet Above Mean Sea Level.
Ft. BGS Feet Below Ground Surface.
***** Exact interval of sandpack not known with certainty due to the difficulty constructing wells with the push probe technique.