SITE CHARACTERIZATION INVESTIGATION

Howard Street Site

(also known as Friendship Foundry Site; 902015)

Friendship, New York
Site No. 902017

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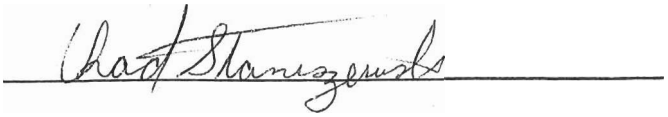

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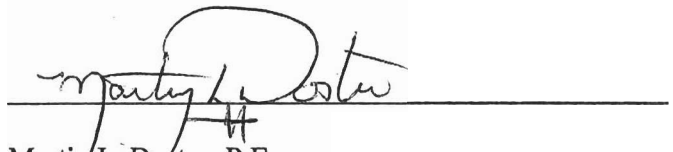

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1.0 INTRODUCTION

The Howard Street Site (902017) includes property associated with an abandoned cast iron foundry (Friendship Foundry) located in the Village of Friendship, Allegany County. The site encompasses two separate areas including the majority of the main foundry plant site (hereafter referred to as the 'Factory Site') and a historic fill area used for the disposal of foundry waste (hereafter referred to as the 'Disposal Site').

The New York State Department of Environmental Conservation (hereafter referred to as the 'NYSDEC') is the recipient of an United Stated Environmental Protection Agency Targeted Site Assessment Grant. The grant provides funding for environmental investigation of brownfield sites with the goal of helping to return the sites to productive use. At the request of the Allegany County IDA, grant funds were utilized to complete a site characterization investigation at the Howard Street Site. The investigation assessed environmental impacts on the main foundry site and the associated foundry waste disposal site. This report details the site characterization investigation.

On May 21, 2007, the Allegany County Court issued an 'Order to Stay Foreclosure Pending Environmental Investigation' to Allegany County via Temporary Incidence of Ownership. The order allowed the County to temporarily foreclose on the property due to delinquent property taxes and allowed the NYSDEC to complete the current site characterization investigation utilizing EPA grant funds. Pending the results of the site characterization assessment, the County can elect to continue foreclosure proceedings or return the property to the current owner.

2.0 SITE DESCRIPTION

The Howard Street Site encompasses two areas including the main foundry plant site (Factory Site) located at 10 Howard Street and an associated foundry waste disposal site (Disposal Site) located along Elmwood Avenue. These two areas associated with the Howard Street Site are located in the Village of Friendship, Allegany County. The Village of Friendship is small community located just south of interstate I-86. The area surrounding the village is rural with a hilly topography. A site location map is provided as Figure 1. An aerial map of the Howard Street Site is provided as Figure 2.

Factory Site

The area comprising the Factory Site includes the majority of the main foundry plant. The factory Site is made up of three tax parcels (Tax Map No.s 182.001-2-3, 182.001-2-4, 182.001-2-5) totaling approximately 3.2 acres. The original foundry plant footprint included an additional 0.5 acre parcel on the west end of the site, however, th parcel is currently under private ownership and was not included in this investigation.

The Factory Site is bounded on the north by Sawyer Avenue, on the south by railroad tracks, on the east by Depot Street and on the west by a privately owned vacant lot. Howard Street traverses the site. The Factory Site is currently vacant property, which slopes gently to the south toward the railroad tracks. Brush and large trees are sporadically spaced across the site. Soil fill piles (i.e. land clearing debris, soil, stone, concrete) are located along the southern portion of the site, west of Howard Street. The nearest residence are located immediately to the north of the site (across Sawyer Avenue). Water service is provided by the Friendship Town Water District in the vicinity of the Factory Site.

Disposal Site

The area comprising the Disposal Site is located approximately 0.25 miles west of the Factory Site. The Disposal Site includes land used for the dumping of foundry wastes including foundry sands, resins and slag. The disposal site encompasses one tax parcel (Tax Map No. 182.11-1-14) totaling approximately 2.89 acres. The disposal site is bounded to the east by Elmwood Avenue, to the north by railroad tracks, to the west by the North Branch of Van Campen Creek and to the south by residential property. The majority of fill was disposed on the north half of the property as identified by an abrupt change in grade transecting the property east to west. The northern half of the property (i.e. the fill area) is covered by trees and brush. The southern half of the property is covered by a manicured lawn, apparently maintained by the adjoining residential property owners. Deteriorating metal drums are visible protruding from the south and west banks of the fill area. Water service is provided by the Friendship Town Water District in the vicinity of the Disposal Site.

3.0 SITE HISTORY

Factory Site

The foundry began operations in the 1800's under the management of Drake Manufacturing Company. Drake Manufacturing sold the foundry to Macler Industries in 1955. The facility was closed in 1987 when Macler Industries filed for bankruptcy. Later in 1987 the plant reopened as Friendship Foundry under the ownership of Mr. And Mrs. Henry Mayo.

In May 1988, Friendship Foundry entered into Consent Order No. 87-183 with the New York State Department of Environmental Conservation (NYSDEC) to address air pollution violations. In August 1988, a NYSDEC inspection of the foundry noted several violations including piles of particulate from baghouse dust filters around the foundry yard, open containers of baghouse dust particulate, foundry sand being dumped outdoors and several air pollution concerns. A status report issued by the NYSDEC's Division of Air Resources dated September 16, 1988 noted that Friendship Foundry was now properly storing foundry sand, however, it also noted contaminated soil that required cleanup, PCB contamination of a basement sump, the discharging of water without a SPDES permit, and several continuing air emissions problems. On March 6, 1989 Consent Order No. 87-183A was issued by the NYSDEC fining Friendship foundry for failure to comply with the previous Consent Order and requiring the foundry to design and construct an air pollution abatement system, properly store foundry sand and dispose of all drums in the drum storage yard. On June 1, 1990 the NYSDEC determined that the foundry was unable to comply with the air pollution regulations specified in the Order on Consent #87-183A and issued a Summary Abatement Order terminating Friendship Foundry's authorization to operate the air emission points associated with the casting operation, which resulted in the closing of the Foundry.

Disposal Site

Little information was obtained regarding the historic use of the Disposal Site located on Elmwood Avenue. The disposal of foundry wastes including foundry sands, slag and resins are documented based on visual observation of the waste material. The period of time the site was used for disposal is not known. A nearby resident indicated that he had seen old pictures which showed several building associated with a wood trim manufacturer operating on-site, apparently prior to the disposal of foundry waste (during the investigation, the NYSDEC did encounter several building foundations at depth within the waste material). No other historic information is known regarding the Disposal Site.

4.0 PRIOR ENVIRONMENTAL WORK/INVESTIGATIONS

Factory Site

The following sections provide a summary of prior environmental work completed at the Howard Street Site. Detailed information regarding this work is included in the NYSDEC report titled 'Remedial Investigation Report, Friendship Foundry Site, Allegany County, New York, Site No. 9-02-015' dated January 1996. An electronic copy of this report has been provided on disc in Appendix A for reference.

Drum/Waste Removal

Subsequent to the closing of the foundry, site inspections revealed foundry sand, leaking and bulging drums, chemical sheens on nearby surface water and other waste material remaining at the site, which represented threats to the public health and/or the environment. It was also noted that although 1,1,1-trichloroethane had been used for degreasing at the foundry, no records regarding proper disposal of the spent material were found. Based upon these inspections, the NYSDEC listed the site on the New York State Registry of Inactive Hazardous Waste Sites as a Class 2 site.

To address the threat posed by the abandoned waste materials, in an October 10, 1990 letter, the NYSDEC requested the United States Environmental Protection Agency (USEPA) perform an emergency removal action to stabilize, characterize and remove the hazardous wastes and substances which had been abandoned at the Foundry Site. This Interim Remedial Measure (IRM) was initiated by the USEPA on August 7, 1991 and the removal action was completed in May 1992. The IRM included the removal of flammable, combustible, corrosive and alkaline liquids, waste PCB oil, phenolic powered resin, etc. In addition to the chemical wastes, the USEPA removed foundry sand, baghouse dust , contaminated soil, and other debris and disposed of the material at a secure landfill. At the completion of the IRM, the foundry area was seeded to stabilize the surface soils and reduce runoff from the site.

Superfund Remedial Investigation

The generally poor condition of the drums removed from the site during the EPA removal action suggested that soil and/or groundwater may have been impacted by the hazardous wastes removed from the site during the IRM. Also, foundry sand and baghouse dust remained at the foundry plant site after the EPA removal action was complete. In order to resolve the Class 2 designation of the site, NYSDEC determined a Remedial Investigation (RI) was necessary to identify any remaining hazardous waste and associated environmental contamination which may have resulted from disposal of the waste.

The NYSDEC Remedial Investigation Report for the Friendship Foundry Site (Site No. 902015) was issued in February 1996. The Report details remedial investigation work including a soil gas survey, waste sampling, surface soil sampling, test pitting, subsurface sampling and surface

water and sediment sampling. The report concluded the following regarding the main foundry site (i.e. 'Factory Site':

- High concentrations of PCBs existed in the sediment from the capacitor sump where an explosion prior to 1988 released PCB oils. The capacitor sump was dewatered, the sediment removed and the sump cleaned as an IRM during the remedial investigation.

- The results of the soil gas survey, test pit investigation and sampling, did not identify the presence of any buried drums or other indication of subsurface disposal or migration of hazardous waste at the Friendship Foundry plant site.

- The analysis of foundry sand and baghouse dust, the predominate waste material in the fill and also present in and around the buildings at the site, identified the presence of heavy metals and Polynuclear Aromatic Hydrocarbons (PAHs), above the NYSDEC guidance values for protection of groundwater. The TCLP analytical results for these compounds showed that these contaminants were not likely to leach out of their present matrix.

- Groundwater samples from seven monitoring wells installed during the RI consistently showed levels of manganese, nickel, iron and sodium which, while slightly exceeding the NYS groundwater standards, were considered to represent background concentrations for these metal and were not attributed to the site. VOCs, SVOCs and PCBs were non-detect in all wells with the exception of MW-6 which showed low concentrations of VOCs including 1,1 DCA (25 ppb) and 1,1,1-TCA (12 ppb). MW-6 is located adjacent to the former drum storage area.

- Surface water and sediment was sampled in Sawyer Creek which, in the vicinity of the site, is nothing more than a roadside drainage ditch. PCBs were detected in one sediment sample at 61 ppb and phenol was detected in the creek water at 12 ppb. It was determined this level of contamination would not adversely effect the environment.

Based on the results of the RI, the NYSDEC recommended that "since the investigation did not identify any remaining hazardous waste contamination at the site, which is resulting in an exposure to the public or the environment, no further action is required to address hazardous waste disposal at the site. Although the NYSDEC is recommending no further action at the Friendship Foundry site under the inactive hazardous waste site remediation program, solid wastes containing hazardous substances will remain on site that may pose a risk to human health or the environment. These substances should not be ignored should future land use change." The site was reclassified from a Class 2 to a Class 5 site.

Since completion of the Superfund RI, on-site buildings have been demolished and no piles of foundry sand and/or baghouse dust could be located on-site. The disposition of these wastes are not known.

UST Removal

NYSDEC records indicate that three Underground Storage Tanks (USTs) were removed from the Friendship Foundry Plant site in 1998 by the NYSDEC spills program (Spill No. 9875186). The removed USTs included 1,000 gallon diesel tank, a 500 gallon tank of unknown contents and a 10,000 gallon gasoline tank. The exact locations of the tanks were not identified in the file.

Disposal Site

The NYSDEC is not aware of any prior comprehensive environmental investigation that have been completed at the Disposal Site. During the superfund remedial investigation completed in the mid 1990s (see above), the Department identified partially buried drums protruding from the east bank of the North Branch of Van Campen Creek (western limit of the current Disposal Site). The drums contained foundry sand and slag. A sample collected from the drum contained chromium and copper in excess of the NYSDEC soil guidance values for the protection of groundwater. However, since no hazardous waste was identified near these drums and the TCLP analysis results showed that these contaminants were not likely to leach out of their present matrix, no remediation (or further investigation) to address hazardous waste contamination was required.

5.0 SITE CHARACTERIZATION OBJECTIVES

The objectives of this site characterization include:

- ✓ Identify the type, areal extent and depth of fill material at the Factory Site and Disposal Site.
- ✓ Quantify the type and concentration of contaminates in the fill material at the Factory Site and Disposal Site.
- ✓ Quantify the type and concentration of contaminates in the groundwater, attributable to site contamination, at the Factory Site and Disposal Site.
- ✓ Assess potential future property use based on the results of the investigation at the Factory Site and Disposal Site.

6.0 SITE INVESTIGATION WORK

The NYSDEC directed the site investigation work to achieve the site characterization objectives outlined in Section 5.0. The NYSDEC hired Empire Geoservices Inc. (5167 South Park Avenue, Hamburg, NY, 14075) to complete ground intrusive field work including test pitting, direct push borings and groundwater monitoring well installation. Empire Geoservices also provided oversight and sampling services including logging test pits, borings and monitoring well installation, field screening of soil samples (PID screening) and soil sample collection. The NYSDEC provided direct oversight to Empire Geoservices including identifying soil test pit and boring locations, soil sampling locations and sampling parameters, monitoring well installation locations, as well as part time field oversight. NYSDEC personnel completed monitoring well development and monitoring well sampling activities. Empire Geoservices Inc. subcontracted site surveying to Creekside Boundary (1746 Higgins Road, Warsaw, NY, 14567). Laboratory Services were provided by Upstate Laboratories Inc. (6034 Corporate Drive, East Syracuse, NY, 13057).

6.1 Empire Geoservices Report

Empire Geoservices prepared the report titled 'Subsurface Investigation, Former Friendship foundry Sites', dated February 15, 2008, which documents their field work and oversight activities. The report contains detailed information regarding test pitting, direct push borings, monitoring well installation, soil field screening activities, soil sampling work and all soil sampling analytical data. An electronic copy of the report is provided on disc in Appendix A.

The following specific information is included in the report:

- Attachment A: Analytical Summary Tables - Factory Site (for soil samples)
- Attachment B: Analytical Summary Tables - Disposal Site (for soil samples)
- Appendix A: Test Pit Photographs - Factory Site
- Appendix B: Test Pit Logs - Factory Site
- Appendix C: Test Boring Logs - Factory Site
- Appendix D: Monitoring Well Installation Details - Factory Site
- Appendix E: Test Pit Photographs - Disposal Site
- Appendix F: Test Pit Logs - Disposal Site
- Appendix G: Monitoring Well Installation Details - Disposal Site
- Appendix H: Upstate Laboratories Inc. Analytical Reports
- Site Survey Drawings

The Empire Geoservices report provides a comparison of the soil analytical results to NYSDEC 'Technical and Administrative Guidance Memorandum #4046 - Determination of Soil Cleanup Objectives and Cleanup Levels' (hereafter referred to as TAGM #4046). TAGM #4046 is utilized in some NYSDEC remedial programs to approximate 'pre-release' conditions at

contaminated sites. This comparison provides useful information regarding the level of contamination, however, it is often difficult to achieve 'pre-release' conditions at former industrial sites. Therefore, a comparison of soil analytical results to the 'future use' based criteria outlined in NYSDEC regulations (6 NYCRR Part 375) is provided in Section 8.0 of this report.

6.2 Site Survey

Empire Geoservices subcontracted Creekside Boundary (1746 Higgins Road, Warsaw, NY, 14567) to complete site survey work. The survey work was completed in two phases. The first phase included locating the site boundaries in the field and preparing a draft survey drawing for field use. The second phase included returning to the site after the investigation was complete to locate all test pits, borings, surface sampling and monitoring well locations. The final site survey drawings are provide at the end of the Empire Geoservices Report included on disc in Appendix A. Hard copies of the final site survey drawings are also provided in Appendix B.

The scope of work prepared by Empire Geoservices used to secure surveying bids did not include surveying the elevations of the top of well casings. Therefore, in order to determine groundwater flow directions based on well gauging results, Empire Geoservices used Creekside Boundary's site benchmarks to survey the necessary elevations. Although the elevations were not obtained by a NYS licensed surveyor, the data generated was considered useable for the purposes of assessing groundwater flow direction.

6.3 Soil/Fill Investigation and Sampling

A detailed description of the soil fill investigation and sampling is provided in the Empire Geoservices' report included in Appendix A, therefore this section only provides a brief summary of the work performed.

Factory Site

Test pits and/or borings were performed on an approximate 50 foot grid across the Factory Site resulting in a total of 52 test pits and 15 direct push borings. The test pitting was completed between September 5 and September 10, 2007. Soil borings were completed on October 3, 2007. Direct push borings were completed in areas were existing concrete slabs prevented test pitting. The concrete was cored prior to completing the borings. Borings were also used to complete a second round of sampling which took place after the backhoe was removed from the site. Test pits and boring were used to log subsurface conditions (including fill type and thickness) and access the subsurface for soil sampling. In general, test pits and borings were terminated at depths were native material was encountered. The location of all test

pits and borings are included on the survey drawing in Appendix B.

Soil sampling locations and parameters were determined based upon information obtained during prior investigations, type of fill encountered, field screening results, as well as, randomly distributing samples across the site. A second round of sampling was completed to further delineate areas of greatest contamination based on analytical results from samples collected during the initial round of sampling. A comprehensive list of sampling locations and parameters at the Factory Site is included in Table 1. All test pit and soil boring samples were field screened for Volatile Organic Compounds (VOCs) using a Photo Ionization Detector (PID).

Disposal Site

Test pits were utilized as the primary means of subsurface investigation at the Disposal Site. Test pits were completed between October 15 and October 18, 2007. A total of 15 test pits were randomly distributed across the northern half of the disposal site. No test pits were completed on the southern half of the site due to the apparent lack of fill material and the use of this area as a manicured lawn by adjacent residents. Test pits were used to log subsurface conditions (including fill type and thickness) and access the subsurface for soil sampling. In general, test pits were terminated at a depth were native material was encountered. The location of all test pits are included on the survey drawing in Appendix B.

Soil sampling locations and parameters were determined based upon the type of fill encountered, field screening results, as well as, randomly distributing samples across the site. Due to the relatively homogeneous nature of the fill material encountered in each test pit, composite samples of the fill were collected from the test pit stockpiles. A comprehensive list of sampling locations and parameters at the Disposal Site is included in Table 2. All test pit samples were field screened for Volatile Organic Compounds (VOCs) using a Photo Ionization Detector (PID).

6.4 Monitoring Well Installation and Sampling

A combination of existing and new groundwater monitoring wells were used to assess groundwater flow direction and quality at the Howard Street Site. Existing wells were installed at the Factory Site during the hazardous waste Superfund investigation completed in the mid 1990s. Intact wells that were producing water were utilized as sampling points during the current investigation. Additional new 2-inch monitoring wells were installed as appropriate by Empire Geoservices. Monitoring well installation details for newly installed wells are contained in the Empire Geoservices report provided on disc in Appendix A.

Monitoring wells were developed and sampled by NYSDEC personnel. A minimum of (3) well volumes were purged from each well within 24-hours of sample collection. Discrete disposable polyethylene bailers were used to collect groundwater samples. Groundwater in all

monitoring wells was sampled for TCL-VOCs (method SW8260B), TCL-SVOCs (complete series, method SW8270C), TAL-metals (method E200.7), PCBs (method SW8082) and total recoverable phenolics (method E420.4).

Factory Site

Several existing and newly installed groundwater monitoring wells were utilized to assess groundwater flow direction and quality at the Factory Site. On October 3, 2007, the NYSDEC inspected and gauged six existing 2-inch wells(MW-1, MW-2, MW-3, MW-3d, MW-4, MW-5) at the Factory Site. It was determined two of the six wells, MW-2 and MW-3D, contained sufficient water to produce representative groundwater samples. Empire Geoservices installed three additional groundwater monitoring wells at the Factory Site on November 14 and 15, 2007 (MW-6, MW-7, MW-8 and MW-9). MW-7 did not produce water and therefore was not included as part of the well sampling.

The surveyed locations of all newly installed monitoring wells are included on the survey drawing in Appendix B. Existing monitoring wells have been located on the survey drawings (but are not labeled), with the exception of MW-2. MW-2 does not lie within the footprint of the Factory Site. The approximate locations of all existing and new monitoring wells are shown on Figure 3.

MW-2, MW-3d, MW-6 and MW-8 were purged and sampled on December 26, 2007.

Disposal Site

Empire GeoServices installed four new 2-inch monitoring wells at the Disposal Site on November 19 and 20, 2007. The wells were positioned surrounding the fill area at the northern end of the site. No known wells existed on the Disposal Site. The surveyed locations of the new monitoring wells are shown on the survey drawing provided in Appendix B. The approximate locations of the four monitoring wells are shown on Figure 4.

MW-9 and MW-10 were purged and sampled on December 26, 2007. MW-11 and MW-12 were purged on December 26, 2007 and sampled on December 27, 2007. The groundwater was very turbid following purging MW-11 and MW-12 and remained turbid regardless of the quantity of water purged. The wells were allowed to sit overnight to facilitate the collection of relatively clear samples.

7.0 RESULTS

This section provides a summary of the site characterization results as it relates to extent of fill material, soil/fill quality and groundwater quality.

7.1 Extent of Fill Material

All test pit and soil boring logs are included in the Appendices of the Empire Geoservices report titled 'Subsurface Investigation - Former Friendship Foundry Sites' dated February 15, 2008. This report is included on disc in Appendix A.

Factory Site

In general, the subsurface conditions at the Factory Site, west of Howard Street, consist of 3 to 6 feet of fill material including foundry sands, gravels, cinders, slag, and construction debris (i.e. metal scraps, brick, concrete, etc.). Numerous concrete slabs at depths ranging from 2 to 5 feet were encountered along Sawyer and Howard Streets. Native material directly below the fill layer consisted of silty clay with sand at the north end of the site, which transitions to a sandy gravel as you approach the railroad tracks at the south end of the site. Surface conditions consist of a mixture of cobbles and gravel ranging in depth from 0 to 1 foot.

Subsurface conditions at the Factory Site east of Howard Street are characterized by fill ranging from 0 to7 feet in depth. Limited amounts of fill (foundry sand, cinders, slag) were encountered north of the dirt drive except adjacent to the building foundations along Depot Street, where several feet of fill was encountered. Up to 7 feet of fill material was consistently encountered south of the dirt drive. Native material encountered below the fill material consisted of sandy gravel with some clay. In general, surface conditions consisted of 0.5 to 1 foot of topsoil.

Disposal Site

Subsurface conditions at the northern end of the Disposal Site consist of up to 16 feet of fill including foundry sands, slag, silts, brick and numerous deteriorating metal drums containing slag, resins and foundry sands. In general the depth of fill material increases as you move south across the site until you encounter an abrupt change in grade which identifies the limit of the main fill area. South of the abrupt grade change lies a small wooded area and manicured lawns. The fill material at the north end of the property is underlain by native brown sand and gravel. The surface conditions include fill material mixed with some topsoil.

7.2 Soil Analytical Results

Soil sampling raw analytical data and summary tables are included in the Appendices of the Empire Geoservices report titled 'Subsurface Investigation - Former Friendship Foundry Sites' dated February 15, 2008. This report is included on disc in Appendix A. Tables 1 and 2 (in this report) contain a summary of parameters sampled at each test pit and boring location.

Factory Site

Subsurface Samples

Analytical results for samples collected from the subsurface fill showed several discrete sampling locations with elevated metals and SVOC contaminates. In general, significant concentrations of VOCs were not detected with the exception of TP-25 which showed elevated concentrations of acetone (0.130 ppm). Low concentrations of total recoverable phenolics were detected at the majority of sample locations (ND to 0.436 ppm). Pesticides, herbicides, total PCBs and total hexavalent chromium were non detect in all samples.

Elevated metals concentrations were detected in 4 of 34 subsurface samples including samples collected from TP-7 (copper @ 500 ppm), TP-12 (arsenic @ 390 ppm, barium @ 1,500 ppm, lead @ 1,400 ppm, Mercury @ 3.22 ppm), B-2 (arsenic @ 22 ppm) and B-11 (arsenic @ 51 ppm, cadmium @ 83 ppm, copper @ 1,100 ppm). These samples were all collected to the west of Howard Street. Boring B-11 was completed approximately 10 feet to the north of TP-12 which confirmed elevated metals concentrations in this area (although the specific elevated metals were not consistent between the samples). Samples collected on the 50 foot grid immediately adjacent to TP-12 did not exhibit elevated metals concentrations.

Elevated SVOC concentrations were detected in 4 of 12 subsurface samples including TP-25, TP-44, B-14 and B-15. Borings B-14 and B-15 were installed within 20 feet to the east and south of TP-44 and confirmed elevated SVOC concentrations in this area, which is located just south of the dirt drive east of Howard Street. The following contaminates were elevated in at least one of the three samples: benzo(a)anthracene (0.6 to 3.0 ppm), benzo(a)pyrene (3.0 ppm), benzo(b)flouranthene (3.0 to 4.1 ppm), chrysene (0.8 to 3.0 ppm) and phenol (0.8 ppm). Benzo(a)anthracene (0.7 ppm) and chrysene (0.7 ppm) were elevated in TP-25. TP-25 is located at the south east corner of the site, west of Howard Street.

Surface Samples

A total of seven composite surface samples were collected from the Factory Site to assess the quality of surface soils in the 0 to 1 foot bgs interval. VOCs, SVOCs, metals, total PCBs, herbicides, pesticides and total hexavalent chromium were not significantly elevated in any surface sample. Low concentrations of total phenolics (ND to 0.545 ppm) were detected in most surface samples.

One sample was collected from the top three inches of sediment in Sawyer Creek which, in the vicinity of the site, is nothing more than a roadside drainage ditch that parallels the east side of Howard Street. The sample was analyzed for metals which showed elevated concentrations of manganese (5,800 ppm).

Disposal Site

Subsurface Samples

Subsurface fill sampling at the Disposal site showed elevated metals concentrations in the hardened green resin (arsenic @ 91 pmm, cadmium @ 86 ppm) and hardened black resin (barium @ 600 ppm) which were contained in deteriorated metal drums sporadically encountered throughout the fill. The fill sample collected at TP-15 contained slightly elevated arsenic concentrations (21 ppm). PCBs were detected at low concentrations in fill samples collected from TP-11 (0.056 ppm) and TP-12 (0.053 ppm). Significantly elevated concentrations of VOCs and SVOCs were not detected in any samples collected from the Disposal Site. All samples were non detect for herbicides and pesticides. Total phenolics were detected in TP-1 (0.149 ppm) and TP-12 (0.150 ppm).

Surface Samples

Surface samples were not collected from the disposal site since significant contamination was not detected in the subsurface fill samples.

7.3 Groundwater Flow Direction and Analytical Results

The following section contains gauging data and analytical results collected on groundwater. Monitoring well gauging data is provided on Table 3. Estimated groundwater flow direction is shown on Figures 3 and 4 for the Factory Site and Disposal Site, respectively. Groundwater sampling raw analytical data is provided in Appendix C. A groundwater analytical data summary table is provided as Table 3. The summary table includes all compounds detected above the laboratory detection limits.

Factory Site

Groundwater flow direction at the Factory Site was estimated from two separate well gauging events completed on November 23, 2007 and May 8, 2008. The estimated groundwater flow direction is to the south as shown on Figure 3.

Groundwater was sampled from four monitoring wells (MW-2, MW-3d, MW-6, MW-8) at the Factory Site on December 26, 2007. These results show elevated concentrations of several

metals exceeding New York State's ambient water quality standards and guidance values for groundwater used as a drinking water source. Specific metals that exceeded the standards and guidance values in at least one well include arsenic (0.028 mg/l), iron (0.43 to 1.2 mg/l), manganese (0.52 mg/l), sodium (53 - 61 mg/l) and thallium (0.002 - 0.017 mg/l). In addition to these metals, total recoverable phenolics exceeded the groundwater guidance value at MW-2 (0.005 mg/l). No VOC, SVOC, herbicide, pesticide or PCB compounds were detected in the groundwater above the laboratory detection limit.

Water service is provided by the Friendship Town Water District in the vicinity of the Factory Site, therefore, it is not expected that groundwater is used as a drinking water source. Arsenic exceeded the drinking water standard by 3 ug/l in MW-3d only, and therefore, is not considered a contaminant of concern in the groundwater. Iron, manganese and total recoverable phenolics moderately exceeded the guidance values in several wells, however, these guidance values are based on aesthetics and, for the purpose of this site characterization, are not considered contaminants of concern in the groundwater. Sodium exceeded drinking water standards in two wells, however, sodium is naturally occurring and is not considered a concern at the concentrations detected.

Thallium is the only contaminant at the Factory Site that was consistently detected in all wells at concentrations between 4 and 34 times the drinking water standard. Thallium is most commonly produced in the electronics, pharmaceutical and glass manufacturing industries. Until it was banned in 1975, Thallium sulfate was used as a rat and ant killer. It is also associated with the production of sulfuric acid and the smelting of lead and zinc ores. Thallium was not detected in any surface or subsurface fill sample at the Factory Site and was detected in up gradient well MW-6 at 18 times the drinking water standard. The source of thallium detected in on-site groundwater is not known.

Disposal Site

Groundwater flow direction at the Disposal Site was estimated from two separate well gauging events completed on November 26, 2007 and May 8, 2008 . As shown on Figure 4, groundwater is estimate to flow to the south east.

Groundwater was sampled from four monitoring wells (MW-9, MW-10, MW-11, MW-12) at the Disposal Site on December 26 and 27, 2007. These results show elevated concentrations of several metals exceeding New York State's ambient water quality standards and guidance values for groundwater used as a drinking water source. Specific metals that exceed the standards and/or guidance values include iron (0.45 - 1.5 mg/l), manganese (0.43 - .91 mg/l), sodium (24 - 30 mg/l) and thallium (0.008 - 0.011 mg/l). One SVOC, bis(2-ethylhexyl)phthalate (6.3 ug/l), slightly exceeded the drinking water standard at MW-9. Total recoverable phenolics exceeded the drinking water guidance value at MW-10 (0.011 mg/l) and MW-12 (0.007 mg/l). No VOC, herbicide, pesticide or PCB compound was detected in the groundwater above the laboratory detection limit.

Water service is provided by the Friendship Town Water District in the vicinity of the Disposal Site, therefore, it is not expected that groundwater is used as a drinking water source. Iron, manganese and total recoverable phenolics moderately exceeded the guidance values in several wells, however, these guidance values are based on aesthetics and, for the purpose of this site characterization, are not considered contaminants of concern in the groundwater. Sodium exceeded groundwater drinking water standards in three wells, however, sodium is naturally occurring and is not considered a concern at the concentrations detected. Bis(2-ethylhexyl)phthalate exceeded the drinking water standard by 1.3 ppb at MW-9 only, therefore, bis(2-ethylhexyl)phthalate is not considered a significant contaminant of concern at the Disposal Site.

Thallium is the only contaminant at the Disposal Site that was consistently detected in all wells at concentrations between 16 and 22 times the drinking water standard. Thallium was detected in one subsurface fill sample at 65 ppm at the Disposal Site. This sample identified as 'green resin' was collected from a hardened resin material contained in deteriorating metal drums sporadically encountered throughout the fill material. Although thallium was detected in this sample, it cannot be verified that this is the source of the thallium in on-site groundwater. Thallium was also detected in groundwater at the Factory Site where the green resin was not encountered.

8.0 CONCLUSIONS

This section provides a bulleted summary of results obtained during the site characterization investigation:

Factory Site

- Between 3 and 7 feet of fill material, including foundry sand, gravels, cinders, slag and construction debris, exists across the majority of the site. The portion of the site east of Howard Street and north of the dirt drive contained limited amounts of fill except adjacent to (and presumably under) the concrete slabs encountered along Depot Street, where several feet of fill material was encountered.

- Subsurface Fill:

  - Elevated metals concentrations were detected in 4 of 34 subsurface fill samples including TP-7 (copper @ 500 ppm), TP-12 (arsenic @ 390 ppm, barium @ 1,500 ppm, lead @ 1,400 ppm, Mercury @ 3.22 ppm), B-2 (arsenic @ 22 ppm) and B-11 (arsenic @ 51 ppm, cadmium @ 83 ppm, copper @ 1,100 ppm).

  - Elevated SVOC concentrations were detected in 4 of 12 subsurface fill samples including TP-25, TP-44, B-14 and B-15. Specific elevated SVOC contaminates detected in at least one sample include benzo(a)anthracene (0.6 to 3.0 ppm), benzo(a)pyrene (3.0 ppm), benzo(b)flouranthene (3.0 to 4.1 ppm), chrysene (0.7 to 3.0 ppm) and phenol (0.8 ppm).

  - Significant concentrations of VOCs were not detected with the exception of TP-25 which showed elevated concentrations of acetone (0.130 ppm).

  - Low concentrations of total recoverable phenolics were detected at the majority of sample locations (ND to 0.436 ppm).

  - Pesticides, herbicides, total PCBs and total hexavalent chromium were non detect in all samples.

- Surface Samples:

  - A total of seven composite surface samples were collected in the 0 to 1 foot below ground surface interval. Native material underlying the fill consisted silty clay and/or sandy gravel.

- VOCs, SVOCs, metals, total PCBs, herbicides, pesticides and total hexavalent chromium were not significantly elevated in any surface sample.

- Low concentrations of total phenolics (ND to 0.545 ppm) were detected in 3 of 4 surface samples.

- Groundwater:

  - Estimated groundwater flow direction is to the south.

  - The following metal compounds exceeded New York State's ambient water quality standards and guidance values for groundwater used as a drinking water source in at least one of the four wells sampled: *Metals:* arsenic (0.028 mg/l), iron (0.43 to 1.2 mg/l), manganese (0.52 mg/l), sodium (53 - 61 mg/l) and thallium (0.002 - 0.017 mg/l). The source of Thallium is unknown.

  - Total recoverable phenolics exceeded the groundwater guidance value at MW-2 (0.005 ppm).

  - No VOC, SVOC, herbicide, pesticide or PCB compounds were detected above the laboratory detection limit.

  - Nearby residents are serviced by the Friendship Town Water District, therefore direct consumption of groundwater is not expected.

Disposal Site

- Subsurface conditions at the northern end of the Disposal Site consist of up to 16 feet of fill including foundry sands, slag, silts, brick and numerous deteriorating metal drums containing slag, resins and foundry sands. In general the depth of fill material increases as you move south across the site until you encounter an abrupt change in grade which identifies the limit of the main fill area.

- The east bank of the North Branch of Van Campen Creek is a near vertical wall of exposed fill material along the northern end of the site.

- Subsurface Fill:

  - 3 of 10 subsurface samples exhibited elevated metals concentrations including the hardened green resin (arsenic @ 91 pmm, cadmium @ 86 ppm), hardened black resin (barium @ 600 ppm) and fill at TP-15 (arsenic @ 21 ppm).

  - PCBs were detected at low concentrations in fill samples collected from TP-11 (0.056 ppm) and TP-12 (0.053 ppm).

  - Significantly elevated concentrations of VOCs and SVOCs were not detected in any sample. All samples were non detect for herbicides and pesticides.

  - Total phenolics were detected in TP-1 (0.149 ppm) and TP-12 (0.150 ppm).

  - Results from sample TP-1, collected adjacent to the fill along the east bank of Van Campen Creek, did not indicate significant ecological concerns regarding the fill material in this area.

- Groundwater:

  - Estimated groundwater flow direction is to the southeast.

  - The following metal compounds exceeded New York State's ambient water quality standards and guidance values for groundwater used as a drinking water source in at least one of the four wells sampled: iron (0.45 - 1.5 mg/l), manganese (0.43 - .91 mg/l), sodium (24 - 30 mg/l) and thallium (0.008 - 0.011 mg/l).

  - One SVOC, bis(2-ethylhexyl)phthalate (6.3 ug/l), slightly exceeded the drinking water standard at MW-9.

  - Total recoverable phenolics exceeded the drinking water guidance value at MW-10 (0.011 mg/l) and MW-12 (0.007 mg/l).

  - No VOC, herbicide, pesticide or PCB compound was detected in the groundwater above the laboratory detection limit.

  - Nearby residents are serviced by the Friendship Town Water District, therefore direct consumption of groundwater is not expected.

9.0 SITE REDEVELOPMENT

This site characterization investigation, funded by an EPA Targeted Site Assessment Grant, was undertaken to characterize environmental contamination at the Howard Street Site. The goal of the Targeted Site Assessment Program is to help spur redevelopment of brownfield sites by providing environmental data that can be used to assess potential liability associated with site contamination.

This section provides a cursory assessment of potential future use as is relates to the environmental data collected. The basis for this assessment are the restricted use soil cleanup objectives provided in regulation section 6 NYCRR Part 375-6.8(b). This regulation section outlines maximum soil contaminant concentrations for various development scenarios including residential, restricted residential, commercial and industrial. It is emphasized that these concentrations only apply to sites which have been formally and legally accepted into one of the State's brownfield cleanup programs. These concentrations cannot solely be used independent of a specific State program which provides additional controls including the filing of environmental easements, engineering controls, long term monitoring, etc. Therefore, these restricted use soil cleanup objectives are used for comparison only as it relates to this investigation.

Factory Site

Development of the Factory Site property for commercial use appears to be a reasonable and readily obtainable development scenario based on past use and current environmental state of the site. Residential use is not recommended since heavy industrial use and disposal of waste has created adverse environmental impacts to both site soils and groundwater. No distinct or significant source areas of contamination in subsurface fill materials were identified. Impacts to subsurface fill material in excess of the 6 NYCRR Part 375 'Restricted Commercial Use' soil cleanup objectives have been identified as summarized in Table 4. Surface soils appear to be minimally impacted with the exception of low levels of total recoverable phenolics. Groundwater has been impacted by site contaminants, however, groundwater is not used as a drinking water source in the area surrounding the site.

Potential remedial scenarios may include providing an adequate cover using buildings, roadways or clean fill. Consideration may be given to removal and disposal of subsurface soils in excess of the 6 NYCRR Part 375 'Restricted Commercial Use' soil cleanup objectives. Restrictions on groundwater use and appropriate soils management is suggested.

Disposal Site

Development of the Disposal Site property for commercial use appears to be a reasonable and readily obtainable development scenario based on past use and current environmental state

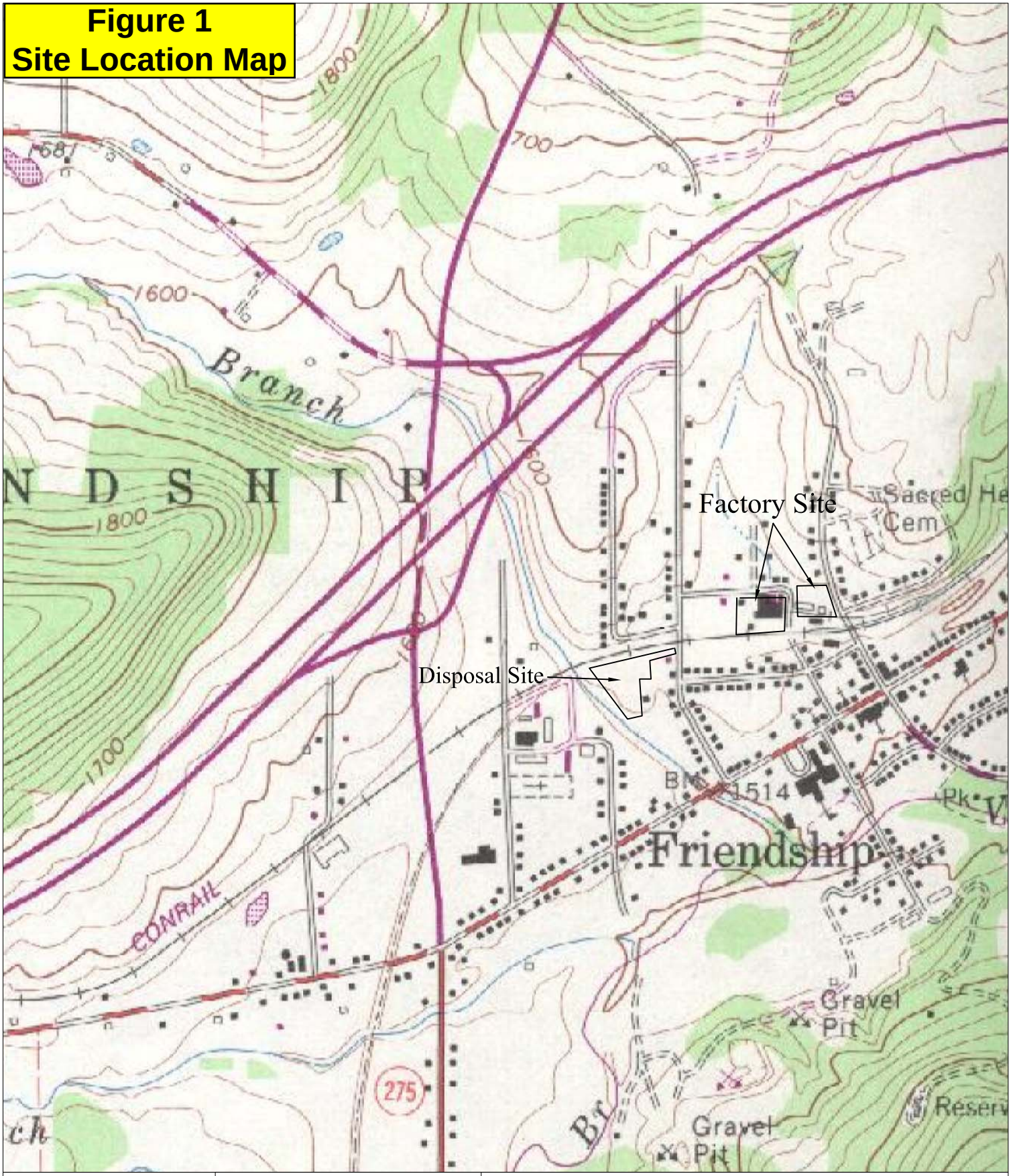
of the site. Residential use is not recommended since the disposal of industrial waste has created adverse environmental impacts to both site soils and groundwater. No distinct or significant source areas of contamination in subsurface fill materials were identified. Impacts to subsurface fill material in excess of the 6 NYCRR Part 375 'Restricted Commercial Use' soil cleanup objectives have been identified as summarized in Table 5. The resin material is contained in deteriorating drums sporadically encountered throughout the fill material. Groundwater most likely has been impacted by site contaminants, however, groundwater is not used as a drinking water source in the area surrounding the site.

Potential remedial scenarios may include providing an adequate cover using buildings, roadways or clean fill. Consideration may be given to removal and disposal of subsurface soils in excess of the 6 NYCRR Part 375 'Restricted Commercial Use' soil cleanup objectives. Restrictions on groundwater use and appropriate soils management is suggested.

Consideration should also be given to preventing fill material from eroding into the North Branch of Van Campen Creek. The east bank of the creek is a near vertical wall consisting of fill material visually similar to those encountered elsewhere on site. Analytical results indicate the fill material adjacent to the bank is less contaminated then the fill located on the interior of the site. Also, the resin material which exhibited elevated contaminate levels is currently not visible along the bank. However, stabilization of the bank should be considered during remediation of the site.

Figures

Figure 1
Site Location Map



NOTE:

SITE LOCATION PLAN DEVELOPED FROM USGS TOPOGRAPHICAL FRIENDSHIP QUADRANGLE MAP

LIMITS OF SITE BOUNDARIES ARE APPROXIMATE

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

SUBSURFACE INVESTIGATION
FORMER FRIENDSHIP FOUNDRY
MAIN FACTORY SITE / DISPOSAL SITE
TOWN OF FRIENDSHIP, NEW YORK

SITE LOCATION MAP

DR. BY: JCM	SCALE: NTS	PROJECT NO.: BEV-07-022
CK. BY: DRS	DATE: 12/26/07	

FIGURE 2

Howard Street Site
Aerial Map

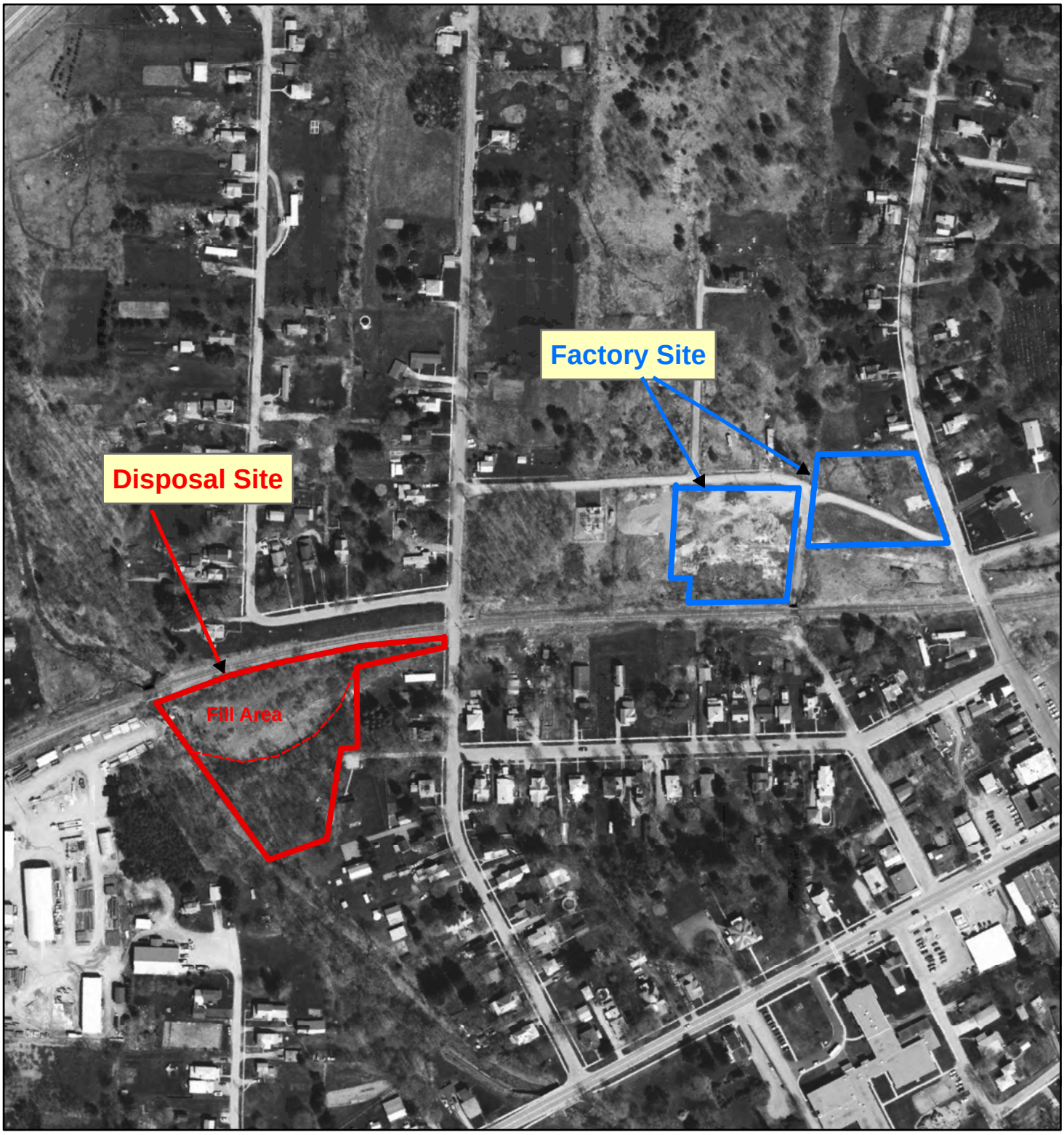


FIGURE 3

Factory Site
Monitoring Well and Groundwater Flow Map

MW-2 -->Sampled during current investigation

MW-1 -->Not sampled during current investigation

old/new -->Installed during prior investigation/installed during current investigation

0 50 100 200 Feet

Monitoring Well Locations Are Approximate
See Survey for Precise Location

FIGURE 4

Disposal Site
Monitoring Well and Groundwater Flow Map

MW-9 -->Installed and sampled during current investigation

0 50 100 200 Feet

Monitoring Well Locations Are Approximate
See Survey for Precise Location

Tables

TABLE 1
SAMPLING SUMMARY

FACTORY SITE
Friendship Foundry
Town of Friendship, New York

	Sample ID	Depth (Feet)	Metals	Hexavalent Chromium	SVOCs	Total Phenolics	VOCs	PCBs	Pesticides	Herbicides
	Analytical Method -->		*SW6010B*[1]	*SW7196A*	*SW8270C*	*E420.1*	*SW8260B*	*SW8081A*	*SW8081A*	*SW8151A*
TEST PIT SAMPLES	TP-1	5'	X					X		
	TP-3	4'	X	X	X		X	X	X	X
	TP-6A	1.5'	X							
	TP-7	2.5'	X[2]							
	TP-8	4'	X					X		
	TP-12	2'	X					X		
	TP-14	5'	X	X	X	X	X	X	X	X
	TP-16	3'	X	X	X	X	X	X	X	X
	TP-17A	3'	X					X		
	TP-20	3'	X							
	TP-24	4'	X					X		
	TP-25	2'	X	X	X	X	X	X	X	X
	TP-26	1.5'	X							
	TP-28	3'	X					X		
	TP-30	4.5'	X					X		
	TP-34	3'	X					X		
	TP-37	1'					X			
	TP-40	3'	X					X		
	TP-41	2'	X							
	TP-42	2'	X							
	TP-44	3'	X	X	X	X	X	X	X	X
	TP-46	4'	X							
	TP-47	5'	X	X	X	X	X	X	X	X
	TP-49	3'	X							
	TP-50	5'	X					X		
BORINGS	B-1	3-4'	X					X		
	B-2	2-3'	X							
	B-3	4-7'	X	X	X	X	X	X		
	B-4	3-4'	X					X		
	B-5	4-5'	X					X		
	B-8	6-7'	X		X		X	X		
	B-9	3-6'	X	X	X	X	X	X	X	X
	B-11	3'	X							
	B-12	2'	X							
	B-13	2'			X					
	B-14	2'			X					
	B-15	2'			X					
SURFACE	TPs-6,11,16[3]	0-1'	X	X	X	X	X	X	X	X
	TPs-49,46,42[3]	0-1'	X	X	X	X	X	X	X	X
	TPs-37,39,40B[3]	0-1'	X		X	X		X	X	X
	TPs-31,32,38[3]	0-1'	X		X	X		X	X	X
	SS-1	0-1'	X							
	SS-2	0-1'	X							
	SS-3	0-1'	X							
	Sed 1	0-0.25'	X							
Total Samples			**41**	**10**	**16**	**11**	**12**	**26**	**11**	**11**

[1]Mercury was analyzed via analytical method SW7471A.

[2]A red (X) indicates at least one compound exceeded 6 NYCRR Part 375 Restricted Commercial guidance values.

[3]Surface samples were collected as composites from the referenced test pits.

TABLE 2
SAMPLING SUMMARY

DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification	Metals	SVOCs	Total Phenolics	VOCs	PCBs	Pesticides	Herbicides
Analytical Method -->	*SW6010B*[1]	*SW8270C*	*E420.1*	*SW8260B*	*SW8081A*	*SW8081A*	*SW8151A*
TP-1[2]	X	X	X	X	X	X	X
TP-4	X	X	X	X	X	X	X
TP-10 (Drum)	X	X	X	X	X	X	X
TP-11	X	X	X	X	X	X	X
TP-12	X	X	X	X	X	X	X
TP-15	X[3]	X	X	X	X	X	X
Green 'Resin'	X	X					
Black 'Resin'	X	X					
Grey Slag	X						
White Slag	X						
Total Samples	**10**	**8**	**6**	**6**	**6**	**6**	**6**

[1]Mercury was analyzed via analytical method SW7471A.

[2]Test Pit Samples collected as composites from excavated fill material.

[3]A red (X) indicates at least one compound exceeded 6 NYCRR Part 375 Restricted Commercial guidance values.

TABLE 3
GROUNDWATER ELEVATION DATA[1]
FACTORY AND DISPOSAL SITES
Friendship Foundry
Town of Friendship, New York

Monitoring Well	Well Information			Water Elevation Data					
	Well Type[2]	Ground Elevation	Riser Elevation	Depth To Water[3]	Water Elevation	Reference Elevation[4]	Depth To Water	Water Elevation	Reference Elevation
Factory Site:				11/23/2007			5/8/2008		
MW-2	Existing	1526.8	1529.3	---	---	---	9.38	1519.92	11.38
MW-3d	Existing	1523.9	1526.1	21.9	1502	0	17.12	1508.98	0.44
MW-6	New	1534.5	1537.4	23.31	1514.09	12.09	20.79	1516.61	8.07
MW-7	New	1531.3	1533.7	Dry	---	---	Dry	---	
MW-8	New	1523.4	1526.4	21.51	1504.89	2.89	17.86	1508.54	0
Disposal Site:				11/26/2007			5/8/2008		
MW-9	New	1535.8	1538.6	18.82	1519.78	2.56	16.57	1522.03	3.16
MW-10	New	1536.6	1539.5	19.7	1519.8	2.58	12.21	1527.29	8.42
MW-11	New	1525.7	1528.4	10.95	1517.45	0.23	7.33	1521.07	2.2
MW-12	New	1524.6	1527.7	10.48	1517.22	0	8.83	1518.87	0

[1] All ground surface and riser elevation data was collected by Empire GeoServices. The data was not collected by a NYS Licensed Surveyor and was only used to approximate groundwater flow direction. Elevation data is listed in feet and referenced to a benchmark established by Creekside boundary.

[2] Existing wells refers to monitoring wells installed during the NYS Superfund investigation completed in the mid 1990s. New wells refer to monitoring wells installed during the current investigation.

[3] Depth to water measurements are recorded in feet and measured relative to the top of riser.

[4] Reference Elevation references each well elevation to the lowest elevation recorded at each site on each day.

TABLE 4
SUMMARY OF RESTRICTED COMMERCIAL EXCEEDANCES

FACTORY SITE
Friendship Foundry
Town of Friendship, New York

			Sample Identification				
		Restricted Commercial SCOs	TP-7 (2.5')	TP-12 (2')	B-2 (2-3')	B-11 (3')	TP-44 (3')
	Units-->	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
METALS	Arsenic	16	8.1	390	22	51	9.3
	Barium	400	96	1500	130	190	190
	Cadmium	9.3	3.5	2	2.1	83	1.2
	Copper	270	500	230	73	1100	41
	Lead	1000	360	1400	230	610	180
	Mercury	2.8	0.22	3.22	0.18	0.085	0.078
SVOCS	*Units-->*	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
	Benzo(a)pyrene	1000	NA	NA	NA	NA	3000

Red highlight indicates an exceedance of 6 NYCRR Part 375 Restricted Commercial SCOs.

TABLE 5
SUMMARY OF RESTRICTED COMMERCIAL EXCEEDANCES

DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

		Restricted Commercial SCOs	Sample Identification		
			Green Resin	Black Resin	TP-15
	Units-->	mg/kg	mg/kg	mg/kg	mg/kg
METALS	Arsenic	16	91	ND	21
	Barium	400	230	600	100
	Cadmium	9.3	86	ND	0.9

Red highlight indicates an exceedance of 6 NYCRR Part 375 Restricted Commercial SCOs.
ND - Non Detect

Appendix A

Reports on Disc:

1. Remedial Investigation Report
   Friendship Foundry Site
   Allegany County, New York
   Site No. 9-02-015
   February 1996

2. Empire GeoServices Report, Inc.
   Subsurface Investigation
   Former Friendship Foundry Sites (aka Howard Street Site)
   Town of Friendship, New York
   February 15, 2008

NYS Department of Environmental Conservation

REMEDIAL INVESTIGATION REPORT

Friendship Foundry Site

Allegany County, New York

Site No. 9-02-015

Bureau of Western Remedial Action
Division of Hazardous Waste Remediation

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FIGURES

TABLES

APPENDICES

1.0 PURPOSE AND SCOPE

The Friendship Foundry site was listed on the New York State Registry of Inactive Hazardous Waste Sites in 1991 because of the presence of drums and other waste materials containing hazardous wastes which were abandoned when the foundry closed. The drums containing hazardous wastes, as well as surficial soil, foundry sand, and various foundry wastes, were removed by the USEPA by May 1992. The poor condition of many of the drums that were removed suggested that soil and/or groundwater may have been impacted by foundry activities. Also, foundry wastes (foundry sand, baghouse dust, etc.) remain on the site. The purpose of the remedial investigation at Friendship Foundry is to determine if soil or groundwater has been impacted by hazardous waste disposal associated with past foundry activities, and whether any additional hazardous wastes remain at the site. The following activities were included in the Remedial Investigation (RI):

1. Site Description and History
2. Background Search/Survey of Existing Data
3. Soil Gas Survey
4. Waste and Surface Soil Sampling Program
5. Subsurface (Test Pit) Investigation and Sampling Program
6. Surface Water and Sediment Sampling Program
7. Groundwater Investigation (Monitoring Wells)

Results from the sampling programs were compared to all applicable Standards, Criteria, and Guidance values (SCG's). SCG's that apply to different media are as follows:

TABLE 1
APPLICABLE STANDARDS, CRITERIA, AND GUIDANCE (SCGs)

Media	SCG
Soil	NYSDEC Division of Hazardous Waste Remediation TAGM 4046, Determination of Soil Cleanup Objectives and Cleanup Levels 6 NYCRR Part 371, NYSDEC Division of Hazardous Substance Regulation TAGM 3028, "Contained in Criteria for Environmental Media" (11/92)
Waste	6 NYCRR Part 371, Listing of Hazardous Waste, NYSDEC Division of Hazardous Substance Regulation TAGM 3028, "Contained in Criteria for Environmental Media" (11/92)
Surface Water Body Sediments	NYSDEC Division of Fish and Wildlife, Technical Guidance for Screening Contaminated Sediments
Surface Water	6NYCRR Part 700-705, Water Quality Regulations for Surface Water and Groundwater, NYSDEC Division of Water TOGS 1.1.1
Groundwater	6NYCRR Part 700-705, Water Quality Regulations for Surface Water and Groundwater, NYSDEC Division of Water TOGS 1.1.1

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Description:

The Friendship Foundry site (Site No. 9-02-015) is an abandoned cast iron foundry located in the Village of Friendship, Allegany County. Friendship is a small village with a population of 2,185 (U.S. Census Bureau, 1990). The area surrounding the village is rural and the topography is hilly. Three separate properties comprise the site; known as Friendship Foundry No. 1 (main foundry plant, drum storage building, maintenance building, and wooden building), Friendship Foundry No. 2 (pattern shop), and Friendship Foundry No. 3 (casting cleaning operations). Figure 1 shows the locations of these three parcels. The three parcels total approximately 3.9 acres.

2.2 Site History:

The foundry began operations in the 1800's under the management of Drake Manufacturing Company. Drake Manufacturing sold the foundry to Macler Industries in 1955. The facility was closed in 1987 when Macler Industries filed for bankruptcy. Later in 1987 the plant re-opened as Friendship Foundry under the ownership of Mr. and Mrs. Henry Mayo.

In May 1988, Friendship Foundry entered into Consent Order No. 87-183 with the New York State Department of Environmental Conservation (NYSDEC) to address air pollution violations. In August 1988, a NYSDEC inspection of the foundry noted several violations including piles of particulates from baghouse filters around the foundry yard, open containers of baghouse particulate, foundry sand being dumped outdoors, and several air pollution concerns. A status report issued by the NYSDEC's Division of Air Resources dated September 16, 1988 noted that Friendship Foundry was now properly storing foundry sand, however, it also noted contaminated soil that required cleanup, PCB contamination of a basement sump, the discharging of water without a SPDES permit, and several continuing air emissions problems. On March 6, 1989 Consent Order No. 87-183A was issued by the NYSDEC fining Friendship Foundry for failure to comply with the previous Consent Order and requiring the foundry to design and construct an air pollution abatement system, properly store foundry sand, and dispose of all drums in the drum storage yard. On June 1, 1990 the NYSDEC determined that the foundry was unable to comply with the air pollution regulations specified in Order on Consent #87-183A and issued a Summary Abatement Order terminating Friendship Foundry's authorization to operate the air emission points associated with the casting operation, which resulted in the closing of the Foundry.

Subsequent to the closing of the Foundry, site inspections revealed foundry sand, leaking and bulging drums, chemical sheens on nearby surface water and other waste materials remaining at the site, which represented threats to public health and/or the environment. It was also noted that although 1,1,1-trichloroethane had been used for degreasing at the foundry, no records regarding proper disposal of the spent material were found. To address the threat posed by the abandoned waste materials, in an October 10, 1990 letter, the NYSDEC

requested that the United States Environmental Protection Agency (USEPA) perform an emergency removal action to stabilize, characterize and remove the hazardous wastes and substances which had been abandoned at the Foundry site. This interim remedial measure (IRM) was initiated by USEPA on August 7, 1991 and the removal action was completed in May 1992. Table 2, which was developed by the USEPA, documents the types and quantities of waste removed during the IRM. In addition to the wastes listed on Table 2, foundry sand, baghouse dust, contaminated soil, and other debris were also removed from the foundry and sent to a secure landfill. At the completion of the IRM, the foundry area was seeded to stabilize the surface soils and reduce runoff from the site.

TABLE 2
Wastes Removed During USEPA Removal Action

Waste Type	Volume/Weight
Labpacks	9,045 pounds
Waste flammable/corrosive liquid	110 gallons
Waste combustible liquid	55 gallons
Waste flammable liquid	605 gallons
Waste alkaline liquid	550 gallons
Waste corrosive reactive solid	600 pounds
Waste corrosive reactive liquid	110 gallons
Waste PCB oil	5000 K (assumed Kilograms)
Waste flammable liquid	5,285 gallons
Phenolic based foundry sand	1,038 tons
Phenolic hard rock resins	150 cubic yards
Phenolic powdered resins	22,500 pounds
Empty containers	590 55 gallon and 250 5 gallon
Scrap metal	62 tons
Foundry products	27,850 pounds

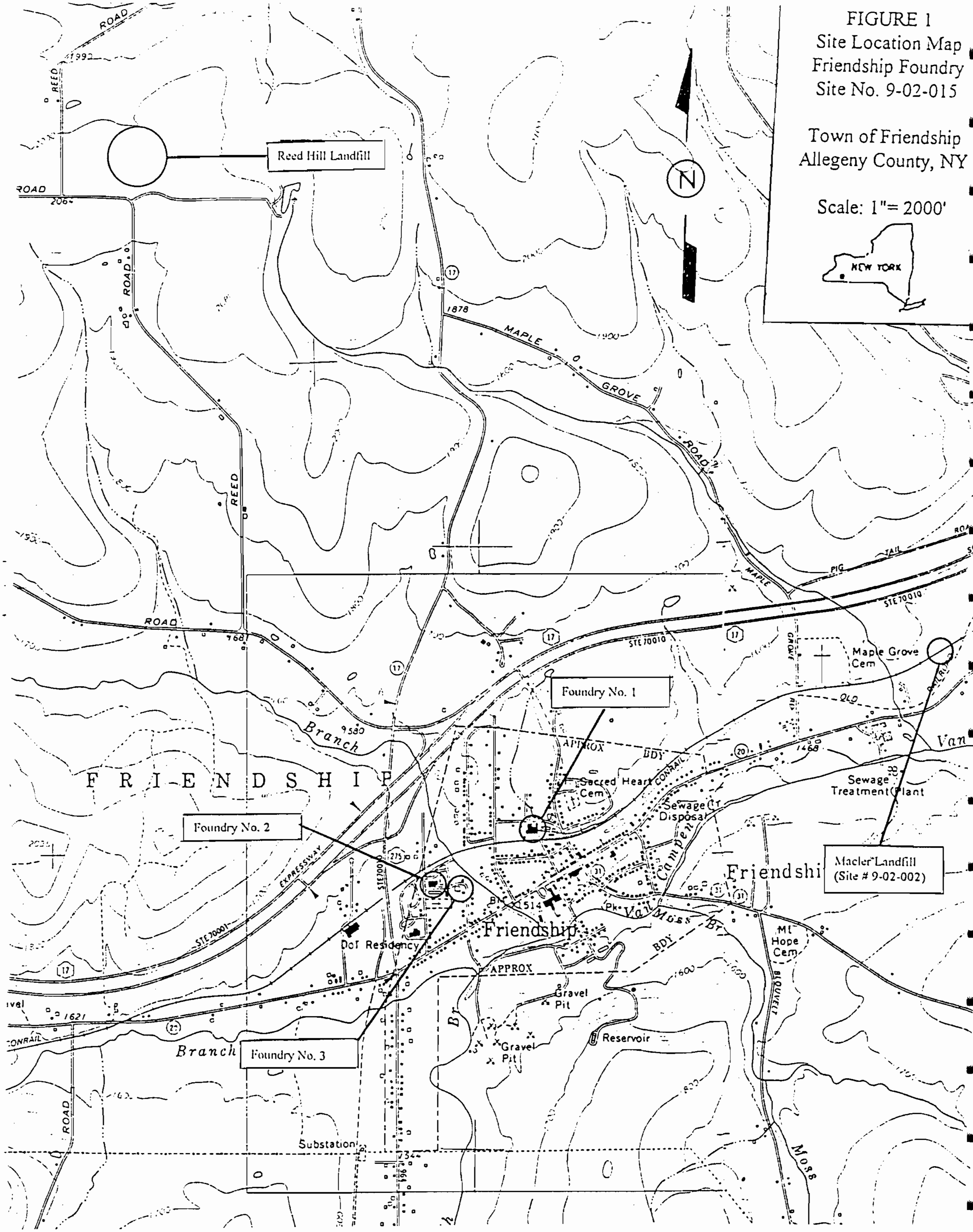


FIGURE 1
Site Location Map
Friendship Foundry
Site No. 9-02-015

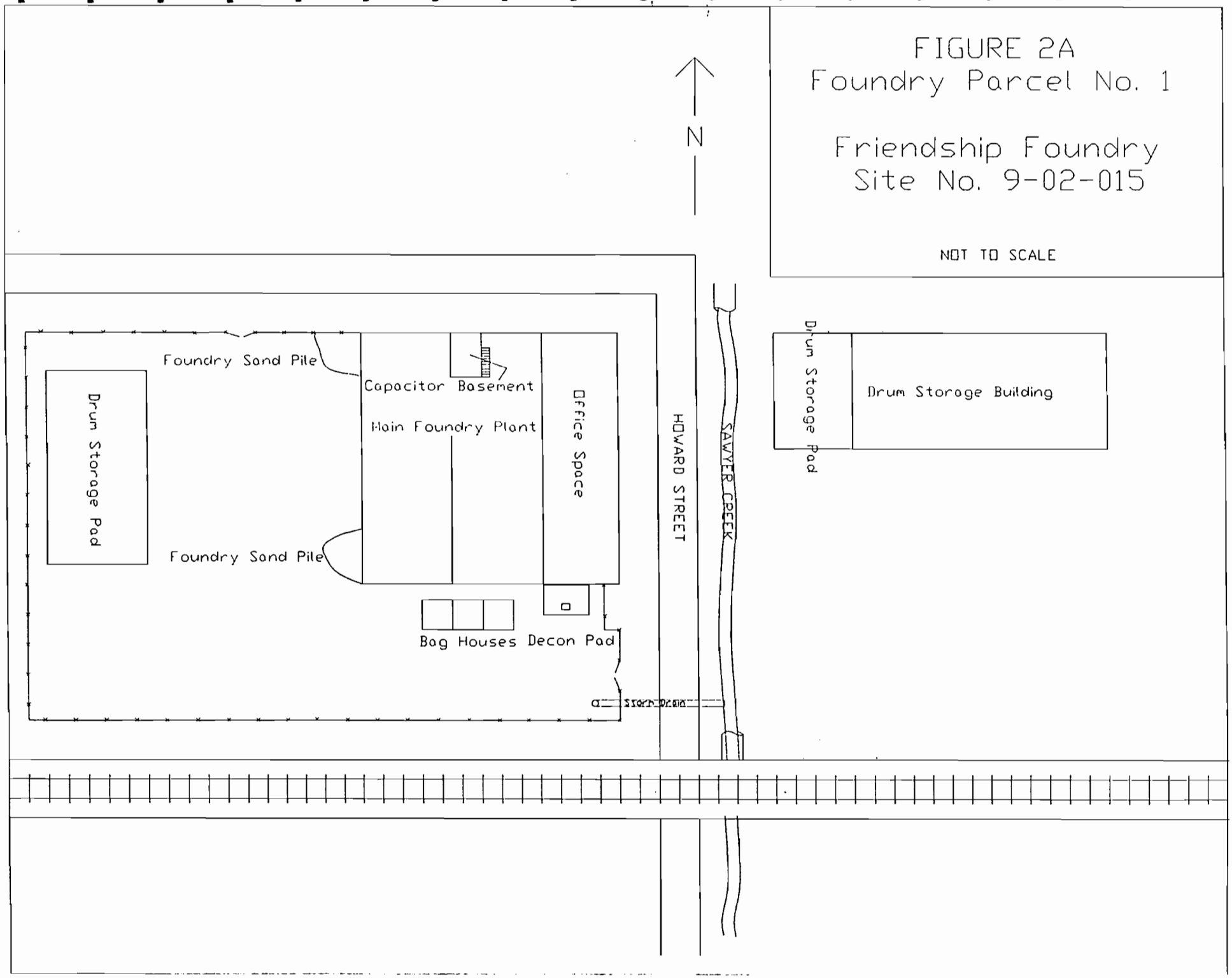
Town of Friendship
Allegeny County, NY

Scale: 1"= 2000'

FIGURE 2A
Foundry Parcel No. 1

Friendship Foundry
Site No. 9-02-015

NOT TO SCALE



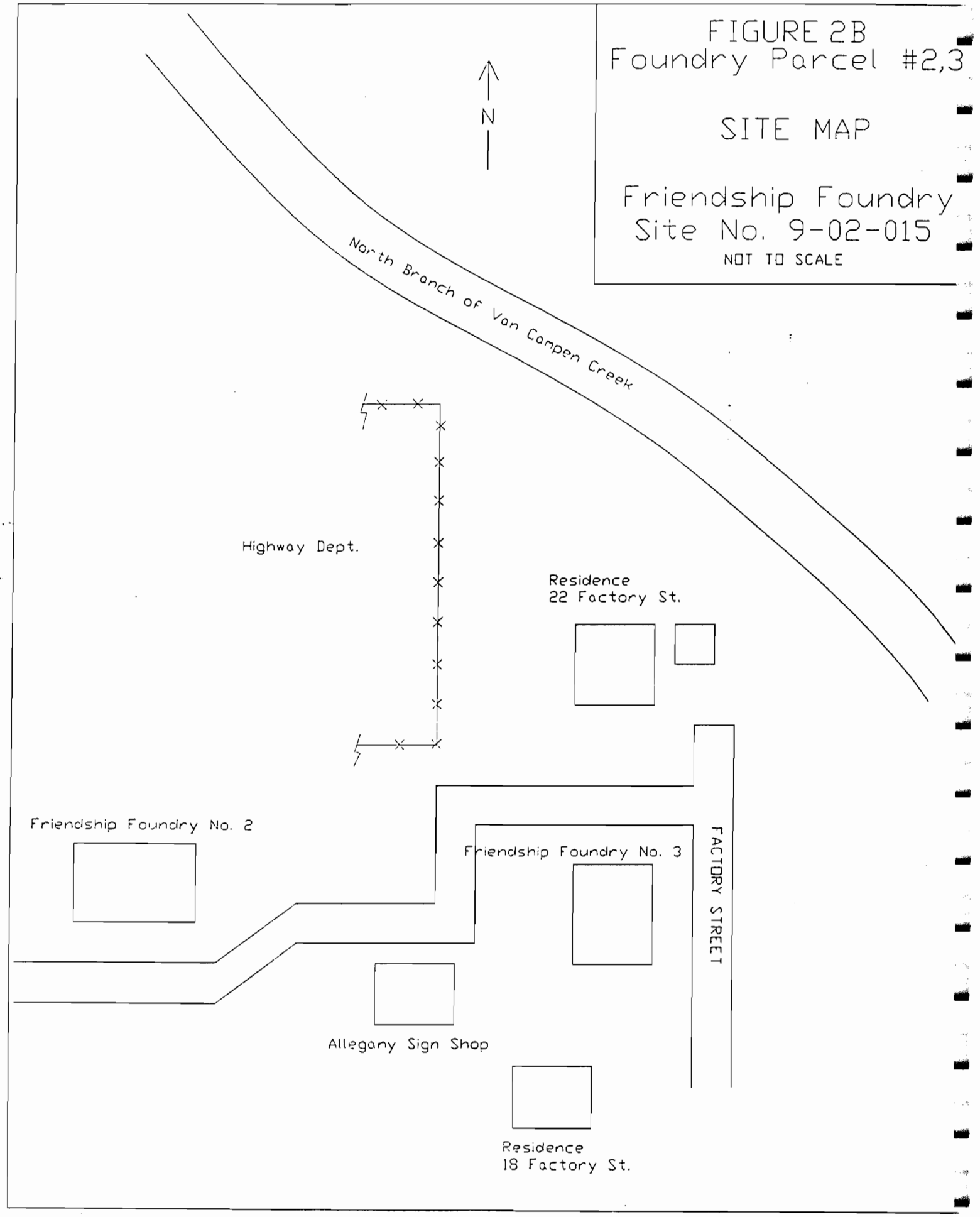


FIGURE 2B
Foundry Parcel #2,3
SITE MAP
Friendship Foundry
Site No. 9-02-015
NOT TO SCALE
N
North Branch of Van Campen Creek
Highway Dept.
Residence
22 Factory St.
Friendship Foundry No. 2
Friendship Foundry No. 3
FACTORY STREET
Allegany Sign Shop
Residence
18 Factory St.

The generally poor condition of the drums removed from the site suggested that soil and/or groundwater may have been impacted by the hazardous wastes removed from the site during the IRM. Also, foundry sand and baghouse dust remained on the Foundry No. 1 parcel after the EPA removal action was complete. In order to resolve the Class 2 designation of the site, NYSDEC determined that a Remedial Investigation (RI) was necessary to identify any remaining hazardous waste and associated environmental contamination which may have resulted from the disposal of the waste.

3.0 Geological and Hydrogeological Setting:

3.1 Regional Geology and Hydrogeology:

The following section is an excerpt from the report "Friendship, New York, Groundwater Development Feasibility Study," prepared for Day Engineering by Moody and Associates.

Topographical Setting: The Village of Friendship, New York is located within Allegany County in the southern portion of the Genesee River Basin in glaciated southwestern New York. The topography in the area is dissected by Van Campen Creek and it's North Branch, West Branch, and South Branch tributaries. Total topographic relief in the study area is approximately 540 feet with the highest elevations on the hills surrounding Friendship, New York and the lowest elevations found in the Van Campen Creek Valley.

Glacial Geology: This region of Allegany County, New York contains a covering of unconsolidated glacial and fluvio-glacial sediments deposited here during the Pleistocene glaciation events. The highlands surrounding Friendship, New York are generally covered with one to a hundred feet plus of poorly sorted till. Till is generally poorly sorted sands, gravels, and even boulders set in a very fine clay matrix. The valleys of Van Campen Creek and it's tributaries contain glacial and fluvio-glacial deposits.

The valley of the West Branch of Van Campen Creek, west of Route 275, and along the valley of Van Campen Creek south of Route 408 and northeast of Corbin Hill Road, contain stratified sands and gravels. These sands and gravels lie beneath lacustrine deposits consisting of fine grained sands, silts, and clays.

The valley of the South Branch of Van Campen Creek and in the Van Campen Creek Valley north of Route 408 contain stratified sands and gravels with lacustrine deposits overlying them. The lacustrine deposits of fine sands, silts, and clays are overlain by approximately 5 to 20 feet of additional sands and gravels.

On the Van Campen valley wall north of Mt. Hope Cemetery, but south of Route 408, there are some surficial kame deposits of course sands and gravels deposited upon till.

Bedrock Geology: Geologic units found in the study area consist of the Upper Devonian Age, Conneaut and Canadaway Groups.

Bedrock is exposed in few locations in the Friendship, New York area due to extensive periods of glaciation, which resulted in the deposition of unconsolidated glacial material over the bedrock surface.

The Conneaut Group is the youngest bedrock unit in the study area, and therefore, is found at the highest elevations underneath unconsolidated glacial sediments. The Conneaut Group consists of alternating sequences of shales, siltstones, and fine grained sandstones. The Conneaut Group has potential to be a groundwater source in this region where thick beds of sandstones are encountered.

Beneath the Conneaut Group lies the Canadaway Group which consists of more sequences of alternating shales, siltstones, and fine grained sandstones. This group has the potential as well to be used as a groundwater source in this region, where thick beds of sandstone are encountered.

Structural Geology: Allegany County, New York is located in the Appalachian Uplands physiographic province. This area consists of moderately to steeply sloping hillsides and deep narrow valleys. The bedrock in this region has a gentle dip to the southwest at approximately 30 to 60 feet per mile.

Occurrence of Groundwater in Glacial Deposits: The sand and gravel deposits located within the Van Campen Creek Valley and it's tributaries are potential sources for groundwater aquifers.

Occurrence of Groundwater in Bedrock: The occurrence of thick accumulations of unconsolidated glacial sediments, which are largely fine grained and have low permeability, result in little infiltration of precipitation and consequently recharge to the bedrock aquifer occurs slowly. Bedrock exposed at the surface or beneath a thin cover of glacial sediment will yield water under water table conditions, however, wells drilled to greater depths in bedrock may yield water under artesian conditions.

3.2 Site Geology and Hydrogeology:

Friendship Foundry is located in the Village of Friendship, which occupies a low flat area that comprises the valley of Van Campen Creek. A small drainage swale/ditch known as Sawyer Creek runs along the eastern side of the Friendship Foundry No. 1 property and flows south into Van Campen Creek. On route to Van Campen Creek, Sawyer Creek feeds a shallow man-made ornamental pond known as the Nicholas Pond. North of Friendship Foundry No. 3, the North Branch of Van Campen Creek flows northeasterly towards Van Campen Creek.

The RI geological and hydrogeological investigations were focussed on the Friendship Foundry No. 1 property since this was the location of the vast majority of the hazardous waste removed by the USEPA IRM. The shallow overburden was investigated by the excavation of test pits . In general, the upper foot of the overburden consisted of dark brown sandy fill. Foundry debris (scrap metal, chunks of hard resin, ash, etc.) were also encountered in the top foot in some test pits. Some of the fill appeared stained. Below the fill a one to two foot layer of clayey silt was encountered over a majority of the site, observed to have areas of perched groundwater. This silt layer was not observed in three test pits located in the center of the main foundry yard (TP-2, TP-3, and TP-8). Based upon these observations, the silt layer is either discontinuous or dips to a lower elevation in these areas. The next unit, beginning about two to four feet below ground surface, is a brown till with sand and gravel. The silt and till layers appear to be undisturbed native material. Test pit locations are shown on Figure 5 and the test pit logs are included in Appendix B.

The overburden investigation was continued to a depth of 44 feet below ground surface (bgs) during the installation of monitoring wells. Split spoon sampling confirmed the presence of approximately two feet of fill covering a majority of the site. Alternating layers of silt, silty clay, sand, silty sand, and sand/silt/gravel lay beneath the fill. This layering continues at least as far as 44 feet bgs; the extent of the drilling program. Soil testing was performed on a sample of the silty clay collected with a Shelby Tube from MW-2 at a depth of 18 to 19.75 feet below ground surface. A sieve analysis determined that the sample contained 0.7% sand, 77.8% silt, and 21.5% clay. The hydraulic conductivity of the sample was 1.2×10^{-6} cm/s as calculated by performing an undisturbed falling head test. A hydraulic conductivity of 1.2×10^{-6} cm/s is typical for silt and glacial till (Groundwater, Freeze and Cherry, 1979) which can act as a semi-permeable confining layer. The sample was visually classified as 'Grey moist SILT, little very fine sand, trace clay laminated with possible fabric other than laminations.'

Monitoring wells were installed with total depths ranging from 16 feet bgs to 44 feet bgs, with each well screened for the bottom ten feet. These wells confirmed the presence of groundwater in the overburden. One well (MW-5) well was very low yielding, containing only 6 inches of water. The remaining five shallow wells and one deep well produced a significant flow rate of groundwater. Monitoring well locations are shown on Figure 7 and the well installation logs are included in Appendix B.

Groundwater elevations are presented in Table 3. Groundwater contours have been inferred using these monitoring points and are shown on Figure 7. From these contours, overburden groundwater appears to generally flow to the south-southeast towards Van Campen Creek. This flow pattern is consistant with the topographical drainage pattern of the area.

TABLE 3 GROUNDWATER ELEVATION DATA				
Well	Measurement Date	Depth of Well	Groundwater Elevation	GW Yield
MW-1	1/9/95	21	86.8	High
MW-2	1/10/95	19	86.2	High
MW-3	1/10/95	19	84.8	High
MW-4	1/10/95	20.35	76.93	Moderate
MW-4D	1/10/95	43.9	73.44	Moderate
MW-5	1/11/95	17.9	74.28	Low
MW-6	1/11/95	16	87.35	Moderate

4.0 BACKGROUND SEARCH/SURVEY OF EXISTING DATA

Before field investigation activities were initiated , a review of available documents related to previous actions at this site was performed. The documents that were reviewed include the NYSDEC project file; the NYSDOH project file; and the USEPA Final Site Inspections Report, Friendship Foundry, Vol. I and II, July 7 1993. In addition to information on the properties comprising the site, the records search identified several other foundry properties used in the past as foundry sand disposal areas. These properties include: Macler Landfill, Reed Hill Dump, and a landfill near the North Branch of Van Campen Creek. These locations are also shown on Figure 1.

The following is a summary of past sampling events associated with the investigation of conditions on the foundry property. Many of the sampling events resulted from complaints to the NYSDEC by residents of Friendship. Additional documentation of these events can be found in Appendix D of this report.

January 21, 1988: NYSDEC and Allegeny County Department of Health personnel sampled Sawyer Creek and analyzed for "phenol, priority pollutants, and heavy metals." Phenol was detected at 12 ppb. It was not noted whether the sample was of sediment or surface water..

May 26, 1988: NYSDEC personnel sampled the capacitor basement sump, drums, stained soil, and an underground storm sewer line near the foundry outfall. The

capacitor basement sump contained 8.3 ppb PCBs in the water and 4,200,000 ppb in sediment. PCBs at a concentration of 2,700 ppb were detected in the underground sewer line. One of the soil samples contained phenol at a concentration of 8,900,000 ppb.

August 3, 1988: NYSDEC personnel sampled Sawyer Creek and the Nicholas Pond, which is fed by Sawyer Creek. Sawyer Creek was analyzed for PCBs and pesticides. No compounds were detected above instrument detection limits. Three sediment samples were collected from the Nicholas Pond and analyzed for PCBs and pesticides. One of the three samples was also analyzed for organics and inorganics. An water sample was collected and analyzed for phenols, formaldehyde, and PCBs. None of the analytes were present above instrument detection limits in any of the pond samples.

October 26, 1988: NYSDEC personnel sampled sediment, a "rubbery" solid layer, and water from the Nicholas Pond and analyzed for PCBs and pesticides. The rubbery solid layer was also analyzed for phenols. No analytes were detected in surface water. PCBs were detected at 1 ppb in sediment and 18 ppb in the rubber solid layer. Also, phenol was detected at 24,000 ppb in the rubbery solid layer.

January 13, 1989: NYSDEC personnel sampled sediment from the capacitor basement sump after it had been reportedly cleaned. PCBs were detected at a concentration of 180,000 ppb.

July 6, 1989: Friendship Foundry personnel sampled the capacitor basement sump, drum material, "dust", and soil. Six samples were collected and analyzed for PCBs, ignitability, and phenols. In addition, the Extraction Procedure (EP) analysis for metals was performed on four of the samples. PCBs were detected at 90,000 ppb from the capacitor basement sump and 11,000 ppb from a drum used in the cleanup of the capacitor basement sump. The EP analysis from a dust sample identified 6,420 ppb phenol.

July 20, 1990: NYSDEC personnel collected and analyzed six samples from drums located on-site. Four samples were ignitable and one contained 2,900,000 ppb PCBs. In addition, dichloroethane (DCA) was detected in one sample at 3,580,000 ppb; trichloroethane (TCA) was detected in three samples at 67,000,000 ppb, 36,000 ppb, and 8,600 ppb; and total xylenes were detected in three samples at 3,600,000 ppb, 4,000,000 ppb, and 420,000 ppb.

November, 1990: The United States Environmental Protection Agency (USEPA) collected two drum, one oil, and two surficial soil samples from the main foundry area prior to the emergency removal action. Samples were analyzed for VOCs, SVOCs, and pesticides. The oil sample contained 44,000 ppb toluene, 52,000 ppb

ethyl benzene, and 990,000 ppb total xylenes. Drum samples contain total xylenes at 32,000 ppb and 47,000, and phenol at 35,000,000 ppb. In one soil sample: acetone was detected at 1,200 ppb, fluoranthene was detected at 82,000 ppb, pyrene was detected at 73,000, beta-BHC was detected at 1,200 ppb, and 4,4-DDT was detected at 2,200 ppb. No contaminants were detected in the other soil sample.

March 28, 1995: The Allegany County Department of Public Works (DPW) dug four test pits around Friendship Foundry No. 2 and collected samples. Samples were analyzed for metals, VOCs, SVOCs, and PCBs. None of the analytes were detected above NYSDEC's DHWR TAGM 4030 soil cleanup objectives.

Based on the background information, NYSDEC determined that the primary focus of the remedial investigation should be the Friendship Foundry No. 1 property. Visual observations and known histories of Friendship Foundry No. 2 and No. 3 indicate that hazardous waste generation and improper hazardous waste disposal were not likely to have occured at these two locations. An in depth investigation of Friendship Foundry No 2 and No. 3 was therefore not warranted.

5.0 SOIL GAS SURVEY

It was known that Friendship Foundry used the solvents trichloroethane (TCA) and dichloroethane (DCA) in cleaning operations and, since no records could be found demonstrating proper disposal of spent solvents, on-site disposal was a possibility. In addition, the abandoned drums of chemicals removed by the USEPA were missing bungs and generally in a poor condition. Because of the large area that needed to be investigated, a soil gas survey was undertaken to attempt to locate possible areas of past spills or disposal. The soil gas survey results were then used to direct the soil sampling program, test pit program, and groundwater investigation.

Soil gas sample collection was attempted at 45 locations (see Figure 3) at Friendship Foundry No. 1 on November 29-30, 1994. Due to recent rain, some areas of the site were inundated and could not be sampled. In total, 30 soil gas samples and one soil sample were collected and analyzed.

Sample locations were selected throughout the site with preference given to known or suspected drum storage areas. Soil vapor was collected from a depth of two to five feet below ground surface, based on field conditions. Soil vapor was collected through driven 7/8" OD hardened steel rods. When the rod was in place, clay was placed around the rod to prevent movement of atmospheric air into the sample. A pump was connected to the rod and the system was purged for two minutes at a flow of 2.0 liters per minute (or equivalent mass at lower flowrates). After purging, a 5.0 mL gas tight syringe was used to collect a sample. Samples were immediately taken to and analyzed by an onsite mobile laboratory. Samples were analyzed using a modification of EPA Methods 8010/8020. The target compounds are identified on Table 4.

TABLE 4 Soil Gas Survey Target Compound List
Benzene
Toluene
Ethylbenzene
Chlorobenzene
o-xylene, p-xylene, and m-xylene
Vinyl Chloride
1,1-Dichloroethene
Methylene Chloride
t-1,1-Dichloroethene
1,1-Dichloroethane
c-1,2-Dichloroethene
1,1,1-Trichloroethane
Carbon Tetrachloride
1,2-Dichloroethane
Trichloroethene
Tetrachloroethene

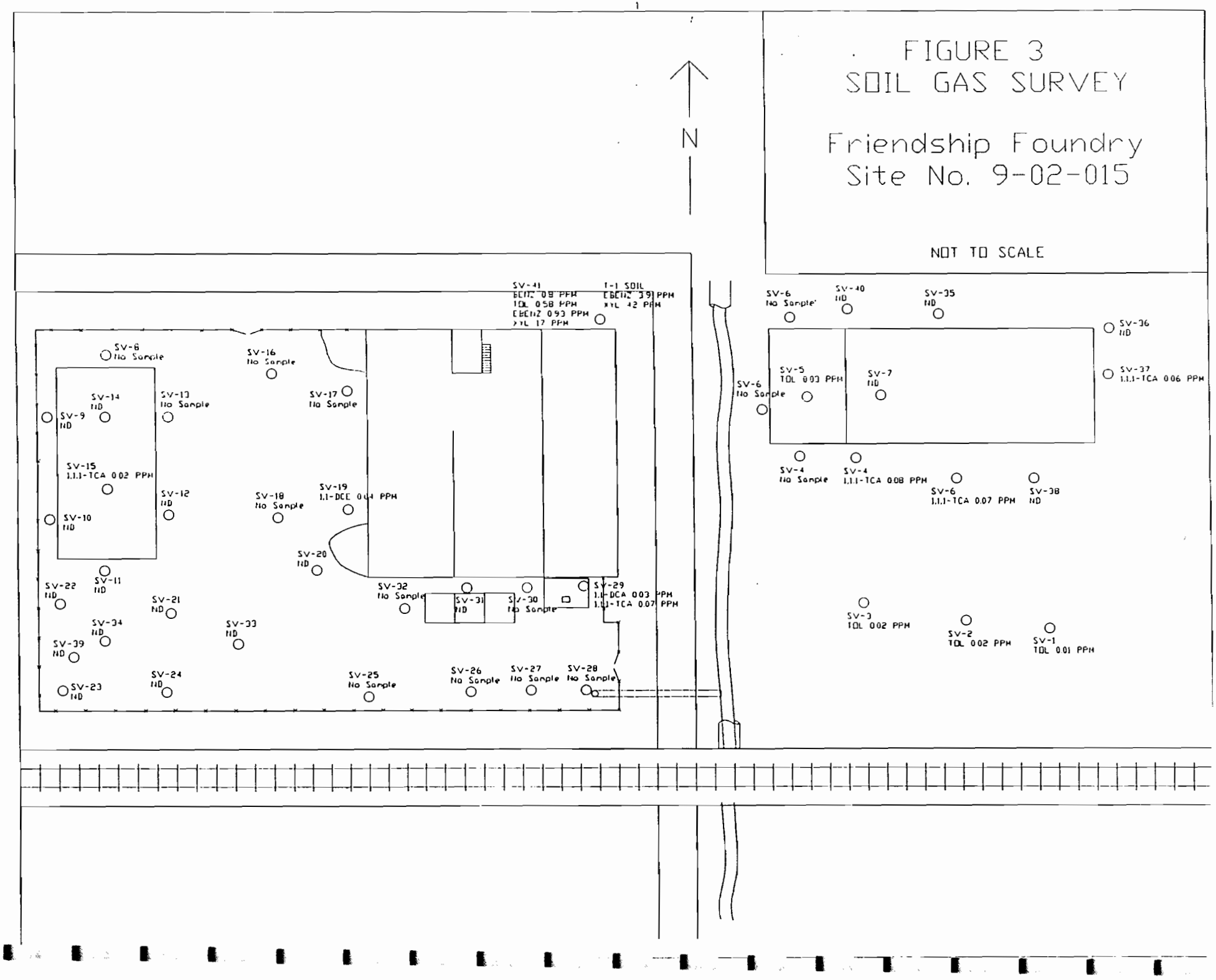
The solvents toluene, 1,1,1-TCA, 1,1-DCE, and 1,1-DCA were detected in concentrations ranging from 10 ppb to 80 ppb in ten of the thirty samples. Eight of the samples identified with levels of solvents were in areas of known chemical storage (one through the drum storage pad in the main foundry yard and seven spaced around the drum storage building). One sample containing solvents was located near the decontamination pad used during the USEPA emergency response. Another sample with detected solvents was located near the main foundry building by a pile of foundry sand. Two samples were analyzed from near an underground storage tank standpipe (one soil gas, one soil). The soil had a very distinct petroleum odor and xylene was detected at concentrations as high as 42 ppm. Also detected were benzene, toluene, and ethyl benzene. See Figure 2 for sample locations and concentrations.

DCE, DCA, and TCE were detected at relatively low concentrations. The number and extent of the detections do not, however, suggest the presence of a source area. A pattern of toluene contamination was identified south of the drum storage building. Further investigation of this area occurred during the test pit investigation. Contamination found near the underground storage tank standpipe indicates the possible presence of a petroleum spill. This has been referred to the NYSDEC Region 9 office, Division of Spills Management, for appropriate action.

FIGURE 3
SOIL GAS SURVEY

Friendship Foundry
Site No. 9-02-015

NOT TO SCALE



6.0 WASTE AND SURFACE SOIL SAMPLING

To characterize surface soil and foundry waste, samples were collected and analyzed by the Toxicity Characteristic Leaching Procedure (TCLP). The TCLP analysis measures, under laboratory conditions, the amount of a contaminant that could potentially leach out of the sample and into the natural environment. Based on the concentration of contaminants detected in the TCLP leachate, 6NYCCR Part 371 defines levels at which the material may be classified as a characteristic hazardous waste. The classes of compounds analyzed for using this method were: volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), pesticides, herbicides, and metals. In addition, some of the samples collected were also analyzed by NYSDEC Analytical Services Protocol 12/91 (ASP) for the Target Compound List (procedure henceforth referred to as 'ASP') for VOCs, SVOCs, metals, and PCBs/pesticides. The ASP analysis measures the actual concentration of compounds present in a sample. By using the ASP and TCLP, a correlation can be made between the amount of contaminants that could potentially leach and the actual amount of contaminants in the sample.

The following is a description of the type of wastes sampled, why each sample was collected, and any observations noted during sample collection.

DECON-1: Adjacent to the main foundry building is a concrete pad with a sump. This pad was used by the USEPA as a decontamination pad during their removal action. During a site walkover, a petroleum-like sheen was observed on the surface of the sump so a sediment and water sample were collected. The sediment had a strong petroleum odor and high organic content (leaves, etc.).

DECON-2: This is an aqueous sample collected in conjunction with DECON-1. The sample had a petroleum odor and sheen on the surface.

FSAND-1: Sand was mixed with resins to form molds used in the casting of iron at the foundry. When molds were no longer useful, they were broken up and became waste foundry sand. Foundry sand is not a listed hazardous waste and is not typically a characteristic hazardous waste. However, in some cases foundry sand may contain high levels of heavy metals which could result in it being a characteristic hazardous waste. Resins used to bind the sand are often phenolic based and, although not a hazardous waste, are considered a hazardous substance. Piles of the waste foundry sand are scattered throughout the main plant yard. To determine if the sand is a characteristic hazardous waste, an analysis by the TCLP was performed on this sample collected from the sand piles.

FLOOR-1: The main plant building has a dirt floor. To evaluate whether foundry activities resulted in contamination of this soil, a composite sample was collected from several locations on the foundry plant floor.

FLOOR-2: A sample similar to FLOOR-1 was collected from a different area in the main plant building.

BDUST-1: Foundry activities created air emissions that required controls. The air emissions control device used at Friendship Foundry was a baghouse filter. A baghouse contains a series of filter bags that collect particulates, thereby preventing their escape to the environment. The collected particulates become a waste known as cupola dust or baghouse dust. Baghouse dust generated during foundry activities is not a listed hazardous waste. In some cases, high heavy metal content may result in baghouse dust being classified as a characteristic hazardous waste. Samples were collected to determine if the baghouse dust is a hazardous waste. This sample was collected from piles that exist under the baghouses in the main foundry yard.

BDUST-2: Baghouse dust from the main foundry yard was sampled.

FSAND-2: Foundry sand from the main foundry yard was sampled.

DRUM-1: A local resident identified partially buried drums on the bank of the North Branch of Van Campen Creek. These drums contained obvious foundry wastes such as iron slag, foundry sand, etc. Since these drums were in close proximity to FF#3, samples were collected for analysis.

SOIL-1: A local resident claimed that a tree located adjacent to a vent from the FF#3 building used to have orange stained bark. Visual observations did not reveal any evidence of stained bark. However, a soil sample was collected with a hand auger at one foot below ground surface. The sample was reddish black in color.

SUMP-1: High levels of PCBs were historically present in sediment from the capacitor basement sump. To determine whether the sump was still contaminated, collection of water and sediment samples was attempted. When samples were collected, the basement was flooded, making the sump inaccessible. Since there was no sediment on the basement floor, only an aqueous sample was collected and analyzed.

SUMP-2: PCBs were detected in sample SUMP-1 (see above) at 73 ppb. PCBs in water flooding the basement suggest that a source area may exist in the basement. To further investigate the sump, NYSDEC decided to dewater the basement and collect capacitor sump sediment samples. During a reconnaissance site visit prior to dewatering the basement, a ⅛ inch thick layer of floating petroleum product was observed covering the flooded basement. Sample SUMP-2 was collected from the floating petroleum product.

SUMP-3: This is an aqueous sample collected in conjunction with SUMP-2.

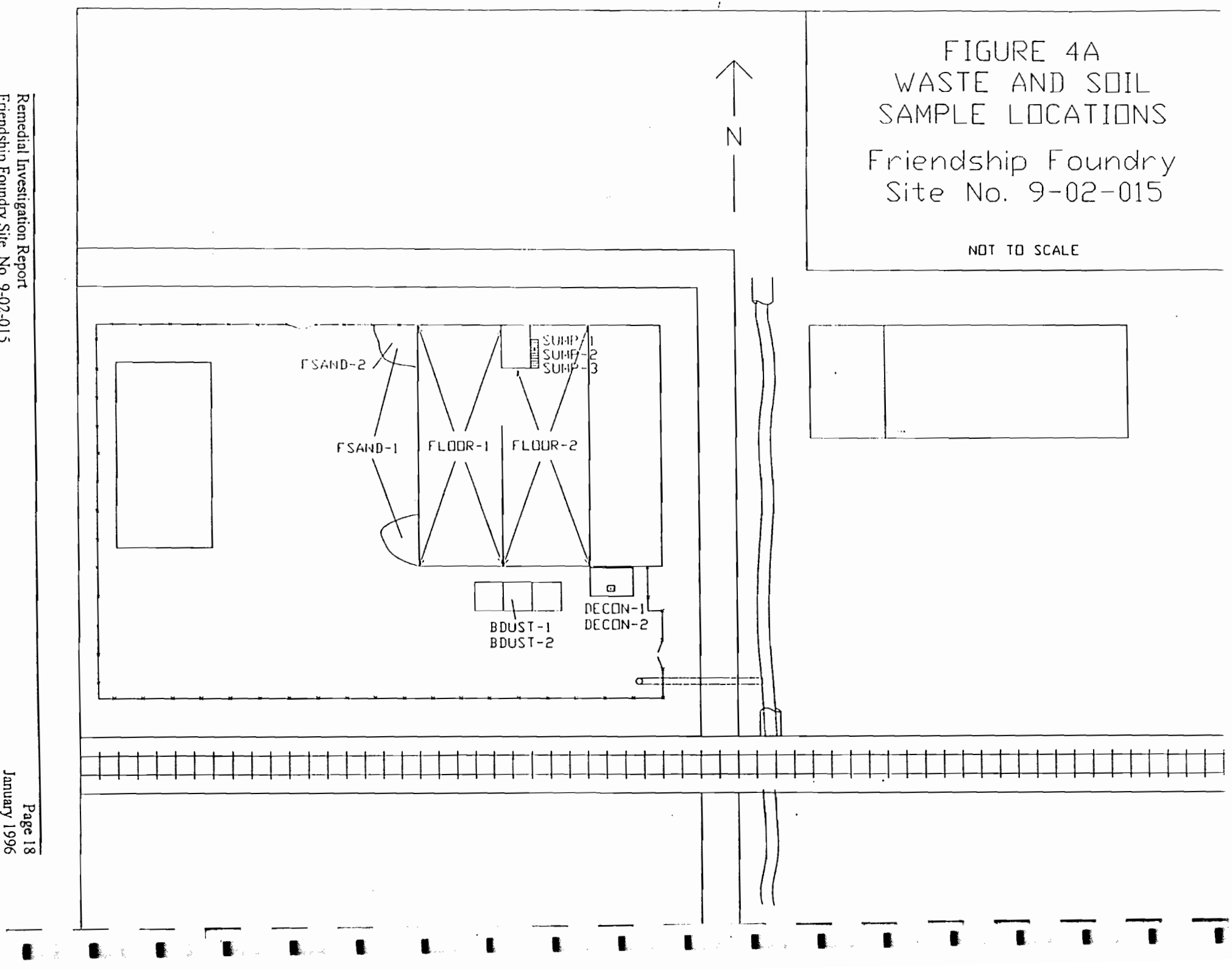
TABLE 5
SURFACE SOIL AND WASTE SAMPLING RESULTS

SAMPLE	MATRIX	ANALYSIS	COMPOUND CLASS DETECTED BELOW SCG'S	ANALYTES DETECTED OVER SCG'S (SCG Level)
DECON-1	Waste	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides/PCB, metals	Total Xylenes: 11,400 ppb (1,000) Naphthalene: 73,000 ppb (13,000)
FSAND-1	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals	Metals	None
FSAND-2	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: VOC, SVOC, pesticides/PCB, metals	TCLP: metals ASP: VOC, SVOC, pesticides, metals	TCCP: None ASP: Phenol: 170 ppb (30) Arsenic: 8,700 ppb (7,500) Cadmium: 4,500 ppb (1,000) Chromium: 78,900 ppb (10,000) Copper: 347,000 ppb (25,000) Lead: 844,000 ppb (500,000) Nickel: 90,800 ppb (25,000) Zinc: 1,150,000 ppb (20,000)
FLOOR-1	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: metals	None
FLOOR-2	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: VOC, SVOC, pesticides, herbicides, metals	None
BDUST-1	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: VOC, SVOC, metals	None
BDUST-2	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: VOC, SVOC, pesticides/PCB, metals	TCLP:, metals ASP: VOC, SVOC, pesticides, metals	TCLP: None ASP: Phenol: 4,000 ppb (30) 2-Methyl phenol: 270 ppb (100) Arsenic: 20,000 ppb (12,000) Cadmium: 12,200 ppb (1,000) Chromium: 276,000 ppb (40,000) Copper: 444,000 ppb (50,000) Lead: 4,320,000 ppb (500,000) Magnesium: 18,600,000 ppb (5,000,000) Nickel: 322,000 ppb (25,000) Zinc: 766,000 ppb (20,000)
DRUM-1	Waste	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: VOC, SVOC, pesticides/PCB, metals	TCLP: metals ASP: VOC, SVOC, metals	TCLP: None ASP: Chromium: 22,000 ppb (10,000) Copper: 27,500 ppb (25,000)
SOIL-1	Soil	ASP: SVOC, metals	ASP: SVOC, metals	Arsenic: 10,100 ppb (7,500) Chromium: 22,200 ppb (10,000) Mercury: 430 ppb (100)

FIGURE 4A
WASTE AND SOIL SAMPLE LOCATIONS

Friendship Foundry
Site No. 9-02-015

NOT TO SCALE



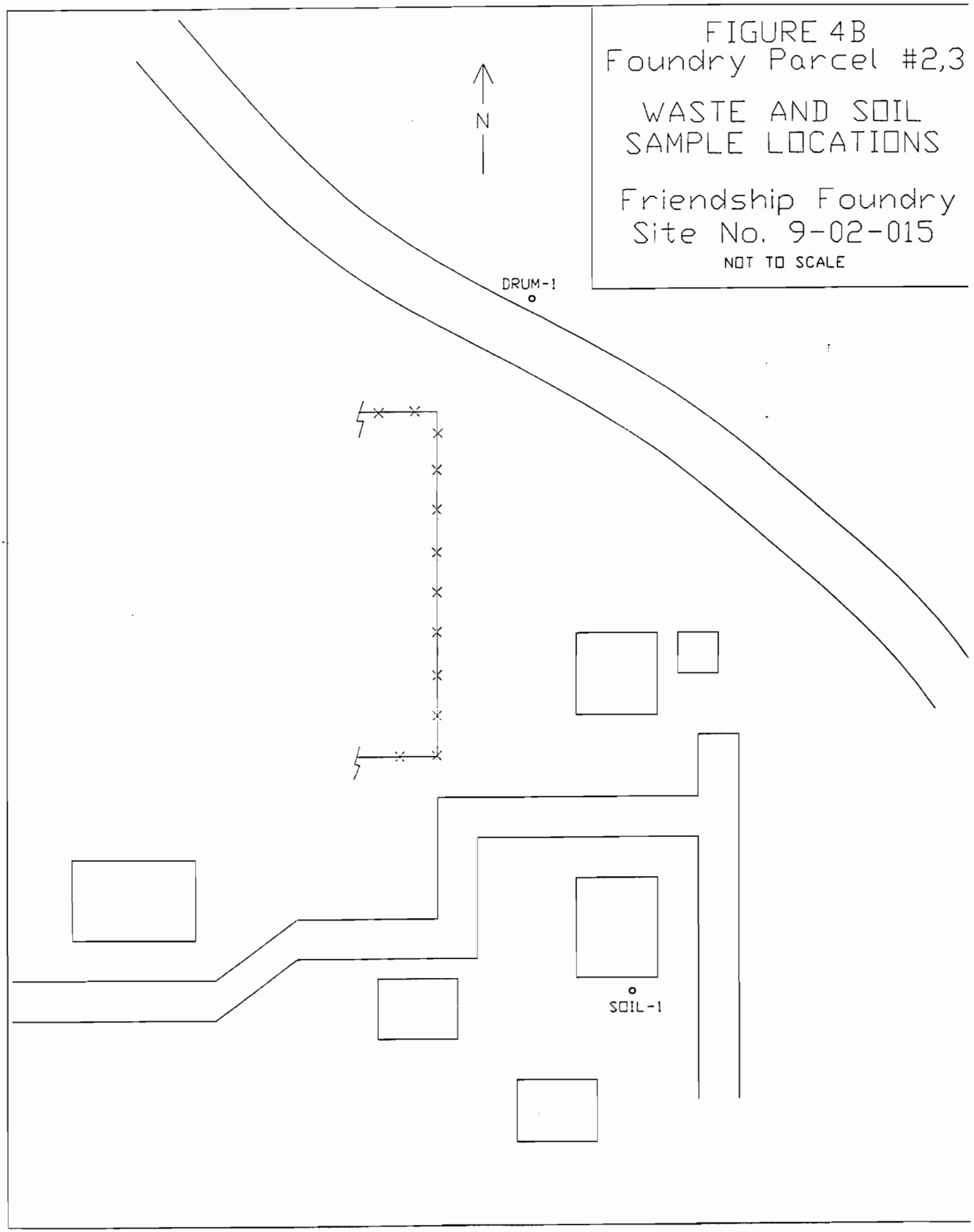


FIGURE 4B
Foundry Parcel #2,3
WASTE AND SOIL
SAMPLE LOCATIONS
Friendship Foundry
Site No. 9-02-015
NOT TO SCALE
N
DRUM-1
SOIL-1

Table 5 summarize the results of the soil and waste sampling. Appendix A includes the detailed presentation of the sampling results.

7.0 TEST PIT INVESTIGATION

The purpose of the test pit investigation was to characterize shallow sub-surface geology, observe and sample subsurface soil, and to search for possible buried objects. Test pits were excavated in the main foundry yard and in the field adjacent to the drum storage building (see Figure 5). Test pit locations were based in part on the results of the soil gas survey and existing features at the site. Test pits were excavated to a depth of five to ten feet below ground surface using a backhoe. Field activities occurred from December 6, 1994 to December 7, 1994. The summary description of the overburden is presented in Section 3.2, Site Geology and Hydrogeology, and is based in part on the descriptions of the shallow overburden from this investigation.

Samples were collected from the test pits based on field observations. The following is a summary and description of the samples collected:

TP4-1: This sample was collected from test pit TP4. A gray to white colored ash-like material was encountered at a depth of approximately one foot below ground surface.

TP5-1: This sample was collected from test pit TP5. A black stained fill material consisting of sand, gravel, and foundry waste existed to a depth of four feet.

TP7-1: This sample was collected from test pit TP7. A black colored sandy fill material was collected from just above the silt layer (approx. one foot bgs).

TP7-2: This sample was collected from test pit TP7. A purple hard resin was encountered at a depth of one foot below ground surface and sampled.

TP8-1: This sample was collected from test pit TP8. A sample was collected from black stained soil at a depth of one foot below ground surface.

TP12-1: This sample was collected from test pit TP12. A sample was collected from black stained soil at a depth of one foot below ground surface.

Table 6 summarizes the analyticval results from the test pit investigation sampling. Appendix A includes the detailed presentation of the sampling results and Appendix B includes the test pit logs.

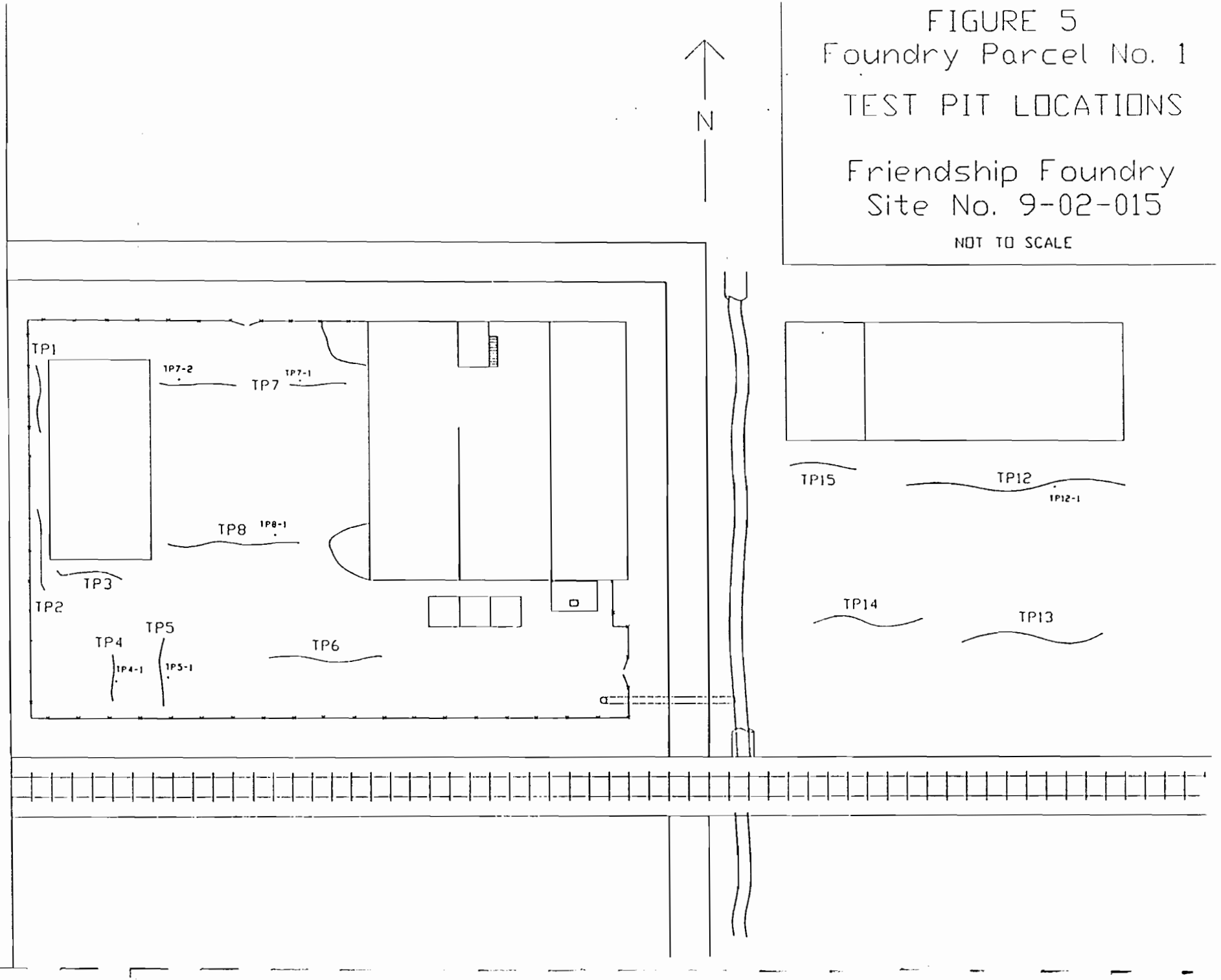
TABLE 6
TEST PIT INVESTIGATION SAMPLE RESULTS

SAMPLE	MATRIX	ANALYSIS	COMPOUND CLASS DETECTED BELOW SCG'S	ANALYTES DETECTED OVER SCG'S
TP4-1	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: VOC, metals	None
TP5-1	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: VOC, SVOC, pesticides/PCB, metals	TCLP: metals ASP: metals	TCLP: None ASP: Arsenic: 7,900 ppb (7,500) Chromium: 10,900 ppb (10,000) Copper: 25,300 ppb (25,000) Zinc: 85,600 ppb (20,000) Mercury: 210 ppb (100)
TP7-1	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: VOC, SVOC, pesticides/PCB, metals	TCLP: SVOC, metals ASP: VOC, SVOC, pesticides, metals	TCLP: None ASP: Phenol: 240 ppb (30) Dibenzo(a,h)anthracene: 330 ppb (14) Arsenic: 8,700 ppb (7,500) Cadmium: 1,200 ppb (1,000) Chromium: 29,500 ppb (10,000) Copper: 32,500 ppb (25,000) Zinc: 126,000 ppb (20,000)
TP7-2	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: metals	None
TP8-1	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals	TCLP: metals	None
TP12-1	Soil	TCLP: VOC, SVOC, pesticides, herbicides, metals ASP: metals	TCLP: metals ASP: metals	TCLP: None ASP: Arsenic: 14,200 ppb (12,000) Cadmium: 1,600 ppb (1,000) Chromium: 23,400 ppb (10,000) Copper: 58,600 ppb (50,000) Mercury: 440 ppb (200) Zinc: 787,000 ppb (20,000)

FIGURE 5
Foundry Parcel No. 1
TEST PIT LOCATIONS

Friendship Foundry
Site No. 9-02-015

NOT TO SCALE



8.0 SURFACE WATER AND SEDIMENT SAMPLING

The following samples were collected to assess any impact on surface water bodies by the site.

SCREEK-1: Sawyer Creek flows in a drainage ditch that runs along the western side of Howard Street, between the main foundry yard and the drum storage building. A drainage pipe, which has been cleaned, formally ran from the capacitor basement to the creek. Samples collected from the creek in the past have not shown sediment or surface water contamination. However, because of the past high concentrations of PCBs in the capacitor basement sump, sediment samples upstream and downstream of the discharge pipe were collected and analyzed. This is the upstream sample collected.

SCREEK-2: This is the downstream sample collected from Sawyer Creek.

VCCREEK-1: Partially buried drums were discovered along the north bank of the North Branch of Van Campen Creek. Since the contents of the drums were unknown, sediment and surface water samples were collected from the creek upstream and downstream of the drum location. This sediment sample was collected upstream.

VCCREEK-2: This sample is the upstream surface water sample collected in the North Branch of Van Campen Creek.

VCCREEK-3: This sample is the downstream sediment sample collected in the North Branch of Van Campen Creek.

VCCREEK-4: This sample is the downstream surface water sample collected in the North Branch of Van Campen Creek.

Table 7 summarizes the results of the surface water and sediment sampling. Appendix A includes the detailed presentation of the sampling results.

TABLE 7
SURFACE WATER AND SEDIMENT SAMPLE RESULTS

SAMPLE	MATRIX	ANALYSIS	COMPOUND CLASS DETECTED BELOW SCG'S	ANALYTES DETECTED OVER SCG'S
DECON-2	Aqueous	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides/PCB, metals	Phenol: 530 ppb (5)
SUMP-1	Aqueous	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides/PCB, metals	Phenol: 570 ppb (5) PCB/Aroclor-1248: 73 ppb (0.1)
SUMP-2	Waste	8080 PCBs	None	PCBs: 340,000 ppb (NA)
SUMP-3	Aqueous	8080 PCBs	None	PCBs: 260 ppb (0.1)
SCREEK-1	Sediment	ASP: pesticides/PCB	ASP: pesticides/PCB	None
SCREEK-2	Sediment	ASP: pesticides/PCB	ASP: pesticides/PCB	PCBs: 61 ppb (42)*
VCCREEK-1	Sediment	ASP: SVOC, metals	ASP: SVOC, metals	Benzo(a)pyrene: 160 ppb (130) Lead: 42,600 ppb (Low:31,000) Manganese: 721,000 ppb (Low: 460,000) Nickel: 24,100 ppb (Low: 16,000)
VCCREEK-2	Aqueous	ASP: SVOC, metals	ASP: SVOC, metals	None
VCCREEK-3	Sediment	ASP: SVOC, metals	ASP: SVOC, metals	None
VCCREEK-4	Aqueous	ASP: SVOC, metals	ASP: SVOC, metals	None

* An organic carbon content of 3% was assumed based on visual observation of the stream sediment.

FIGURE 6A
Foundry Parcel No. 1
SURF. WATER AND
SEDIMENT SAMPLES
Friendship Foundry
Site No. 9-02-015
NOT TO SCALE

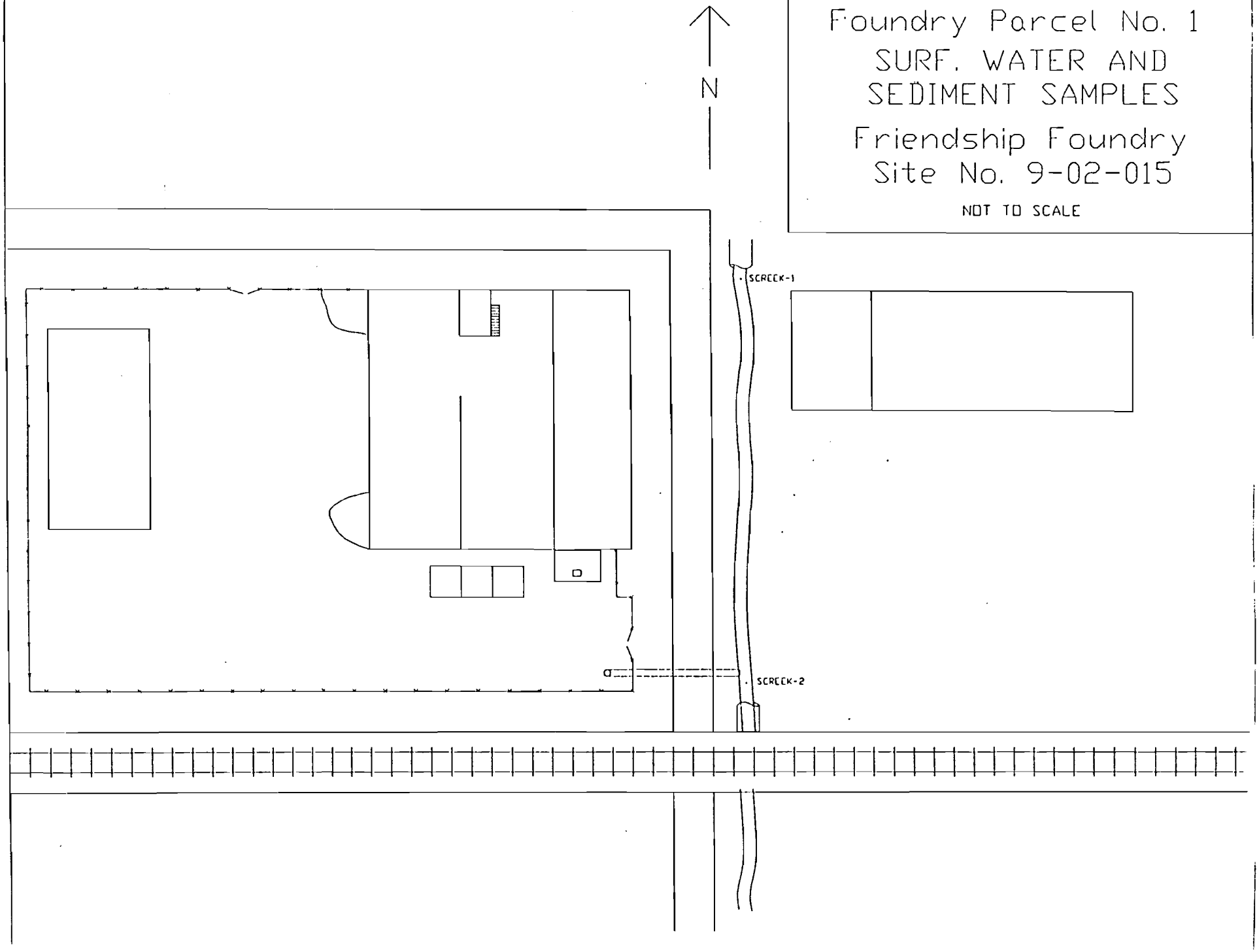


TABLE 7
SURFACE WATER AND SEDIMENT SAMPLE RESULTS

SAMPLE	MATRIX	ANALYSIS	COMPOUND CLASS DETECTED BELOW SCG'S	ANALYTES DETECTED OVER SCG'S
DECON-2	Aqueous	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides/PCB, metals	Phenol: 530 ppb (5)
SUMP-1	Aqueous	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides/PCB, metals	Phenol: 570 ppb (5) PCB/Aroclor-1248: 73 ppb (0.1)
SUMP-2	Waste	8080 PCBs	None	PCBs: 340,000 ppb (NA)
SUMP-3	Aqueous	8080 PCBs	None	PCBs: 260 ppb (0.1)
SCREEK-1	Sediment	ASP: pesticides/PCB	ASP: pesticides/PCB	None
SCREEK-2	Sediment	ASP: pesticides/PCB	ASP: pesticides/PCB	PCBs: 61 ppb (42)*
VCCREEK-1	Sediment	ASP: SVOC, metals	ASP: SVOC, metals	Benzo(a)pyrene: 160 ppb (39)* Benzo(a)anthracene: 270 (39)* Benzo(b)flouranthene: 170 (39)* Benzo(k)flouranthene: 190 (39)* Chrysene: 250 (39)* Arsenic: 11,100 (Low 6000) Lead: 42,600 ppb (Low 31,000) Manganese: 721,000 ppb (Low 460,000) Nickel: 24,100 ppb (Low 16,000)
VCCREEK-2	Aqueous	ASP: SVOC, metals	ASP: SVOC, metals	None
VCCREEK-3	Sediment	ASP: SVOC, metals	ASP: SVOC, metals	Benzo(a)pyrene: 90 ppb (39)* Benzo(a)anthracene: 160 (39)* Benzo(b)flouranthene: 98 (39)* Benzo(k)flouranthene: 100 (39)* Chrysene: 170 (39)* Arsenic: 17,800 (Low 6000) Lead: 42,600 ppb (Low:31,000) Manganese: 721,000 ppb (Low: 460,000) Nickel: 24,100 ppb (Low: 16,000)
VCCREEK-4	Aqueous	ASP: SVOC, metals	ASP: SVOC, metals	None

* An organic carbon content of 3% was assumed based on visual observation of the stream sediment.

9.0 GROUNDWATER INVESTIGATION

Seven monitoring wells were installed during the remedial investigation. Six wells were installed to a depth of approximately 20 feet and one was installed adjacent to a shallow well to a depth of 44 feet. Split spoons were driven in advance of the augers continuously to investigate the local geology. The results of the geology/hydrogeology investigation are presented in Section 3.2, Site Geology and Hydrogeology.

Once the well installation was complete, the wells were developed by surging the well and removing the groundwater by either pumping or bailing, until the turbidity was below 50 NTU's. During the development, turbidity, pH and conductivity were monitored. After being developed, either three well volumes of groundwater were removed or the wells were bailed dry before samples were collected. Samples were collected with a dedicated disposable bailer for each well. All samples were analyzed by the ASP for VOCs, SVOCs, PCB/pesticides, and metals. The following is a description of the physical characteristics of each sample and the results of the analysis:

MW1: This sample was collected from monitoring well MW-1. The sample was slightly turbid (45.8 NTU's) and had no odor.

MW-2 This sample was collected from monitoring well MW-2. The sample was very slightly turbid (4.2 NTU's) and had no odor.

MW-3 This sample was collected from monitoring well MW-3. The sample was very slightly turbid (1.3 NTU's) and had no odor.

MW-4 This sample was collected from monitoring well MW-4. The sample was slightly turbid (reading not noted) and had no odor.

MW-4D This sample was collected from monitoring well MW-4D. The sample was slightly turbid (65.0 NTU's) and had no odor.

MW-6 This sample was collected from monitoring well MW-6. The sample was very slightly turbid (14 NTU's) and had no odor.

Table 8 summarize the results of the groundwater sampling. Appendix A includes the detailed presentation of the sampling results.

TABLE 8
GROUNDWATER SAMPLING RESULTS

SAMPLE	MATRIX	ANALYSIS	COMPOUND CLASS DETECTED BELOW SCG'S	ANALYTES DETECTED OVER SCG'S
MW-1	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: SVOC, metals	Manganese: 5,280 ppb (300) Iron: 1,870 ppb (300) Sodium: 20,800 ppb (20,000)
MW-2	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, metals	Sodium: 46,600 ppb (20,000)
MW-3	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, metals	Manganese: 3,090 ppb (300) Iron: 2,500 ppb (300) Sodium: 24,000 ppb (20,000)
MW-4	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides, metals	Manganese: 520 ppb (300) Iron: 3,160 ppb (300)
MW-4D	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, pesticides, metals	Manganese: 5,280 ppb (300) Iron: 1,870 ppb (300) Sodium: 20,800 ppb (20,000)
MW-6	Groundwater	ASP: VOC, SVOC, pesticides/PCB, metals	ASP: VOC, SVOC, metals	1,1-DCA: 25 ppb (5) 1,1,1-TCA: 12 ppb (5) Manganese: 6,200 ppb (300) Iron: 2,490 ppb (300) Sodium: 47,500 ppb (20,000)

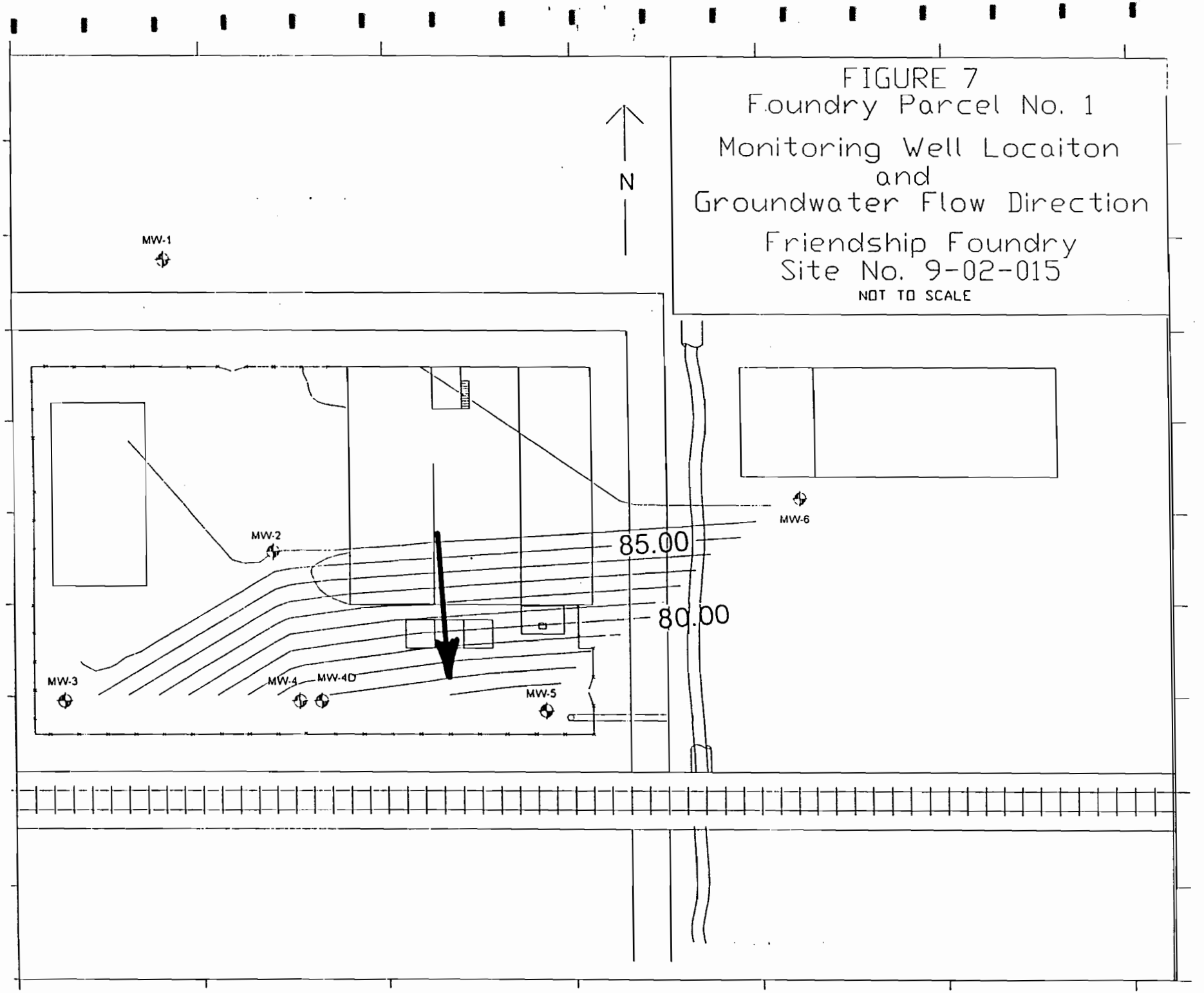


FIGURE 7
Foundry Parcel No. 1
Monitoring Well Locaiton
and
Groundwater Flow Direction
Friendship Foundry
Site No. 9-02-015
NOT TO SCALE
N
MW-1
MW-2
MW-3
MW-4
MW-4D
MW-5
MW-6
85.00
80.00

10.0 INTERIM REMEDIAL MEASURES

10.1 USEPA IRM Removal:

This IRM is discussed in detail in Section 2.2 Site History. During this IRM, USEPA removed a large variety and quantity of hazardous waste as detailed in Table 2.

10.2 NYSDEC Capacitor Sump IRM:

Prior to 1988, an explosion in the capacitor basement at Friendship Foundry No. 1 caused a release of oil containing polychlorinated biphenyls (PCBs). It was reported that capacitors containing PCB oils were removed and disposed of properly, however there is no documentation of the capacitor basement and basement sump being cleaned by Friendship Foundry immediately following the explosion. On May 26, 1988 when NYSDEC personnel sampled sediment and water from the sump, 4,200,000 ppb and 8.3 ppb of PCBs were detected in the sediment and surface water respectively. The sump was then reportedly cleaned by Friendship Foundry and was resampled by the NYSDEC on January 13, 1989. Although only a minimal amount of sediment was present in the capacitor basement sump, a sufficient quantity was available for sampling. The analysis of this sample revealed 180,000 ppb of PCBs remaining in the sump sediment. There are no records of whether the capacitor basement sump was cleaned subsequent to the January 13, 1989 sampling.

To determine if proper cleanup of the sump was conducted, since the January 1989 sampling, this area was targeted for sampling during the RI. Since the basement was flooded and the sump was inaccessible, a water sample was all that could be initially collected. Water collected from the capacitor basement contained PCBs at a concentration of 73 ppb. Although this PCB level is not very high, their presence in water suggests that a source with elevated levels of PCBs could still remain in the capacitor basement sump.

To further investigate the sump, NYSDEC decided to dewater the basement and collect additional samples from the sump. During a site reconnaissance visit prior to pumping out the basement, a 1/8 inch thick layer of floating petroleum-like product was observed covering the water in the flooded basement. Samples of the floating product and the basement water were collected for analysis. Sample results showed PCB concentrations of 340,000 ppb and 260 ppb in the product and water respectively.

Based on these sample results, NYSDEC initiated an IRM to dewater and decontaminate the capacitor sump. A contractor has been mobilized to perform the activities listed below and the IRM will be completed in the Spring of 1996.

1) Dewater the basement, pumping water through a carbon filter. If confirmatory samples show that the water has been properly treated, it will be discharged.

2) The basement will be cleaned and sampled. If confirmatory samples show that the sump and basement were properly cleaned and all PCBs have been removed, the IRM will be complete.

Samples of sediment collected from the USEPA decontamination pad sump exceeded DHWR guidance values for xylenes and naphthalene, and water samples collected from the sump exceeded DOW criteria for phenol. Since these contaminants are likely remnants of the USEPA removal IRM, this sump will also be cleaned out as part of the capacitor sump IRM.

11.0 SUMMARY AND CONCLUSIONS OF THE REMEDIAL INVESTIGATION

The primary goals of the remedial investigation at the Friendship Foundary site were; to determine whether hazardous wastes remained on the Friendship Foundry site, and if present, to delineate the nature and extent of hazardous waste contamination . Three properties comprising the Friendship Foundry site have been sampled in the past and this sampling was augmented by the soil gas survey, test pit program, sampling program, and groundwater investigation of this RI. Based upon the findings of these investigations, two interim remedial measures (IRMs) will have been performed to address hazardous wastes that were identified. The first IRM, an emergency response drum removal was completed by the USEPA, and the second; removal of contaminated sediment from the capacitor basement sump will be completed by the NYSDEC by the Spring of 1996. These IRMs were undertaken to address discrete areas of hazardous waste disposal idemtifed at the site. The RI determined that the IRMs will have removed the hazardous wastes that were disposed at the site. Sections 11.1 and 11.2 discuss the basis for this determination.

11.1 Friendship Foundry No. 1:

11.1.1 Soil and Waste Investigation:

As a result of widespread evidence of the disposal of waste foundry sand, castings and metal slag on many areas at the site, the possibility of subsurface disposal of hazardous waste and the subsequent impact on groundwater, was a major focus of this investigation. The results of the soil gas survey, test pit investigation and sampling, did not identify the presence of any buried drums or other indication of subsurface disposal or migration of hazardous waste at the Friendship Foundary No. 1 parcel.

The analysis of foundry sand and baghouse dust, the predominate waste materials in the fill and also present in and around the buildings at the site, identified the presence of phenol, arsenic, cadmium, chromium, copper, lead, magnesium, nickel, zinc, and some Polynuclear Aromatic Hydrocarbons (PAH's), above the NYSDEC guidance values for protection of groundwater. The TCLP analytical results for these compounds, however, showed that while constituents of the waste material, the contaminants were not likely to leach out of their present matrix. Furthermore the levels of metals and the PAH's did not exceed the regulatory

criteria which would result in these solid wastes being considered characteristic hazardous waste. Since the foundry sand and baghouse dust are not listed or characteristic hazardous waste, no further action to address this material under the inactive hazardous waste remedial program is warranted. The presence of elevated levels of heavy metals, in particular, lead in excess of 500 ppm does represent a possible exposure risk for tresspassers to the site and will need to be addressed should redevelopment of the site be proposed in the future.

Two other areas of concern at the site, and the focus of past sampling, were the former locations of the abandoned drums and the capacitor basement sump. While the drums exhibited high concentrations of hazardous waste, they have been removed from the site and are no longer a direct concern. However, until this RI, no assessement had been made of possible environmental contamination resulting from the presence at the site of these hazardous waste materials. Based upon the findings of the RI, no significant impacts to soils at the site were identified which are related to the hazardous wastes identified in the drums, etc. which were removed by the IRM.

High concentrations of PCBs in sediment from the capacitor basement sump have been detected in the past. An IRM being conducted based on the RI site activities will dewater and clean the sump. Contaminated water and oil will be removed via a tanker truck and disposed of at a hazardous waste facility. Confirmatory samples will demonstrate successful decontamination of the basement sump. Since the sump is being remediated, it will no longer pose a threat to human health and the environment and, therefore, requires no further action.

During the course of the RI, one underground storage tank (UST), beleived to have been the fuel oil storage tank for the facility, was discovered at Friendship Foundry No. 1. The soil surrounding the fill port had a strong petroleum odor and xylenes, benzene, toluene, and ethyl benzene were also detected in a soil sample and soil gas collected near the tank. These constituents are indicative of petroleum contamination. This petroleum contamination is considered non-hazardous and spills or leakage from USTs are typically the responsibility of the NYSDEC Spills Management Program. The NYSDEC Division of Spills Management has been advised of the presence of the UST and will be investigating the tank for appropriate action.

11.1.2 Groundwater Investigation:

Groundwater samples from the seven monitoring wells installed during the RI consistently showed levels of manganese, nickel, iron, and sodium which, while slightly exceeding the NYS groundwater standards, are considered to represent background concentrations for these metals and are not attributable to the site. With the exception of one groundwater sample collected from MW-6, located near the former drum storage building, the remaining wells on the site did not exhibit any volitile or semivolitle organic contamination, nor were

PCBs detected. The contaminants identified in MW-6 consisted of low concentrations of the volitile compounds 1,1-DCA and 1,1,1-TCA at 25ppb and 12 ppb, respectively. The groundwater standard for each compound is 5 ppb. The soil gas program and test pit program did not identify a continuing source in the area for this volatile contamaintion. Given the proximity of this well to the former drum storage building, this contamination is likely an artifact of past drum storage and handling.

Although levels exceed the groundwater standard, which is based on consumption of groundwater, there are no nearby groundwater users and thus no human exposure pathway exists. In addition, the low concentration and limited extent of this contamination are not anticipated to have any detectable impact on surface water quality in the area or result in any other environmental exposure. Therefore, given the low concentration, lack of a defined source and limited extent of the problem, it is anticipated that this contamination will attenuate naturally.

11.1.3 Surface Water Investigation:

Sawyer Creek and the Nicholas Pond are the two surface water features in close proximity to the site. As previously described, Sawyer Creek in the vicinity of the site is nothing more than a roadside drainage ditch, while Nicholas Pond is an approximately 1/16th acre shallow man made impoundment on a private property, intended as an ornamental pond. Neither represents a significant habitat capable of supporting a viable aquatic population. Both features were sampled on two and three occasions respectively. One sediment sample from Sawyer Creek had PCBs at a concentration of 61 ppb, which slightly exceeds the Division of Fish and Wildlife (DFW) guidance value of 42 ppb for piscivorous wildlife. Since it is unlikely that Sawyer Creek supports piscivorous wildlife and the Nicholas Pond likely functions as a sediment trap (protecting Van Campen Creek), this exceedance is not a threat to the environment. Phenol has been detected in the creek water at 12 ppb, which is above both the water quality criteria of 5 ppb, however, phenol is not a hazardous waste and levels present are not anticipated to adversely affect the environment.

11.2 Friendship Foundry No. 2 and No. 3:

Based upon a review of Foundry operating records, as well as the sampling and investigations conducted by the NYSDEC and others, no evidence of hazardous waste disposal has been identified on the properties known as Friendship Foundry No. 2 and Friendship Foundry No. 3. Past foundry activities conducted at these properties did not appear to have involved the handling, generation or disposal of hazardous waste. Test pits dug by the Allegany County DPW did not show any evidence of hazardous waste disposal and soil samples collected did not identify any contaminants above levels of concern.

Although a soil sample collected during the RI at Friendship Foundry No. 3 contained arsenic, chromium, and mercury at levels exceeding NYSDEC guidance values for protection of groundwater, the TCLP analytical results for these compounds showed that the contaminants were not likely to leach out of their present matrix and are not present at levels which would classify them as hazardous waste. Since hazardous waste disposal has not been identified, no further action to address this material under the inactive hazardous waste remedial program is warranted.

Based on the available information relative to hazardous waste disposal evaluated by this report, the parcels identified as Friendship Foundry No. 2 and No. 3 do not warrant further investigation and require no remediation to address hazardous waste contamination.

During the course of the NYSDEC investigation, partially buried drums were discovered on property adjacent to the Friendship Foundry No. 3 parcel. These drums were investigated and found to contain only foundry slag and foundry sand, which are not hazardous wastes. A sample collected from a drum contained chromium and copper in excess of NYSDEC soil guidance values for the protection of groundwater. However, since no hazardous waste were identified near these drums and the TCLP analysis results showed that these contaminants were not likely to leach out of their present matrix, no remediation to address hazardous waste contamination is required.

Due to the proximity of the above drums to the North Branch of Van Campen Creek, sediment samples were collected from near the buried drums and from a downstream location. These samples contained benzo(a)pyrene, benzo(a)anthracene, benzo(b)flouranthene, benzo(k)flouranthene, and chrysene at levels that exceed NYSDEC sediment criteria. Lead, arsenic, manganese, and nickel were also detected at levels exceeding the NYSDEC lowest effect level but did not exceed the severe effect level. The levels observed in the creek, while slightly elevated, are commonly attributable to street runoff and are not a result of hazardous waste. Therefore, no further action is warranted in the North Branch of Van Campen Creek under the State Superfund Program.

12.0 RECOMMENDATIONS

12.1 Friendship Foundry No. 1:

After the completion of the RI, it has been determined that hazardous waste will no longer be present at the site, having been addressed by the IRMs undertaken by the NYSDEC and USEPA. Furthermore, since the investigation did not identify any remaining hazardous waste contamination at the site which is resulting in an exposure to the public or the environment, no further action is required to address hazardous waste disposal at this site. Although the NYSDEC is recommending no further action at the Friendship Foundry site under the inactive hazardous waste site remedial

program, solid wastes containing hazardous substances will remain on site that may pose a risk to human health or the environment. These hazardous substances should not be ignored should future land use change. Recommendations to address those areas which can be accomplished by inserting restrictions into property deeds are:

1) The main foundry building is structurally unstable and presents a physical hazard. This structure should be properly demonlished prior to any use of the site. Until the structure can be demolished, existing fences and other access restrictions should be maintaned.

2) Foundry sand and baghouse particulates which exceed SCGs for heavy metals and SVOCs are piled in the main foundry yard and in and around the building. These materials must be properly disposed of or contained before the property can be redeveloped. Residential development of the property should be discouraged. Guidance regarding regulations governing handling or disposal of the non-hazardous wastes remaining at the site can be obtained from the NYSDEC and information regarding mitigation of any potential health exposures can be obtained from the NYSDOH if any redevelopment is contemplated. As with the physical hazards presented by the site, maintainence of the existing access restrictions should continue to minimize the potential for exposure to the materials remaining at the site.

3) The site may qualify for reconsideration should a program, currently being evaluated by the State Legislature, provide funding and authorization to address sites where contamination is attributable to hazardous substances be enacted in the future.

4) It is recommended that this site be considered for reclassification or delisting from the New York State Registry of Inactive Hazardous Waste Disposal Sites, upon completion of the ongoing capacitor sump IRM.

12.2 Friendship Foundry No. 2 and No. 3:

It is reccommended that the Division of Hazardous Waste Remediation (DHWR) modify the description of the Friendship Foundry Site, Site no. 9-02-015, included in the Registry of Inactive Hazardous Waste Disposal Sites to delete the properties known as Friendship Foundry No. 2 and Friendship Foundry No. 3 from the description of the property comprising the Class 2 site.

Below are the sample results. All concentrations are in parts per billion (ppb). Note that B denotes that contamination was found in the method blank as well as sample. J indicates that the value is estimated and below instrument quantitation levels. ND indicates that the analyte was not detected.

Compound	FSAND-1	FLOOR-1	FLOOR-2	BDUST-1
Volatiles	TCLP	TCLP	TCLP	TCLP
Vinyl Chloride	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND
2-Butanone	ND	ND	8 BJ	ND
1,2-Dichloroethane	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND
Benzene	ND	ND	2 J	ND
Tetrachloroethene	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND
Semi-Volatiles				
Pyridine	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND
2-Methyl phenol	ND	ND	3 J	ND
Hexachloroethane	ND	ND	ND	ND
M+P Methyl phenol	ND	ND	2 J	ND
Nitrobenzene	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND
Pesticides				
gamma-BHC	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND	ND
Endrin	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND
Tech Chlordane	ND	ND	ND	ND
Herbicides				
2,4-D	ND	ND	ND	ND
2,4,5-TP(Silvex)	ND	ND	ND	ND
Metals				
Arsenic	ND	ND	ND	ND
Barium	607	549	506	482
Cadmium	12.3	13.3	47.2	17.1
Chromium	13	8.2 B	34.9	ND
Lead	654	149	1560	262
Mercury	0.3	0.59	ND	ND
Selenium	ND	64.5	ND	ND
Silver	ND	ND	ND	ND

Compound	FSAND-2		BDUST-2		DRUM-1		SOIL-1
Volatiles	ASP	TCLP	ASP	TCLP	ASP	TCLP	ASP
Chloromethane	ND		ND		ND		
Bromomenthane	ND		ND		ND		
Vinyl Chloride	ND	ND	ND	ND	ND	ND	
Chloroethane	ND		ND		ND		
Methylene Chloride	5 J		15 JB		8 JB		
Acetone	ND		18 B		ND		
Carbon Disulfide	ND		ND		ND		
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND		ND		ND		
1,2-Dichloroethene (total)	ND		ND		ND		
Chloroform	ND	ND	ND	ND	ND	ND	
2-Butanone	ND	ND	18 BJ	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND		ND		ND		
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	
Bromodichloromethane	ND		ND		ND		
1,2-Dichloropropane	ND		ND		ND		
cis-1,3-Dichloropropene	ND		ND		ND		
Trichloroethene	ND	ND	ND	ND	ND	ND	
Dibromochloromethane	ND		ND		ND		
1,1,2-Trichloroethane	ND		ND		ND		
Benzene	ND	ND	ND	ND	ND	ND	
trans-1,3-Dichloropropene	ND		ND		ND		
Bromoform	ND		ND		ND		
4-Methyl-2-pentanone	ND		ND		ND		
2-Hexanone	ND		ND		ND		
Tetrachloroethene	4 J	ND	2 J	ND	1 J	ND	
1,1,2,2-Tetrachloroethane	ND		ND		ND		
Toluene	ND		18 J		ND		
Chlorobenzene	ND	ND	ND	ND	ND	ND	
Ethyl Benzene	ND		ND		ND		
Styrene	ND		ND		ND		
Total Xylenes	ND		ND		ND		
Semi-Volatiles							
Pyridine	ND	ND	ND	ND	ND	ND	ND
Phenol	170 J		4000		ND		ND
Bis(2-chloroethyl) ether	ND		ND		ND		ND
2-Chlorophenol	ND		ND		ND		ND
1,3-Dichlorobenzene	ND		ND		ND		ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND		ND		ND		ND
2-Methyl phenol	ND	ND	270 J	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	ND		ND		ND		ND
4-Methyl phenol	ND		ND		ND		ND
N-Nitroso-Di-n-propylamine	ND		ND		ND		ND
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND
M+P Methyl phenol	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND
Isophorone	ND		ND		ND		ND
2-Nitrophenol	ND		ND		ND		ND
2,4-Dimethylphenol	ND		ND		ND		ND
Bis(2-chloromethoxy)methane	ND		ND		ND		ND
2,4-Dichlorophenol	ND		ND		ND		ND
1,2,4-Trichlorobenzene	ND		ND		ND		ND
Naphthalene	60 JB		3400 B		ND		ND
4-Chloroaniline	ND		ND		ND		ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND
2-Chloro-3-Methyl phenol	ND		ND		ND		ND
2-Methylnaphthalene	ND		1000		ND		ND
Hexachlorocyclopentadiene	ND		ND		ND		ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND		ND		ND		ND
2-nitroanaline	ND		ND		ND		ND
Dimethyl phthalate	ND		ND		ND		ND
Acenaphthylene	ND		110 J		ND		ND
2,6-Dinitrotoluene	ND		ND		ND		ND
3-Nitroaniline	ND		ND		ND		ND
Acenaphthene	ND		ND		ND		ND
2,4-Dinitrophenol	ND		ND		ND		ND
4-Nitrophenol	ND		ND		ND		ND

Compound	FSAND-2		BDUST-2		DRUM-1		SOIL-1
Semi-Volatiles, Cont.	ASP	TCLP	ASP	TCLP	ASP	TCLP	ASP
Dibenzofuran	ND		340 J		ND		ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	ND		ND		ND		ND
4-Chlorodiphenylether	ND		ND		ND		ND
Fluorene	ND		ND		ND		ND
4-Nitroaniline	ND		ND		ND		ND
4,6-Dinitro-2-methyl phenol	ND		ND		ND		ND
N-Nitrosodiphenylamine	ND		ND		ND		ND
4-Bromophenyl phenyl ether	ND		ND		ND		ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND		900		ND		130
Anthracene	ND		220J		ND		ND
Carbazole	ND		ND		ND		ND
Di-n-butyl phthalate	ND		260 J		ND		ND
Fluoranthene	ND		560J		ND		190 J
Pyrene	ND		920		ND		160 J
Butyl benzyl phthalate	ND		ND		ND		ND
3,3-Dichlorobenzidine	ND		ND		ND		ND
Benzo(a)anthracene	ND		150 J		ND		70 J
Chrysene	ND		290 J		ND		100 J
Bis(2-ethylhexyl) phthalate	200 J		640		270 J		210 J
Di-n-octyl phthalate	ND		ND		ND		ND
Benxo(b)fluoranthene	ND		160 J		ND		65 J
Benzo(k)fluoranthene	ND		84 J		ND		61 J
Benxo(a)pyrene	ND		ND		ND		46 J
Indeno(1,2,3-cd)pyrene	ND		ND		ND		ND
Dibenzo(a,h)anthracene	ND		ND		ND		ND
Benzo(ghi)perylene	ND		ND		ND		ND
Pesticides							
alpha-BHC	ND		ND		ND		
beta-BHC	ND		ND		ND		
delta-BHC	ND		ND		ND		
gamma-BHC(Lindane)	ND		ND		ND		
Heptachlor	ND		ND		ND		
Aldrin	ND		ND		ND		
Heptachlor Epoxide	ND		4.9 PY		ND		
Endosulfan I	ND		ND		ND		
Dieldrin	ND		ND		ND		
4,4-DDE	ND		ND		ND		
Endrin	ND		10 PY		ND		
Endosulfan II	ND		6.2 P		ND		
4,4-DDD	ND		ND		ND		
Endosulfan Sulfate	ND		ND		ND		
4,4-DDT	ND		7.8 PY		ND		
Methoxychlor	180		ND		ND		
Endrin Ketone	ND		5.8 JPY		ND		
Endrin aldehyde	ND		ND		ND		
alpha-Chlordane	ND		6.1 Y		ND		
gamma-Chlordane	ND		ND		ND		
Toxaphene	ND		ND		ND		
Tech Chlordane	ND		ND		ND		
Aroclor-1016	ND		ND		ND		
Aroclor-1221	ND		ND		ND		
Aroclor-1232	ND		ND		ND		
Aroclor-1242	ND		ND		ND		
Aroclor-1248	32 J		ND		ND		
Aroclor-1254	ND		71		ND		
Aroclor-1260	ND		ND		ND		
Herbicides							
2,4-D							
2,4,5-TP(Silvex)							
Metals							
Aluminum	2690000		3560000		404000		15200000
Antimony	37300		23000		17100		ND
Arsenic	8700	ND	20000	ND	4800	834	10100
Barium	114000	1680	136000	662	5700 B	496	127000
Beryllium	ND		ND		ND		690 B
Cadmium	4500	30.6	12200	47.6	ND	34.7	ND
Calcium	4550000		6890000		713000 B		1950000
Chromium	78900	28.2	276000	ND	22000	ND	22200
Cobalt	11700		31900		5800 B		13000

APPENDIX A

DATA TABLES

Compound	FSAND-2		BDUST-2		DRUM-1		SOIL-1
Metals, Cont.	ASP	TCLP	ASP	TCLP	ASP	TCLP	ASP
Copper	347000		444000		27500		20200
Iron	77300000		169000000		34000000		31700000
Lead	844000	769	4320000	477	43500	115	121000
Magnesium	1740000		18600000		141000 B		3030000
Manganese	1300000		2660000		1010000		808000
Mercury	ND	ND	180	ND	ND	5.3	430
Nickel	90800		322000		24900		28300
Potassium	663000 B		690000 B		140000 B		1720000
Selenium	ND	ND	ND	ND	ND	ND	ND
Silver	ND	11.8	7210	ND	ND	ND	ND
Sodium	202000 B		811000 B		ND		ND
Thallium	ND		ND		ND		ND
Vanadium	26600		52810		138		26800
Zinc	1150000		766000		283		141000

Compound	TP5-1		TP7-1		TP12-1		TP4-1	TP7-2	TP8-1
Volatiles	ASP	TCLP	ASP	TCLP	ASP	TCLP	TCLP	TCLP	TCLP
Chloromethane			ND						
Bromomenthane			ND						
Vinyl Chloride		ND	ND	ND		ND	ND	ND	ND
Chloroethane			ND						
Methylene Chloride			21 J						
Acetone			150 B						
Carbon Disulfide			ND						
1,1-Dichloroethene		ND	ND	ND		ND	ND	ND	ND
1,1-Dichloroethane			ND						
1,2-Dichloroethene (total)			ND						
Chloroform		ND	ND	ND		ND	ND	ND	ND
2-Butanone		ND	39 BJ	ND		ND	6 J	ND	ND
1,2-Dichloroethane		ND	ND	ND		ND	ND	ND	ND
1,1,1-Trichloroethane			ND						
Carbon Tetrachloride		ND	ND	ND		ND	ND	ND	ND
Bromodichloromethane			ND						
1,2-Dichloropropane			ND						
cis-1,3-Dichloropropene			ND						
Trichloroethene		ND	ND	ND		ND	ND	ND	ND
Dibromochloromethane			ND						
1,1,2-Trichloroethane			ND						
Benzene		ND	ND	ND		ND	ND	ND	ND
trans-1,3-Dichloropropene			ND						
Bromoform			ND						
4-Methyl-2-pentanone			ND						
2-Hexanone			ND						
Tetrachloroethene		ND	ND	ND		ND	ND	ND	ND
1,1,2,2-Tetrachloroethane			ND						
Toluene			9 J						
Chlorobenzene		ND	ND	ND		ND	ND	ND	ND
Ethyl Benzene			6 J						
Styrene			ND						
Total Xylenes			360						
Semi-Volatiles									
Pyridine		ND	ND	ND		ND	ND	ND	ND
Phenol			240 J						
Bis(2-chloroethyl) ether			ND						
2-Chlorophenol			ND						
1,3-Dichlorobenzene			ND						
1,4-Dichlorobenzene		ND	ND	ND		ND	ND	ND	ND
1,2-Dichlorobenzene			ND						
2-Methyl phenol		ND	130 J	ND		ND	ND	ND	ND
Bis(2-chloroisopropyl) ether			ND						
4-Methyl phenol			ND						
N-Nitroso-Di-n-propylamine			ND						
Hexachloroethane		ND	ND	ND		ND	ND	ND	ND
M+P Methyl phenol		ND	ND	ND		ND	ND	ND	ND
Nitrobenzene		ND	ND	ND		ND	ND	ND	ND
Isophorone			ND						
2-Nitrophenol			ND						
2,4-Dimethylphenol			ND						
Bis(2-chloromethoxy)methane			ND						
2,4-Dichlorophenol			ND						
1,2,4-Trichlorobenzene			ND						
Naphthalene			290 J						
4-Chloroaniline			ND						
Hexachlorobutadiene		ND	ND	ND		ND	ND	ND	ND
2-Chloro-3-Methyl phenol			ND						
2-Methylnaphthalene			170 J						
Hexachlorocyclopentadiene			ND						
2,4,6-Trichlorophenol		ND	ND	ND		ND	ND	ND	ND
2,4,5-Trichlorophenol		ND	ND	ND		ND	ND	ND	ND
2-Chloronaphthalene			ND						
2-nitroanaline			ND						
Dimethyl phthalate			ND						
Acenaphthylene			180 J						
2,6-Dinitrotoluene			ND						
3-Nitroaniline			ND						
Acenaphthene			110 J						
2,4-Dinitrophenol		ND	ND	ND		ND	ND	ND	ND
4-Nitrophenol			ND						

Compound	TP5-1		TP7-1		TP12-1		TP4-1	TP7-2	TP8-1
Semi-Volatiles, Cont.	ASP	TCLP	ASP	TCLP	ASP	TCLP	TCLP	TCLP	TCLP
Dibenzofuran			99 J						
2,4-Dinitrotoluene			ND	10 J					
Diethyl phthalate			ND						
4-Chlorodiphenylether			ND						
Fluorene			310 J						
4-Nitroaniline			ND						
4,6-Dinitro-2-methyl phenol			ND						
N-Nitrosodiphenylamine			ND						
4-Bromophenyl phenyl ether			ND						
Hexachlorobenzene		ND	ND	ND		ND	ND	ND	ND
Pentachlorophenol		ND	ND	ND		ND	ND	ND	ND
Phenanthrene			1600						
Anthracene			490						
Carbazole			480						
Di-n-butyl phthalate			ND						
Fluoranthene			1900						
Pyrene			1800						
Butyl benzyl phthalate			ND						
3,3-Dichlorobenzidine			ND						
Benzo(a)anthracene			1200						
Chrysene			960						
Bis(2-ethylhexyl) phthalate			ND						
Di-n-octyl phthalate			ND						
Benxo(b)fluoranthene			1500						
Benzo(k)fluoranthene			1200						
Benxo(a)pyrene			1200						
Indeno(1,2,3-cd)pyrene			800						
Dibenzo(a,h)anthracene			330 J						
Benzo(ghi)perylene			880						
Pesticides									
alpha-BHC			ND						
beta-BHC			ND						
delta-BHC			ND						
gamma-BHC(Lindane)		ND	ND	ND		ND	ND	ND	ND
Heptachlor		ND	ND						
Aldrin			ND						
Heptachlor Epoxide		ND	1 J	ND		ND	ND	ND	ND
Endosulfan I			2 P						
Dieldrin			3.4 JP						
4,4-DDE			ND						
Endrin		ND	6.6 JP	ND		ND	ND	ND	ND
Endosulfan II			1.9 JP						
4,4-DDD			ND						
Endosulfan Sulfate			ND						
4,4-DDT			ND						
Methoxychlor		ND	ND	ND		ND	ND	ND	ND
Endrin Ketone			ND						
Endrin aldehyde			ND						
alpha-Chlordane			0.7 JP						
gamma-Chlordane			ND						
Toxaphene		ND	ND	ND		ND	ND	ND	ND
Tech Chlordane		ND	ND	ND		ND	ND	ND	ND
Aroclor-1016			ND						
Aroclor-1221			ND						
Aroclor-1232			ND						
Aroclor-1242			ND						
Aroclor-1248			ND						
Aroclor-1254			ND						
Aroclor-1260			ND						
Herbicides									
2,4-D		ND		ND		ND	ND	ND	ND
2,4,5-TP(Silvex)		ND		ND		ND	ND	ND	ND
Metals									
Aluminum	7870000		8370000		10400000				
Antimony	ND		13300		ND				
Arsenic	7900	ND	8700	ND	14200	ND	ND	ND	ND
Barium	93000	540	90500	546	74000	581	442	292	985
Beryllium	500 B		280 B		360 B				
Cadmium	ND	ND	1200	7.1	1600	6.5	ND	ND	20.3
Calcium	1570000		5600000		29200000				
Chromium	10900	ND	29500	9.5 B	23400	ND	ND	ND	ND
Cobalt	8700 B		5900B		10300 B				

Compound	TP5-1		TP7-1		TP12-1		TP4-1	TP7-2	TP8-1
Metals, Cont.	ASP	TCLP	ASP	TCLP	ASP	TCLP	TCLP	TCLP	TCLP
Copper	25300		32500		58600				
Iron	19100000		49800000		27100000				
Lead	94800	ND	102000	ND	186000	ND	ND	ND	296
Magnesium	1350000		1810000		4210000				
Manganese	205000		648000		467000				
Mercury	210	ND	ND	0.210	440	ND	ND	ND	0.410
Nickel	17500		17200		2180				
Potassium	861000 B		927000 B		1090000 B				
Selenium	650 B	58.9	330 B	ND	290 B	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	192000 B		1180000		204000 B				
Thallium	530 B		430 B		ND				
Vanadium	17200		28000		17900				
Zinc	85600		126000		787000				

Compound	DECON-1	DECON-2	SUMP-1	SCREEK-1	SCREEK-2	VCCREEK-1	VCCREEK-2	VCCREEK-3	VCCREEK-4
	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP
Volatiles	SED	AQ	AQ	SED	SED	SED	AQ	SED	AQ
Chloromethane	ND	ND	ND						ND
Bromomenthane	ND	ND	ND						ND
Vinyl Chloride	ND	ND	ND						ND
Chloroethane	ND	ND	ND						ND
Methylene Chloride	31 J	ND	6 J						ND
Acetone	14 J	24 B	20 B						27 B
Carbon Disulfide	ND	ND	ND						ND
1,1-Dichloroethene	ND	ND	ND						ND
1,1-Dichloroethane	ND	ND	7 J						ND
1,2-Dichloroethene	53 J	ND	ND						ND
Chloroform	ND	ND	ND						ND
2-Butanone	ND	ND	6 BJ						7 BJ
1,2-Dichloroethane	ND	ND	ND						ND
1,1,1-Trichloroethane	ND	ND	20						ND
Carbon Tetrachloride	ND	ND	ND						ND
Bromodichloromethane	ND	ND	ND						ND
1,2-Dichloropropane	ND	ND	ND						ND
cis-1,3-Dichloropropene	ND	ND	ND						ND
Trichloroethene	16 J	ND	ND						ND
Dibromochloromethane	ND	ND	ND						ND
1,1,2-Trichloroethane	ND	ND	ND						ND
Benzene	13 J	ND	ND						ND
trans-1,3-	ND	ND	ND						ND
Bromoform	ND	ND	ND						ND
4-Methyl-2-pentanone	ND	ND	ND						ND
2-Hexanone	ND	ND	ND						ND
Tetrachloroethene	46 J	ND	ND						ND
1,1,2,2-	ND	ND	ND						ND
Toluene	110	1 J	ND						1 J
Chlorobenzene	49 J	ND	ND						ND
Ethyl Benzene	53 J	ND	ND						ND
Styrene	ND	ND	ND						ND
Total Xylenes	11400	3 J	ND						5 J
Semi-Volatiles									
Pyridine	ND	ND	ND			ND	ND	ND	ND
Phenol	22000 E	530	570			ND	ND	ND	610
Bis(2-chloroethyl) ether	ND	ND	ND			ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND			ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND			ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND			ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND			ND	ND	ND	ND
2-Methyl phenol	ND	ND	ND			ND	ND	ND	ND
Bis(2-chloroisopropyl)	ND	ND	ND			ND	ND	ND	ND
4-Methyl phenol	ND	ND	ND			ND	ND	ND	11 J
N-Nitroso-Di-n-	ND	ND	ND			ND	ND	ND	ND
Hexachloroethane	ND	ND	ND			ND	ND	ND	ND
M+P Methyl phenol	ND	ND	ND			ND	ND	ND	ND
Nitrobenzene	ND	ND	ND			ND	ND	ND	ND
Isophorone	ND	ND	ND			ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND			ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND			ND	ND	ND	ND
Bis(2-	ND	ND	ND			ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND			ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND			ND	ND	ND	ND
Naphthalene	73000 E	86 J	ND			ND	ND	ND	170
4-Chloroaniline	ND	ND	ND			ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND			ND	ND	ND	ND
2-Chloro-3-Methyl	ND	ND	ND			ND	ND	ND	ND
2-Methylnaphthalene	35000 E	ND	ND			ND	ND	ND	42 J
Hexachlorocyclopentadie	ND	ND	ND			ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND			ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND			ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND			ND	ND	ND	ND
2-nitroanaline	ND	ND	ND			ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND			ND	ND	ND	ND
Acenaphthylene	ND	ND	ND			ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND			ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND			ND	ND	ND	ND
Acenaphthene	480	ND	ND			ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND			ND	ND	ND	ND

Compound	DECON-1	DECON-2	SUMP-1	SCREEK-1	SCREEK-2	VCCREEK-1	VCCREEK-2	VCCREEK-3	VCCREEK-4
	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP
4-Nitrophenol	ND	ND	ND			ND	ND	ND	ND
Semi-Volatiles Cont.	SED	AQ	AQ	SED	SED	SED	AQ	SED	AQ
Dibenzofuran	ND	ND	ND			ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND			ND	ND	ND	ND
Diethyl phthalate	ND	ND	ND			ND	ND	ND	ND
4-Chlorodiphenylether	ND	ND	ND			ND	ND	ND	ND
Fluorene	700	ND	ND			ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND			ND	ND	ND	ND
4,6-Dinitro-2-methyl	ND	ND	ND			ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND			ND	ND	ND	ND
4-Bromophenyl phenyl	ND	ND	ND			ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND			ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND			ND	ND	ND	ND
Phenanthrene	1100	ND	ND			120 J	ND	150 J	ND
Anthracene	180 J	ND	ND			46 J	ND	180 J	ND
Carbazole	ND	ND	ND			ND	ND	ND	ND
Di-n-butyl phthalate	320 J	35 BJ	57 BJ			ND	43 B	ND	54 BJ
Fluoranthene	ND	ND	ND			530	ND	380 J	ND
Pyrene	580	ND	ND			440	ND	280 J	ND
Butyl benzyl phthalate	DN	ND	ND			ND	ND	ND	ND
3,3-Dichlorobenzidine	ND	ND	ND			ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND			270 J	ND	160 J	ND
Chrysene	ND	ND	ND			250 J	ND	170 J	ND
Bis(2-ethylhexyl)	2400	ND	ND			150 J	ND	130 J	15 J
Di-n-octyl phthalate	ND	ND	ND			ND	ND	ND	ND
Benxo(b)fluoranthene	ND	ND	ND			170 J	ND	98 J	ND
Benzo(k)fluoranthene	ND	ND	ND			190 J	ND	100 J	ND
Benxo(a)pyrene	ND	ND	ND			160 J	ND	90 J	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND			40 J	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND			ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND			ND	ND	ND	ND
Pesticides									
alpha-BHC	ND	0.05	ND	ND	ND				ND
beta-BHC	ND	ND	ND	ND	ND				0.023
delta-BHC	15 P	ND	ND	ND	ND				ND
gamma-BHC(Lindane)	ND	ND	ND	ND	ND				ND
Heptachlor	ND	ND	ND	ND	ND				ND
Aldrin	ND	ND	ND	ND	ND				ND
Heptachlor Epoxide	ND	ND	ND	ND	ND				ND
Endosulfan I	ND	ND	ND	ND	ND				ND
Dieldrin	ND	ND	0.14 JP	ND	ND				0.031 JP
4,4-DDE	ND	ND	0.18 J	ND	ND				0.016 JP
Endrin	ND	ND	ND	ND	ND				ND
Endosulfan II	ND	ND	ND	ND	ND				ND
4,4-DDD	ND	ND	ND	ND	ND				0.018 J
Endosulfan Sulfate	ND	ND	ND	ND	ND				ND
4,4-DDT	ND	ND	ND	ND	ND				ND
Methoxychlor	ND	ND	0.48 JP	ND	ND				ND
Endrin Ketone	ND	ND	ND	ND	ND				ND
Endrin aldehyde	ND	ND	ND	ND	ND				ND
alpha-Chlordane	ND	ND	ND	ND	ND				ND
gamma-Chlordane	ND	ND	ND	ND	ND				0.015 JP
Toxaphene	ND	ND	ND	ND	ND				ND
Tech Chlordane	ND	ND	ND	ND	ND				ND
Aroclor-1016	ND	ND	ND	ND	ND				ND
Aroclor-1221	ND	ND	ND	ND	ND				ND
Aroclor-1232	ND	ND	ND	ND	ND				ND
Aroclor-1242	ND	ND	ND	ND	ND				ND
Aroclor-1248	420 P	ND	73	ND	61				ND
Aroclor-1254	ND	ND	ND	19 J	ND				ND
Aroclor-1260	ND	ND	ND	ND	ND				ND
Metals									
Aluminum	4040000	765	193 B			9430000	75.9 B	8910000	323
Antimony	29900	ND	ND			ND	ND	ND	ND
Arsenic	9100	ND	4.5 B			11100	ND	17800	ND
Barium	79000	55.6 B	61.6 B			77000	14.3 B	93800	40.6 B
Beryllium	ND	ND	ND			650 B	ND	520 B	ND
Cadmium	2300	ND	18.3			680 B	ND	650 B	ND
Calcium	52400000	31100	45300			1780000	9920	6020000	28700
Chromium	96100	19.1	6.9 B			11800	ND	10800 B	7.7 B
Cobalt	8400 B	ND	ND			11700	ND	12400	ND
Copper	98900	38.7	106			14000	3.1 B	13000	19.6 B

Compound	DECON-1	DECON-2	SUMP-1	SCREEK-1	SCREEK-2	VCCREEK-1	VCCREEK-2	VCCREEK-3	VCCREEK-4
	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP	ASP
Metals, Cont.	SED	AQ	AQ	SED	SED	SED	AQ	SED	AQ
Iron	127000000	12400	22600			2920000	222	3010000	7340
Lead	428000	119	49.1			42600	ND	19500	49.3
Magnesium	4730000	2300 B	6550			4260000	3320 B	3300000	1830 B
Manganese	869000	372	728			721000	13.6 B	ND	302
Mercury	200	ND	ND			ND	0.25	130	ND
Nickel	53300	16.1 B	14.7 B			24100	ND	22500 B	12 B
Potassium	714000 B	4150 B	12600			945000 B	1120 B	ND	3680 B
Selenium	ND	ND	5.2			ND	5.5	ND	ND
Silver	ND	ND	ND			ND	ND	ND	ND
Sodium	151000 B	1470 B	62000			ND	8210	ND	1550 B
Thallium	ND	ND	ND			ND	ND	1200	ND
Vanadium	23600	4.3 B	2.6 B			18600	ND	18100	ND
Zinc	872000	468	2530			78200	7.8 B	70300	253

Compound	MW-1	MW-2	MW-3	MW-4	MW-4D	MW-6
	ASP	ASP	ASP	ASP	ASP	ASP
Volatiles	AQ	AQ	AQ	AQ	AQ	AQ
Chloromethane	ND	ND	ND	ND	3 J	ND
Bromomenthane	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	7 BJ	7 BJ	12 B	14 B
Carbon Disulfide	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	2 J
1,1-Dichloroethane	ND	ND	ND	ND	ND	25
1,2-Dichloroethene (total)	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND
2-Butanone	ND	6 J	ND	0.8 J	4 J	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	12
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	0.4 J	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	1 J	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND
Ethyl Benzene	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND
Semi-Volatiles						
Phenol	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl) ether	ND	ND	ND	ND	ND	ND
2-Chlorophenol	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND
2-Methyl phenol	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl) ether	ND	ND	ND	ND	ND	ND
4-Methyl phenol	ND	ND	ND	ND	ND	ND
N-Nitroso-Di-n-propylamine	ND	ND	ND	ND	ND	ND
Hexachloroethane	ND	ND	ND	ND	ND	ND
Nitrobenzene	ND	ND	ND	ND	ND	ND
Isophorone	ND	ND	ND	ND	ND	ND
2-Nitrophenol	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND
Bis(2-	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND
4-Chloroaniline	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND
2-Chloro-3-Methyl phenol	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND
2-nitroanaline	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	ND	ND	ND	ND	ND	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND
3-Nitroaniline	ND	ND	ND	ND	ND	ND
Acenaphthene	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	ND	ND	ND	ND	ND	ND

Compound	MW-1	MW-2	MW-3	MW-4	MW-4D	MW-6
Semi-Volatiles, Cont.	ASP	ASP	ASP	ASP	ASP	ASP
4-Nitrophenol	ND	ND	ND	ND	ND	ND
Dibenzofuran	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND
Diethyl phthalate	1 J	ND	ND	ND	ND	2 J
4-Chlorodiphenylether	ND	ND	ND	ND	ND	ND
Fluorene	ND	ND	ND	ND	ND	ND
4-Nitroaniline	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methyl phenol	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	ND	ND	ND	ND	ND	ND
Pentachlorophenol	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	ND
Anthracene	ND	ND	ND	ND	ND	ND
Carbazole	ND	ND	ND	ND	ND	ND
Di-n-butyl phthalate	41 B	36 B	48 B	42 BJ	30 B	47 B
Fluoranthene	ND	ND	ND	ND	ND	ND
Pyrene	ND	ND	ND	ND	ND	ND
Butyl benzyl phthalate	0.9 BJ	ND	9 BJ	2 BJ	ND	13 B
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND
Chrysene	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	2 J	ND	ND	ND	ND
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND
Benxo(b)fluoranthene	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND
Benxo(a)pyrene	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND
Benzo(ghi)perylene	ND	ND	ND	ND	ND	ND
Pesticides						
alpha-BHC	ND	ND	ND	ND	ND	ND
beta-BHC	ND	ND	ND	ND	ND	ND
delta-BHC	ND	ND	ND	ND	ND	ND
gamma-BHC(Lindane)	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND
Endosulfan I	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	0.029 JP	ND
4,4-DDE	ND	ND	ND	ND	0.22 J	ND
Endrin	ND	ND	ND	ND	0.037 J	ND
Endosulfan II	ND	ND	ND	ND	ND	ND
4,4-DDD	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND
4,4-DDT	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND
Endrin Ketone	ND	ND	ND	ND	ND	ND
Endrin aldehyde	ND	ND	ND	ND	ND	ND
alpha-Chlordane	ND	ND	ND	ND	ND	ND
gamma-Chlordane	ND	ND	ND	ND	0.017 JP	ND
Toxaphene	ND	ND	ND	ND	ND	ND
Tech Chlordane	ND	ND	ND	ND	ND	ND
Aroclor-1016	ND	ND	ND	ND	ND	ND
Aroclor-1221	ND	ND	ND	ND	ND	ND
Aroclor-1232	ND	ND	ND	ND	ND	ND
Aroclor-1242	ND	ND	ND	ND	ND	ND
Aroclor-1248	ND	ND	ND	ND	ND	ND
Aroclor-1254	ND	ND	ND	ND	ND	ND
Aroclor-1260	ND	ND	ND	ND	ND	ND
Metals						
Aluminum	162 B	108 B	57.9 B	878	1390	ND
Antimony	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND	4.5 B	ND	11.4	ND
Barium	76 B	39.2 B	34.8 B	46.9 B	209	65.3 B
Beryllium	ND	ND	ND	ND	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND
Calcium	69700	28100	30400	40600	60600	86900
Chromium	ND	ND	ND	ND	ND	ND
Cobalt	ND	ND	ND	ND	ND	ND
Copper	ND	ND	ND	5.4 B	4.1 B	3.9 B
Iron	1870	421	264	2500	3160	2490

Compound	MW-1	MW-2	MW-3	MW-4	MW-4D	MW-6
Metals, Cont.	ASP	ASP	ASP	ASP	ASP	ASP
Lead	ND	ND	ND	ND	ND	ND
Magnesium	28100	4880 B	5610	10800	15500	12000
Manganese	5280	379	64.5	3090	520	6200
Mercury	0.26	0.29	0.36	0.34	0.34	0.3
Nickel	ND	ND	ND	9.7 B	8.6 B	ND
Potassium	7220	8060	4410 B	3130 B	2870 B	8170
Selenium	ND	ND	4.1 B	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND
Sodium	20800	45900	46600	24000	19100	47500
Thallium	ND	ND	ND	ND	ND	ND
Vanadium	ND	ND	ND	2.5 B	3.1 B	ND
Zinc	4.8 B	4.9 B	17.70 B	10.9 B	14.8 B	7.7

APPENDIX B

WELL LOGS AND TEST PIT LOGS

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast rain, 40 degrees F

Date/Time Start: 12/6/94 1520

Date/Time Finish: 12/6/94

Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-1

Location: West of concrete pad, due West of building

Plot Plan

Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Brown black sandy soil	PID= 0 ppm
2 - 3 -	Some gray clay (similar to clay found in TP-7 however not as tig Appeared clean.	PID= 0 ppm
4 - 5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 -	Brown soil with sand and gravel that has been found in other TP Bottom of Excavation (Plenty of perched water seeping into trench. It appears a may exist on North side of site in TP-7 and north end of T Encounted the brown till at approx 3', so did not think ther to continue to depth in TP	TP dimensions 40'L by 4'D by 1' wide PID= 0 ppm
19 - 20 -		

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1525	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1530	0 ppm	0 %	0 ppm
1535	0 ppm	0 %	0 ppm
1540	0 ppm	0 %	0 ppm

ffTP12.wk3diskff2

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 40 degrees F

Date/Time Start: 12/6/94 1450

Date/Time Finish: 12/6/94 1510

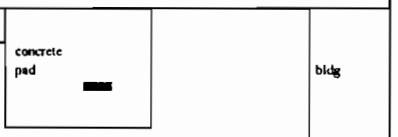
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-2

Location: East of concrete pad

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Brown black sandy soil	PID= 0 ppm
2 - 3 - 4 - 5 - 6 -	Brown soil with sandy gravel, till, clean, appears to be native soil	PID= 0 ppm TP dimensions 40'L by 4'D by 1' wide
7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	Bottom of Excavation (TP is very similar to till found in TP-3, no sample collecte (We did not feel it was nessary to go to water as we found in TP-3 nearby) (No sample collected from TP-2)	

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1450	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1455	0 ppm	0 %	0 ppm
1500	0 ppm	0 %	0 ppm
1510	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 40 degrees F

Date/Time Start: 12/6/94 1420

Date/Time Finish: 12/6/94 1445

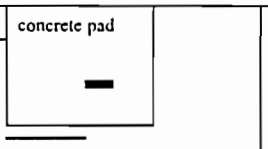
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-3

Location: West of plant/south of concrete pad

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Brown to dark color topsoil, not much debris	PID= 0 ppm
2 - 3 - 4 - 5 - 6 - 7 -	Brown soil with cobbles and gravel	PID= 0 ppm TP dimensions 40'L by 9-3'D by 1' wide we dug to 9' on east end
8 - 9 -	Some sand, appears to be till Material clean and seems to be native	PID= 0 ppm
10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	Bottom of Excavation (No sample collected from TP-3)	

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1425	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1430	0 ppm	0 %	0 ppm
1435	0 ppm	0 %	0 ppm
1440	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 40 degrees F

Date/Time Start: 12/6/94 1600

Date/Time Finish: 12/6/94 1630

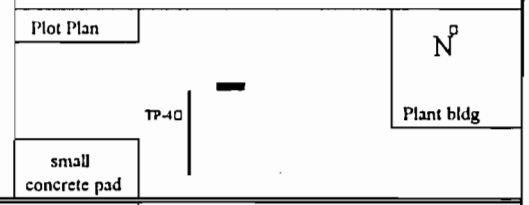
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-4

Location: South west corner of property

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Dark black topsoil first 6". Below is brown to gr clay and gravel, gray to white ash north end	PID= 0 ppm
2 - 3 - 4 - 5 -	Brown till with some slate pieces at top 2' till similar to other TP, Water at 4.5'	PID= 0 ppm TP dimensions 40'L by 3-5'D by 1' wide
6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	Bottom of Excavtion (TP was similar to other TP,s with brown till at approx 2" i (Discovered a gray, white material on north end of TP that material. Collected a sample for TCLP analysis.)	PID= 0 ppm

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1605	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1615	0 ppm	0 %	0 ppm
1620	0 ppm	0 %	0 ppm
1625	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 30 degrees F

Date/Time Start: 12/7/94 0845

Date/Time Finish: 12/7/94 0915

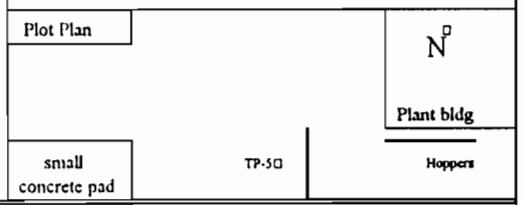
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-5

Location: South west of plant bldg

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 -	Black stained sand, gravel, appears to be foundr color	PID= 0 ppm
1 -		
2 -		
3 -	Black stained sand on top, changing to clay, wet very tight, till bl	PID= 0 ppm
4 -		
5 -	Brown till with gravel, sand, clean	TP dimensions 35'L by 4'D by 1' wide
6 -	Bottom of Excavtion	
7 -		
8 -	(Due to surface water infiltration, trench quickly filled with	PID= 0 ppm
9 -		
10 -	(on north end of trench an 18" steel pipe was encountere	
11 -	Pipe was not damaged. Purpos of this pipe is unknown)	
12 -		
13 -	(Because this TP had the most black stained fill that we ha	
14 -	we collected a soil sample. DEC rep not on site so we are	
15 -	parameters)	
16 -		
17 -		
18 -		
19 -		
20 -		

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
0850	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
0850	0 ppm	0 %	0 ppm
0910	0 ppm	0 %	0 ppm

re

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 30 degrees F

Date/Time Start: 12/7/94 0930

Date/Time Finish: 12/7/94 0950

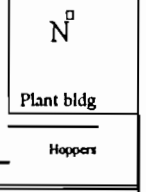
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-6

Location: South west of plant bldg

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Black stained fill, sand, gravel, metal debris simi	PID= 0 ppm
2 - 3 - 4 -	Black stained sand with some clay, gray	PID= 0 ppm
5 -	Brown till with gravel, sand, clean	TP dimensions 35'L by 4'D by 1' wide
6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	Bottom of Excavtion (TP was very similar to TP-5, soil more metal debris was f in TP-6) (No sample was collected from TP-6 as we collected a sa material in TP-5)	PID= 0 ppm

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
0935	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
0940	0 ppm	0 %	0 ppm
0945	0 ppm	0 %	0 ppm

re

ffTP6.wk3diskff2

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast some rain 45 degrees F

Date/Time Start: 12/6/94 1100

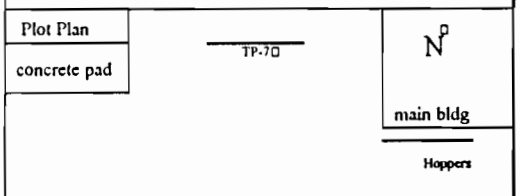
Date/Time Finish: 12/6/94 1200

Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-7

Location: West of main bldg



Excavation Dept (feet)	Field Identification of Material	Comments
0 -	Slag rock black color, fill black color sandy fill,water. Top of gra	PID= 0 ppm
1 -	Clay layer, tight appears to be confining water pouring in on top.	
2 -	Yellow color clay with sand and rounded gravel.	
3 -		PID= 0 ppm
4 -	Bottom of Excavtion	
5 -		TP dimensions 75'L by 4'D by 1' wide
6 -		
7 -	(Soil appears to be native from top of clay at approx 3'.)	
8 -	(At 1' resin rock had purple color collceted sample for TCL	PID= 0 ppm
9 -	INSTRUCTION.)	
10 -	(Also collected sample of black colored sandy fill found on	
11 -	AND TCL analysis)	
12 -		
13 -	Went to 5' deep on east end near foundry east Jeff did not	
14 -	clay in other areas.)	
15 -	(Clay was at approx 3' and perched water poured into tren	
16 -	clay layer approx 18" thick.)	
17 -	(Midway through TP we ran into concrete area near Sawyer stre	
18 -	from near bldg to concrete pad.)	
19 -		
20 -		

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1105	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1110	4.5 ppm	0 %	0 ppm
1120	9.0 ppm	0 %	0 ppm
1135	0.3 ppm	0 %	0 ppm
1145	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast

Date/Time Start: 12/6/94 1305

Date/Time Finish: 12/6/94 1315

Contractor: SJB

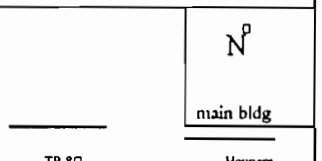
Inspector: DRD of ES

TEST PIT NO. TP-8

Location: Due West of main bldg

Plot Plan

concrete pad



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 2	Black stained sand with scrap metal/ engine parts	PID= 0 ppm
3 - 7	Till with gravel of various sizes, sand brown in color, some wate clean and native.	PID= 0 ppm TP dimensions 45'L by 3'D by 1' wide we went to 9' on east end near bldg
8 - 9	Brown sand saturated, water collecting in hole, some grav	PID= 0 ppm
10 - 20	Bottom of Excavtion (We would have like to have found clay, however we went which bottom 7' appeared to be native. at approx 7' deep, soil so depth was terminated.) (Collected soil sample of black stained soil from 1-1.5' in depth f TCLP analysis.)	

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1320	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1325	0 ppm	0 %	0 ppm
1340	0 ppm	0 %	0 ppm
1350	0 ppm	0 %	0 ppm
1400	0 ppm	0 %	0 ppm

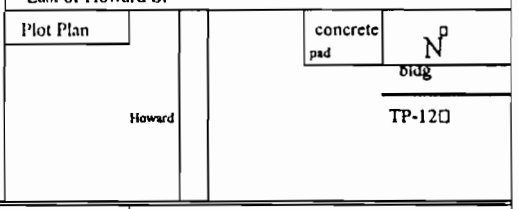
ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC
PROJECT NUMBE 723844.01010
Weather: Overcast rain, 30 degrees F
Date/Time Start: 12/7/94 1140
Date/Time Finish: 12/7/94 1155
Contractor: SJB
Inspector: DRD of ES

TEST PIT NO. TP-12

Location: South of East plant bldg and East of Howard St

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Dark brown topsoil top 6" black stained sandy soil	PID= 0 ppm
2 - 3 -	Yellow clay with silt, gravel, most gravel near top, clean.	PID= 0 ppm
4 - 5 - 6 - 7 - 8 - 9 -	Bottom of excavation (Collected sample of stained soil from about 1' in depth for for metals as per G Sutton NYSDEC instructions.)	TP dimensions 40'L by 3.5'D by 1' wide PID= 0 ppm
10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -		

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1145	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1150	0 ppm	0 %	0 ppm
1155	0 ppm	0 %	0 ppm

ffTP12.wk3diskff2

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast rain, 30 degrees F

Date/Time Start: 12/7/94 1115

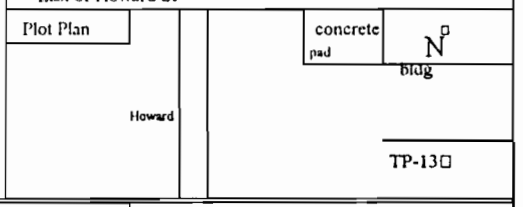
Date/Time Finish: 12/7/94 1130

Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-13

Location: South of East plant bldg and East of Howard St



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Dark brown topsoil top first 6", bottom 8" is black cinders, like r	PID= 0 ppm
2 - 3 -	Yellow clay with silt and some gravel, clean native.	PID= 0 ppm
4 - 5 - 6 - 7 - 8 - 9 -	Bottom of excavation (Cinders found at around 1' depth were similar to railroad cupola dust.)	TP dimensions 40'L by 3.5'D by 1' wide PID= 0 ppm
10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	(No soil sample collected.)	

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1115	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1120	0 ppm	0 %	0 ppm
1125	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast rain, 30 degrees F

Date/Time Start: 12/7/94 1100

Date/Time Finish: 12/7/94 1110

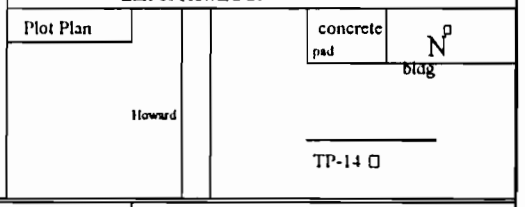
Contractor: SJB

Inspector: DRD of ES

TEST PIT NO. TP-14

Location: North East of railroad abutment,

East of Howard St



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Dark brown topsoil	PID= 0 ppm
2 - 3 - 4 -	Yellow clay with some silt, gravelly at top, clean, native.	PID= 0 ppm
5 - 6 - 7 - 8 - 9 - 10 - 11 - 12 - 13 - 14 - 15 - 16 - 17 - 18 - 19 - 20 -	Bottom of excavation (TP soils are the same as TP-15, clean no evidence of fill (No soil sample collected.)	TP dimensions 30'L by 4'D by 1' wide PID= 0 ppm

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1105	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1110	0 ppm	0 %	0 ppm

ENGINEERING-SCIENCE
TEST PIT RECORD

PROJECT NAME: FRIENDSHIP FOUNDRY NYSDEC

PROJECT NUMBE 723844.01010

Weather: Overcast rain, 30 degrees F

Date/Time Start: 12/7/94 1030

Date/Time Finish: 12/7/94 1100

Contractor: SJB

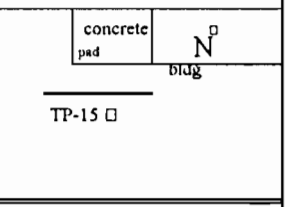
Inspector: DRD of ES

TEST PIT NO. TP-15

Location: North East of railroad abutment,

East of Howard St

Plot Plan



Excavation Dept (feet)	Field Identification of Material	Comments
0 - 1 -	Dark brown topsoil	PID= 0 ppm
2 -	Sand with lots of gravel, light brown	
3 -	Yellow clay with silt,some gravel, clean appeared to be native	PID= 0 ppm
4 - 5 - 6 -		TP dimensions 45'L by 3 to 7'D by 1' wide
7 -	Brown clay, clean, some water	
8 -	Bottom of excavation	PID= 0 ppm
9 - 10 - 11 -		
12 -	(Hole appeared to be clean throughout, went to 7' on west	
13 - 14 -		
15 -	(No soil sample collected)	
16 - 17 - 18 - 19 - 20 -		

SUMMARY

AIR MONITORNG DATA

TIME	PID	LEL	OTHER
1035	0 ppm	0 %	0 Methyl Chloroform Sensidyne = 0ppm
1045	0 ppm	0 %	0 ppm
1050	0 ppm	0 %	0 ppm

ffTP15.wk3diskff2

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO. MW-1 / MW-1
Driller: Ron and Kevin		
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 1 of 2
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather: LIGHT SNOW, 30

Date/Time Start: DECEMBER 19, 1994, 1320

Date/Time Finish: DECEMBER 20, 1994, 1100

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				3	FILL; brown, fine-coarse sand, silt, tr fine gravel, coal pcs.					
				6	moist, no odor					
				11						
0.8		2	50	14						
				7	Brownish-gray to greenish-gray SILT, tr fine sand, tr clay with little	ML-CL				
				4	occasional fine-coarse gravel, moist, no odor					
				5						
1.3		4	40	4						
				7			SAND PACK			
				13	Light brown SILT, some clay and fine-coarse sand, occasional fine-	ML-CL				
				9	coarse gravel, wet at 4.5-5.0 feet, no odor					
9		6	30	8						
				9						
				9						
				10						
4.3		8	100	11						
				4						
				7						
				8						
2		10	50	11						
				3						
				4						
				7	Reddish-tan clayey SILT, moist	ML				
1.8		12	50	7						
				8	Brown-tan very fine SAND and SILT	ML-CL				
				8	moist-wet, no odor					
				11						
1.6		14	70	10	Gray very fine SAND and SILT with few (<1/4") clay seams					
				2	moist-wet, no odor	ML-CL				
				4						
				7			SAND PACK			
1.1		16	60	9	Light brown very fine SAND and SILT, wet, no odor	ML				
				10						
				11	Brown, medium-coarse SAND and fine-coarse GRAVEL	SP				
				8	wet, no odor					
0.8		18	90	8						
				3	Brown-tan SILT with tr fine sand	ML				
				4	moist-wet, no odor					
				7	Gray SILT with tr clay, tr fine gravel					
0		20	70	10	low plasticity, moist-wet	ML-CL				

COMMENTS: CONDUCTED BORING TO 30 FEET 12/19 THEN INSTALLED MW-1 TO 19 12/20
MW-1; 2.5 FEET STICKUP

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	**PARSONS ENGINEERING SCIENCE** DRILLING RECORD	BORING/ WELL NO. MW-1	MW-1
Driller: Ron and Kevin			
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 2 of 2	
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:	

GROUNDWATER OBSERVATIONS

Water Level				
Date				
Time				
Meas. From				

Weather LIGHT SNOW, 30

Date/Time Start DECEMBER 19, 1994, 1320

Date/Time Finish DECEMBER 20, 1994, 1100

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				2	Gray SILT with tr clay, tr fine gravel	ML-CL				
				3	low plasticity, moist-wet (to 24.7 ft)					
				5						
0.5		22	80	6						
				6						
				6						
				8						
0		24	70	9						
				3						
				5						
				6	Brown very fine SAND, tr silt, few silt seams					
0		26	70	7	wet, no odor	SM				
				6						
				9						
				11						
0		28	90	13						
				5						
				7						
				10						
0		30	100	12						
					END OF BORING					
		32								
		34								
		36								
		38								
		40								

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

COMMENTS CONDUCTED BORING TO 30 FEET 12/19 THEN INSTALLED MW-1 TO 19 12/20
MW-1; 2.5 FEET STICKUP

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO. MW-2
Driller: Randy and Kevin		
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 1 of 2
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:

GROUNDWATER OBSERVATIONS				
Water Level				
Date				
Time				
Meas. From				

Weather: CLEAR, 27

Date/Time Start: DECEMBER 23, 1994, 0901

Date/Time Finish: DECEMBER 23, 1994, 1515

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				13	Dark brown, varied amount of f-c SAND, SILT and f-c GRAVEL,	GM	GROUT			
				21	Moist, no odor					
				12						
0.9		2	30	10						
				5	Brown, damp-moist, no odor					
				7						
				12						
0.0		4	20	31			SAND PACK			
				17	Moist					
				29						
				30						
0.0		6	70	39						
				17	Moist					
				18						
				17						
0.0		8	90	15						
				23	Wet at 8.0 ft, no odor					
				24						
				19						
0.0		10	50	25						
				15	Moist-wet					
				23						
				26						
0.0		12	80	24						
				23	Wet					
				19						
				18						
0.0		14	60	19						
				8	Brown SILT with fine-me. sand	ML				
				7			SEAL			
				8						
0.0		16	5	9						
				5	Olive-gray very fine sand, silt, and tr. clay, tr. coarse sand	ML-CL				
				7	moist-wet, no odor					
				7						
0.0		18	60	11						
	ST-1				Olive-gray					
				Shelby						
				Tube						
		20	1.4'/1.75'							

COMMENTS: CONDUCTED BORING TO 30 FEET 12/23 THEN INSTALLED MW-2 TO 19.0 ft on 12/23
MW-2; 2.5 ft STICKUP
BACKFILL BORING TO 20 FT., FILTER PACK START AT 20 FT., SCREEN AT 19 FT.

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO. MW-2
Driller: Randy and Kevin		
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 2 of 2
Rig Type: CME	PROJECT NUMBER 723844010l0	Location Description:

GROUNDWATER OBSERVATIONS

Water Level			
Date			
Time			
Meas. From			

Weather CLEAR, 27

Date/Time Start DECEMBER 23, 1994, 0901

Date/Time Finish DECEMBER 23, 1994, 1515

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				6	Light, olive-gray, varied amount SILT, very fine SAND, tr. clay	ML-CL				
				6	wet, no odor					
				6						
0.0		22	100	8						
				5	Wet					
				5						
				9						
0.0		24	90	11						
				2	Light, olive-gray, varied amount SILT, very fine SAND,	ML				
				2	wet, no odor					
				4						
0.0		26	30	5						
				6						
				6	27.1 ft.					
				4	Light, olive-gray, varied amount SILT, very fine SAND, tr. clay	ML-CL				
0.0		28	90	8	wet, no odor					
				4						
				4	29.2 ft.					
				6	Light, olive-gray, varied amount SILT, very fine SAND,	ML				
0.0		30	100	8	wet, no odor					
					END OF BORING					
		32								
		34								
		36								
		38								
		40								

BENTONITE BACKFILL

COMMENTS CONDUCTED BORING TO 30 FEET 12/23 THEN INSTALLED MW-2 TO 19.0 ft on 12/23
MW-2; 2.5 ft STICKUP
BACKFILL BORING TO 20 FT., FILTER PACK START AT 20 FT., SCREEN AT 19 FT.

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO. MW-3 MW-3
Driller: Randy and Kevin		
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 1 of 2
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather CLEAR, 28 (GOING TO 50)

Date/Time Start DECEMBER 22, 1994, 0949

Date/Time Finish DECEMBER 21, 1994, 1600 (INSTALL MW-3)

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				1	FILL; black pcs of coal, fine-coarse sand, silt, and fine gravel		GROUT		Coal Dust	
				2	moist, no odor (0 - 1.0 ft)					
				3	Brown fine-coarse sand, varied amt. silt and fine-coarse gravel,					
3.6		2	50	4	Moist, no odor					
				3		GM				
				4						
				10						
1.9		4	80	24			SAND PACK			
				18	Damp-dry, no odor					
				28						
				30						
4.8		6	70	30						
				18	Gray-brown, damp, no odor					
				27						
				34						
4.3		8	70	31						
				22	Brown, wet at 8.5 ft, no odor					
				24						
				26						
2.5		10	70	23						
				10	No recovery (10-12 ft), inferred from 12-14 ft.	ML-CL				
				10	Brown-tan varied SILT and very fine SAND content, trace clay seams					
				12	Fe staining, wet, no odor					
--		12	0	13						
				12	No clay seams	ML				
				14						
				12						
2.7		14	50	10						
				2						
				3						
				4	Light gray (15.2 ft)		SAND PACK			
1.8		16	60	4	wet, no odor					
				5						
				4						
				5						
2.1		18	70	5	Tan-gray to tan-brown (17.0 ft)					
				4						
				4						
				4						
0.8		20	10	4						

COMMENTS CONDUCTED BORING TO 30 FEET 12/22 THEN INSTALLED MW-3 TO 19.0 ft on 12/22
MW-3; 2.5 ft STICKUP
WELL INSTALLED IN ADJACENT BORING, 30 FT BORING GROUTED TO SURFACE

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO.	MW-3 MW-3
Driller: Randy and Kevin			
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 2 of 2	
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:	

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather: CLEAR, 28 (GOING TO 50)

Date/Time Start: DECEMBER 22, 1994, 0949

Date/Time Finish: DECEMBER 21, 1994, 1600 (INSTALL MW-3)

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				3	Light, olive-gray, varied SILT, Clay and very fine SAND content	ML-CL				
				2	wet, no odor					
				5						
2.2		22	80	6						
				4						
				6						
				7	Alternating seams and small layers at 23.4 ft.					
1.7		24	80	15	wet, no odor	ML-CL				
				3						
				3						
				5						
2.1		26	50	7						
				10						
				7						
				12						
1.8		28	80	12						
				5						
				6						
				7		ML				
1.0		30	100	7						
					END OF BORING					
		32								
		34								
		36								
		38								
		40								

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

COMMENTS: CONDUCTED BORING TO 30 FEET 12/22 THEN INSTALLED MW-3 TO 19.0 ft on 12/22
MW-3; 2.5 ft STICKUP
WELL INSTALLED IN ADJACENT BORING, 30 FT BORING GROUTED TO SURFACE

Contractor: SJB SERVICES,INC.	**PARSONS ENGINEERING SCIENCE**	BORING/ WELL NO. MW-4D
Driller: Ron, Randy, and Kevin	DRILLING RECORD	
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 1 of 3
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather CLOUDY, 34

Date/Time Start DECEMBER 20, 1994, 1315 (0-44 FT)

Date/Time Finish DECEMBER 21, 1994, 1330 (INSTALL MW-4D & MW-4)

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				8	FILL; black pcs of coal, fine-coarse sand, silt, and fine gravel				Coal	
				12	moist, no odor (tan at 2.0 ft)				Dust	
				11						
8.4		2	60	13						
				7	Tan-Brown SILT with fine-coarse gravel, little sand	GM				
				7	moist, (wet in tip of spoon), no odor (possible fill)					
				13						
6.0		4	50	15						
				12						
				6						
				6	Light brown-tan, very fine SAND with silt, some Fe (orange) staining	ML				
10.2		6	50	6	wet, no odor					
				6						
				7						
				9						
10.0		8	80	7						
				5						
				6						
				8						
11.1		10	80	8						
				2						
				4						
				8	Tan clayey SILT, moist (11.0 - 11.3 ft)	ML-CL				
12.3		12	80	8						
				7	Brown-tan to gray very fine to fine SAND with varied silt content	ML				
				6	wet, no odor					
				7	Gray-brown (15.0 ft)					
8.1		14	80	9						
				2						
				3						
				5						
3.1		16	80	5						
				5						
				7						
				10						
2.1		18	90	11	Tan-brown (17.7 ft)					
				3						
				3						
				4	Light olive gray (19.2 ft)					
3.3		20	90	5						

COMMENTS CONDUCTED BORING TO 46 FEET 12/20 THEN INSTALLED MW-4D TO 41.5 ft on 12/21
MW-4D; 2.5 ft STICKUP
MW-4 INSTALLED TO 19 FT (WELL PAIR)

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE	BORING/ WELL NO.	MW-4D
Driller: Ron, Randy, and Kevin	DRILLING RECORD		MW-4D
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 2 of 3	
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:	

GROUNDWATER OBSERVATIONS				
Water Level				
Date				
Time				
Meas. From				

Weather: CLOUDY, 34

Date/Time Start: DECEMBER 20, 1994, 1315 (0-44 FT)

Date/Time Finish: DECEMBER 21, 1994, 1330 (INSTALL MW-4D & MW-4

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				4	Olive-gray very fine to fine SAND with varied silt content	ML				
				3	wet, no odor					
				4						
1.8		22	90	4						
				5						
				4						
				6	23.6 ft					
1.0		24	90	8	Light olive-gray alternating seams of fine SAND, SILT, and CLAY	ML-CL				
				2	wet, no odor					
				4						
				5	Gray-brown fine SAND w/ few seams of light gray fine sand, trace silt	ML				
1.5		26	90	5	wet, no odor		SAND			
				6						
				6	Gray fine SAND w/ trace silt	ML				
				5	Gray fine SAND, SILT, and CLAY, wet no odor	ML-CL				
1.7		28	90	8						
				2	Light olive-gray fine SAND w/ little silt	ML				
				3	wet, no odor					
				3						
2.0		30	80	4						
				1	Same as above w/ few clay seams					
				2	wet, no odor	ML-CL				
				4						
1.0		32	70	2						
				6	Light olive-gray fine SAND w/ varied silt content	ML				
				6	wet, no odor					
				7						
1.1		34	90	7						
				6						
				5						
				7						
0.8		36	90	8						
				11	36.5 ft					
				18						
				38	Dense, light olive-gray fine SAND and varied SILT content, some	ML-GM				
0.0		38	100	41	rounded fine gravel, trace coarse sand					
				11	damp-moist, no odor					
				16			SAND			
				26						
0.5		40	70	31	Dense, light olive-gray fine SAND and varied SILT content	ML				
					damp, no odor					

COMMENTS: CONDUCTED BORING TO 46 FEET 12/20 THEN INSTALLED MW-4D TO 41.5 ft on 12/21
MW-4D; 2.5 ft STICKUP
MW-4 INSTALLED TO 19 FT (WELL PAIR)

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	**PARSONS ENGINEERING SCIENCE**	BORING/ WELL NO. MW-4D
Driller: Ron, Randy, and Kevin	**DRILLING RECORD**	MW-4D
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 3 of 3
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather CLOUDY, 34

Date/Time Start DECEMBER 20, 1994, 1315 (0-44 FT)

Date/Time Finish DECEMBER 21, 1994, 1330 (INSTALL MW-4D & MW-4)

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cs	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		40								
				12	Dense, light olive-gray fine SAND and varied SILT content	ML				
				13	damp, no odor					
				100/.5						
0.8		42	50		Same as above w/ coarse rounded gravel stones (41.6-42.0 ft)	ML-GM				
				11	Dense, light olive-gray SILT w/ trace very fine sand	ML				
				13	damp, no odor					
				18						
0.0		44	60	25						
					END OF BORING					
0		46								
0		48								
0		50								
0		52								
0		54								
0		56								
0		58								
0		60								

COMMENTS CONDUCTED BORING TO 46 FEET 12/20 THEN INSTALLED MW-4D TO 41.5 ft on 12/21
MW-4D; 2.5 ft STICKUP
MW-4 INSTALLED TO 19 FT (WELL PAIR)

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	**PARSONS ENGINEERING SCIENCE**	**BORING/ WELL NO.**	MW-4D
Driller: Randy and Kevin	DRILLING RECORD		MW-4
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 1 of 1	
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:	

GROUNDWATER OBSERVATIONS				
Water Level				
Date				
Time				
Meas. From				

Weather: CLEAR, 25

Date/Time Start: DECEMBER 21, 1994, 1400

Date/Time Finish: DECEMBER 21, 1994, 1605

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0			SUBSURFACE DESCRIPTIONS FROM MW-4D LOG					
				8	FILL; black pcs of coal, fine-coarse sand, silt, and fine gravel				Coal	
				12	moist, no odor (tan at 2.0 ft)				Dust	
				11						
8.4		2	60	13						
				7	Tan-Brown SILT with fine-coarse gravel, little sand	GM				
				7	moist, (wet in tip of spoon), no odor (possible fill)					
				13						
6.0		4	50	15			SAND PACK			
				12						
				6						
				6	Light brown-tan, very fine SAND with silt, some Fe (orange) staining	ML				
10.2		6	50	6	wet, no odor					
				6						
				7						
				9						
10.0		8	80	7						
				5						
				6						
				8						
11.1		10	80	8						
				2						
				4						
				8	Tan clayey SILT, moist (11.0 - 11.3 ft)	ML-CL				
12.3		12	80	8						
				7	Brown-tan to gray very fine to fine SAND with varied silt content	ML				
				6	wet, no odor					
				7	Gray-brown (15.0 ft)					
8.1		14	80	9						
				2						
				3						
				5						
3.1		16	80	5						
				5						
				7						
				10						
2.1		18	90	11	Tan-brown (17.7 ft)					
				3						
				3						
				4	Light olive gray (19.2 ft)					
3.3		20	90	5						

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

COMMENTS: CONDUCTED BORING TO 46 FEET 12/20 THEN INSTALLED MW-4D TO 41.5 ft on 12/21
MW-4D AND MW-4; 2.5 ft STICKUP

PARSONS ENGINEERING SCIENCE
DRILLING RECORD

BORING/ WELL NO. MW-5

Contractor: SJB SERVICES,INC.
Driller: Ron and Kevin
Inspector: Richard S. Moravec
Rig Type: CME

PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY
PROJECT NUMBER 72384401010

Sheet 1 of 2
Location Description:

GROUNDWATER OBSERVATIONS

Water Level				
Date				
Time				
Meas. From				

Weather CLEAR, 15
Date/Time Start DECEMBER 27, 1994, 1445
Date/Time Finish DECEMBER 28, 1994, 1020

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				21	Brown-tan, f-c GRAVEL,some sand, dark staining with slag at 1.5 ft.	FILL	GROUT			
				27	(Fill), damp-dry, no odor					
				23						
2.1		2	70	19						
				11	Dark gray, fine SAND, SILT and little fine GRAVEL to 2.5 ft.,moist					
				13	Brown-tan, varied amount of f-c SAND, SILT and f-c GRAVEL,	GM				
				23	damp-dry, no odor					
2.8		4	50	20			SAND PACK			
				11	Wet at 4.3 ft.					
				13						
				16						
1.7		6	50	13						
				18	Moist-wet					
				17						
				18						
0.8		8	60	14						
				7	Gray-brown, damp-moist					
				11						
				15						
1.9		10	50	12						
				13	No recovery, spoon wet					
				10						
				11			SAND			
1.9		12	0	9	12.2 FT.					
				10	Tan-brown fine SAND, tr. silt	SW				
				7	damp, no odor					
				8						
2.2		14	100	8						
				2						
				3						
				3	Tan-brown very fine SAND and SILT, tr. clay	ML-CL				
2.8		16	90	5	wet, no odor					
				5	16.4 ft.					
				6	Tan-brown very fine SAND and SILT	ML	BACKFILL			
				8	wet, no odor					
3.1		18	100	9						
	ST-1			2						
				2						
				4						
2.0		20	60	5						

COMMENTS CONDUCTED BORING TO 30 FEET 12/27 THEN INSTALLED MW-5 TO 15.0 ft on 12/28
MW-5; 2.5 ft STICKUP
BACKFILL BORING TO 15.5 FT., FILTER PACK START AT 15.5 FT., SCREEN AT 15.3 FT.

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Contractor: SJB SERVICES,INC.	PARSONS ENGINEERING SCIENCE DRILLING RECORD	BORING/ WELL NO.	MW-5 MW-5
Driller: Ron and Kevin			
Inspector: Richard S. Moravec	PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY	Sheet 2 of 2	
Rig Type: CME	PROJECT NUMBER 72384401010	Location Description:	

GROUNDWATER OBSERVATIONS			
Water Level			
Date			
Time			
Meas. From			

Weather CLEAR, 15

Date/Time Start DECEMBER 27, 1994, 1445

Date/Time Finish DECEMBER 28, 1994, 1020

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				2	Wet, tr. silt	ML				
				2						
				5						
2.2		22	60	7			BENTONITE			
				6	Wet					
				9						
				10						
2.4		24	100	11	23.8 ft.					
				2	Gray very fine SAND and SILT	ML				
				4	wet, no odor					
				5	Alternating, gray, very fine SAND and SILT, tr. clay, wet no odor	ML-CL				
2.8		26	90	7	wet, no odor					
				6						
				9	Brown fine SAND, tr. silt	SW	BACKFILL			
				10	wet, no odor					
2.0		28	80	9						
				4						
				6						
				9						
2.1		30	70	9						
					END OF BORING					
		32								
		34								
		36								
		38								
		40								

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

COMMENTS CONDUCTED BORING TO 30 FEET 12/27 THEN INSTALLED MW-5 TO 15.0 ft on 12/28
MW-5; 2.5 ft STICKUP
BACKFILL BORING TO 15.5 FT., FILTER PACK START AT 15.5 FT., SCREEN AT 15.3 FT.

Contractor: SJB SERVICES,INC. Driller: Ron and Kevin Inspector: Richard S. Moravec Rig Type: CME	**PARSONS ENGINEERING SCIENCE** DRILLING RECORD PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY PROJECT NUMBER 72384401010	**BORING/ WELL NO.** MW-6 MW-6 Sheet 1 of 2 Location Description:

GROUNDWATER OBSERVATIONS						
Water Level					Weather CLEAR, 15	LOCATION PLAN See Site Plan
Date					Date/Time Start DECEMBER 27, 1994, 0955	
Time						
Meas. From					Date/Time Finish DECEMBER 28, 1994, 1355	

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		0								
				2	Dark brown, fine sand, some reddish sand, (pc. of wood, refusal)	FILL	G			
				50/.5	(Fill), damp, no odor		R			
							O			
3.0		2	30				U			
				3	Tan-brown, varied amount of SILT, and very fine SAND		T			
				4	damp, no odor	ML				
				4						
0.0		4	70	7			S			
				3			A --			
				5	5.1 ft.		N --			
				4	As above w/ f-c GRAVEL, 5.1 - 5.7 ft.	GM	D --			
0.8		6	60	5	Wet at 5.7 ft.		--			
				3	Tan-brown, varied amount of SILT, and very fine SAND	ML	P --			
				4	wet, no odor		A --			
				3	As above w/ f-c GRAVEL, 6.7 - 7.2 ft.	GM	C --			
6.5		8	80	3	Tan-gray fine SAND and SILT to 7.6 ft. then dark gray w/ peat	ML-PT	K --			
				2	Gray-olive gray, various amounts of fine SAND, GRAVEL, SILT	GM	--			
				1	wet, no odor		--			
				2			--			
3.8		10	30	10			--			
				6	Tan-brown, wet		--			
				7			S --			
				7			A --			
1.3		12	50	8			N --			
				7			D --			
				9			--			
				8			P --			
1.0		14	30	8			A --			
				12			C			
				7			K			
				7						
1.0		16	40	10	Tan-brown very fine SAND and SILT, tr. clay	ML-CL				
				15	moist, no odor					
				13		ML	B			
				13	17.3 ft.		A			
2.6		18	80	13	Brown fine SAND, tr. silt (dark br. oxidation stains)	SW	C			
	ST-1			4	damp-dry, no odor		K			
				7			F			
				8	Wet at 19.6 ft., no odor		I			
2.0		20	50	11			L			
							L			

SS - SPLIT SPOON
A - AUGER CUTTINGS
C - CORED

COMMENTS: CONDUCTED BORING TO 30 FEET 12/27 THEN INSTALLED MW-6 TO 14.0 ft on 12/27
MW-6; 2.5 ft STICKUP
BACKFILL BORING TO 15.0 FT., FILTER PACK START AT 15.0 FT., SCREEN AT 14.0 FT.

Contractor: SJB SERVICES,INC.
Driller: Ron and Kevin
Inspector: Richard S. Moravec
Rig Type: CME

PARSONS ENGINEERING SCIENCE
DRILLING RECORD

BORING/ WELL NO. MW-6

PROJECT NAME NYSDEC FRIENDSHIP FOUNDARY
PROJECT NUMBER 72384401010

Sheet 2 of 2
Location Description:

GROUNDWATER OBSERVATIONS

Water Level			
Date			
Time			
Meas. From			

Weather CLEAR, 15
Date/Time Start DECEMBER 27, 1994, 0955
Date/Time Finish DECEMBER 28, 1994, 1355

LOCATION PLAN
See Site Plan

PID/FID Reading	Sample I.D.	Sample Depth	Percent Recovery	Blow Cts	MATERIAL IDENTIFICATION	USCS CLASSIF.	WELL LOG	STAIN	SHEEN	FREE PHASE
		20								
				7	Wet, tr. silt	SW				
				8						
				9			BENTONITE			
1.8		22	60	11						
				8	Wet, tr. silt					
				6						
				7						
2.2		24	60	8						
				3						
				2						
				3	Fe staining,wet, no odor (tr. clayey silt seam at 25.7 ft.)	ML-CL				
2.8		26	90	4	Alternating seams/small layers; (brown sand and silt 25.7 – 25.9 ft.)					
				5	Small layers/seams of gray and brown very fine SAND, SILT and		BACKFILL			
				6	CLAY to 27.5 ft.					
				7	wet, no odor					
2.0		28	100	7	Gray very fine SAND, tr. silt					
				1	wet, no odor					
				2						
				4	29.9 ft.					
1.7		30	80	7	Tan – brown very fine SAND and SILT, wet, no odor					
					END OF BORING					
		32								
		34								
		36								
		38								
		40								

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

COMMENTS CONDUCTED BORING TO 30 FEET 12/27 THEN INSTALLED MW-6 TO 14.0 ft on 12/27
MW-6; 2.5 ft STICKUP
BACKFILL BORING TO 15.0 FT., FILTER PACK START AT 15.0 FT., SCREEN AT 14.0 FT.

APPENDIX C

USEPA REPORT

U.S. ENVIRONMENTAL PROTECTION AGENCY, REGION II

POLLUTION REPORT

I. HEADING

Date: May 20, 1992

From: Jack D. Harmon, OSC
Region II, Removal Action Branch

To: C. Sidamon-Eristoff, EPA
K. Callahan, EPA
R. Salkie, EPA
J. Marshall, EPA
G. Zachos, EPA
J. Rotola, EPA
A. Schmandt, EPA
M. Basile, EPA
S. Becker, EPA
ERD - Washington (E-mail)
M. O'Toole, NYSDEC
G. Sutton, NYSDEC
R. Tuers, NYSDOH
J. Tucker, Allegany Co. OES
C. Schneider, Friendship
Friendship Volunteer Fire Department
TAT

Subject: Friendship Foundry #1, Friendship, Allegany County, New York

POLREP #: Nine (9) and Final

II. BACKGROUND

Site No.: 7F
Delivery Order No.: 0016-02-019
Response Authority: NCP/CERCLA
NPL Status: Non-NPL
Start Date: August 7, 1991
Demobilization Date: May 1, 1992
Completion Date: May 1, 1992

III. SITE INFORMATION

A. Situation

See previous POLREPS 1-8.

B. Actions Taken

1. On April 9, 1992, twelve drums of waste flammable/combustible liquids and ten drums of waste

corrosive liquids were shipped for off-site disposal through chemical treatment.

2. On April 14, 15 and 16, 1992, a total of 13 truck loads of foundry sand/soil/debris were shipped off-site for landfilling within a chemically secure cell. These 13 truck loads brought the total number of loads to 49 and represented 2,076,850 pounds. On April 14, 1992, two truck loads representing forty cubic yards of hard rock phenolic resins were shipped for off-site disposal within a chemically secure cell. These two loads brought the total 120 cubic yards.

3. 15,550 pounds of recyclable foundry products were shipped off-site on April 22, 1992. These foundry products consisted of silica sand, refractory cement and graphite. This shipment coupled with a prior shipment, brought the total amount of material sent for reuse/recycling to 27,850 pounds.

4. On April 24, 1992, two drums of waste ractive corrosive solids and two drums of waste reactive corrosive liquids were shipped for off-site treatment. In addition, 112 empty drums were shipped off-site for recycling which brought the total number of recycled empty containers to 840, 590 55-gallon drums and 250 five-gallon containers. Also on this date, a local scrap metal contractor initiated the demolision and scrapping the cupola unit on the north west corner of the foundry building.

5. On April 27, 1992, the rear portion of the foundry property was hydroseeded to promote vegetation and reduce runoff of storm water during episodes of heavy downfall and/or snow melt.

6. 24 drums of PCB contaminated waste oil were shipped for off-site incineration on April 29, 1992. In addition, one 30 cubic yard roll-off of phenolic based hard rock resins was shipped for off-site landfilling within a chemically secure cell, bringing the total to 150 cubic yards.

7. On April 30, 1992, 96 drums of waste flammable liquids were shipped for off-site fuels blending. In addition, 1,500 gallons of decontamination water were treated on-site through granular activated carbon (GAC). A sample of the effluent was collected and analyzed. Acceptable discharge results were received and the decontamination water was discharged into the local storm sewer system.

8. The ERCS contractor completed policing the property and securing all possible points of entry into the property prior to demobilizing on May 1, 1992. The date of May

1, 1992 is the effective date of completion for this removal action.

The following is a table that itemizes the types of wastes and their associated volumes/weights shipped off-site during the course of this removal action.

Waste Type	Volume/Weight	TSDF	Method of Disposal
Labpacks	9045 P	ENSCO	Incineration
Waste flammable/ corrosive liquid	110 G	CWM - Model City	Treatment/ Incineration
Waste combustible liquid	55 G	CWM - Model City	Chemical Treatment
Waste flammable liquid	605 G	CWM - Model City	Chemical Treatment
Waste alkaline liquid	550 G	CWM - Model City	Chemical Treatment
Waste corrosive reactive solid	600 P	BDT	Chemical Treatment
Waste corrosive reactive liquid	110 G	BDT	Chemical Treatment
Waste PCBs oil	5000 K	APTUS	Incineration
Waste flammable liquid	5285 G	CWM - SRR	Fuel blend/ incineration
Phenolic based foundry sand	1038 T	CWM - Model City	Landfill
Phenolic hard rock resins	150 CY	CWM - Model City	Landfill
Phenolic powdered resins	22,500 P	CWM - Model City	Landfill
Empty containers	590 55-G 250 5-G	Feldman	Recycle
Scrap metal	62 T	Christy & Son	Recycle
Foundry products	27,850 P	Hickman - Williams	Reuse/ recycle

C. Next Steps

1. Upon completing an on-site inspection by representives from the NYSDEC, Chief of Removal Action Branch Section B and the OSC, a closure memorandum will be submitted to the NYSDEC by the EPA which relinquishes itself as the lead agency.

2. The OSC is waiting for Certificates of Disposal verifying the final disposition of all wastes.

3. Work has been initiated on the On-Scene Coordinators Report and is expected to be distributed by July 1, 1992.

D. Results Achieved

1. All hazardous materials have been removed from the site for disposal at RCRA permitted TSDs. The threats that these materials presented have been eliminated.

IV. Cost Information

Cost to Date: 04/30/92	
ERCS Contractor:	1,100,000
TAT Contractor:	49,170
EPA:	94,688
Total:	1,243,858
Project Ceiling:	1,961,000
Project Funds Remaining:	37%

This does not represent final project cost.

FINAL POLREP ___X__ FURTHER POLREPS FORTHCOMING_____

SUBMITTED BY: Jack D. Harmon

Jack D. Harmon, OSC
Removal Action Branch

DATE: 5/21/92

APPENDIX D

HISTORICAL CORRESPONDENCE

K Hunt

New York State Department of Environmental Conservation
600 Delaware Avenue Buffalo, New York 14202-1073

Thomas C. Jorling
Commissioner

August 8, 1988

Mr. Henry Mayo
President
Friendship Foundry
10 Howard Street
Friendship, New York 14739

Dear Mr. Mayo:

Notice of Violation

This Office conducted an inspection of your facility on July 28, 1988 and observed several violations.

All three baghouses located at the Howard Street plant were found to be in violation of Part 201.7(b). We found piles of particulates under the baghouse hoppers and open containers of particulates around the yard. This situation allows wind to pick up the particulates and blow them off property. Part 201.7(b) states "No person shall remove collected air contaminants from an air cleaning device or shall recycle, salvage, or dispose of such contaminants in a manner so as to reintroduce them to the outdoor atmosphere to cause air pollution." You stated that all of the baghouse waste would be cleaned up by my next inspection.

Also, the practice of dumping used foundry sand outdoors across from the office must be discontinued. This practice allows the wind to blow the particulates off property as well as exposes the storm sewer to phenol runoff during rains. We request that this material be stored inside the plant and hauled to the landfill on a daily or weekly basis.

The middle baghouse was observed as emitting opacity as high as 40% during my inspection. This is a violation of Part 212.5. You stated that a bag failure was responsible for the excessive opacity and that the unit would be serviced on July 29, 1988.

During our discussion concerning the baghouses, you stated that only about a dozen spare bags are on site for these units. We strongly insist that a more extensive inventory of spare parts and bags be on site to minimize downtime and/or violations.

We discussed the operation of the smoke room during this inspection as well as my prior July 15, 1988 visit. You stated that the no-bake molds are allowed to cool from three to eight hours and often as long as 24 hours. It is our understanding that odors are released during this entire cooling process. Therefore, the temporary solution to control these odors was to contain these molds in a room, capture the emissions, and treat the discharged air. However, Mr. Jerry Brown, the day foreman, stated that the Vaportek spray nozzle system is routinely turned off when no visible emission is present in the room. We strongly disapprove of this practice. The odor is not only generated during the release of smoke, but during the entire cooling process. Since you are pouring no-bake molds during each shift, you are introducing hot molds in the smoke room on each shift.

Therefore, the exhaust fan and Vaportek spray system associated with the smoke room is to be operating whenever molds and castings are cooling in the smoke room.

Regarding step 7 in the Consent Order that is due October 1, 1988, we request that if you propose to utilize the thermal sand reclaimer as discussed previously, the following information be submitted by September 1, 1988.

1. The name and address of the facility in which the thermal sand reclaimer was operated.

2. Supporting data from the facility to indicate its effectiveness in operating in compliance.

We have yet to receive the cyanide data as requested in our letters of May 9, 1988 and July 12, 1988. This [redacted] is to be submitted no later than [redacted], 1988.

You stated that your engineering consultant, Mr. Robert Chaffee, would be submitting a plot plan of the facility showing the location of the emission points on the roof. This should be included in your August 19, 1988 submittal.

Although you are, with our approval, more than two months behind in complying with step 4A of the Order, we advise you not to expect an extension of the date for step 7. We believe ample time has been allotted to comply with step 7 of the Order. You are reminded that penalties may be assessed for violating the terms of the Order by not meeting a scheduled date. Please note that step 7 requires the submission of an approvable application. Thus, the application must be complete when submitted.

We are concerned about odorous emissions from the ventilators above the conveyorized pour line and the hot shell mold muller and pug mill. We are also concerned about odors emitted from the shakeout operation associated with the conveyorized pour line. The level of activity in this area of the plant has increased greatly since we first addressed the plant odor emissions. We will contact you in the near future to arrange discussions on abating odor emissions from these sources.

Your continued cooperation is greatly appreciated.

Very truly yours,

Thomas Szymanski

Thomas Szymanski
Principal Engineering
Technician

TS:ec
cc: Mr. James Charles
Mr. James McGarry
Mr. Kevin Hintz
Mr. Mark Jackson

Joe Ryan
Tom Johnson TJ
Sampling at Sam Nicholas Pond
(Friendship Foundry)

August 10, 1988

On August 3, 1988 I traveled to the town of Friendship, N.Y. The purpose of the visit was to examine and sample pond sediment on the property of Sam Nicholas. The pond in question is located on the property at the corner of Maple and Howard Streets. Mark Jackson of the water division was also present to collect water samples from the pond.

We arrived in Friendship at approximately 11:00 a.m. We first surveyed possible sampling points along the storm sewer system in question. The water in this system flows past Friendship Foundry, along Howard Street and under the Nicholas property. We found an area south of the foundry which had a buildup of a sludgy material. This area was sampled after our pond samples were taken and is labeled sample #04.

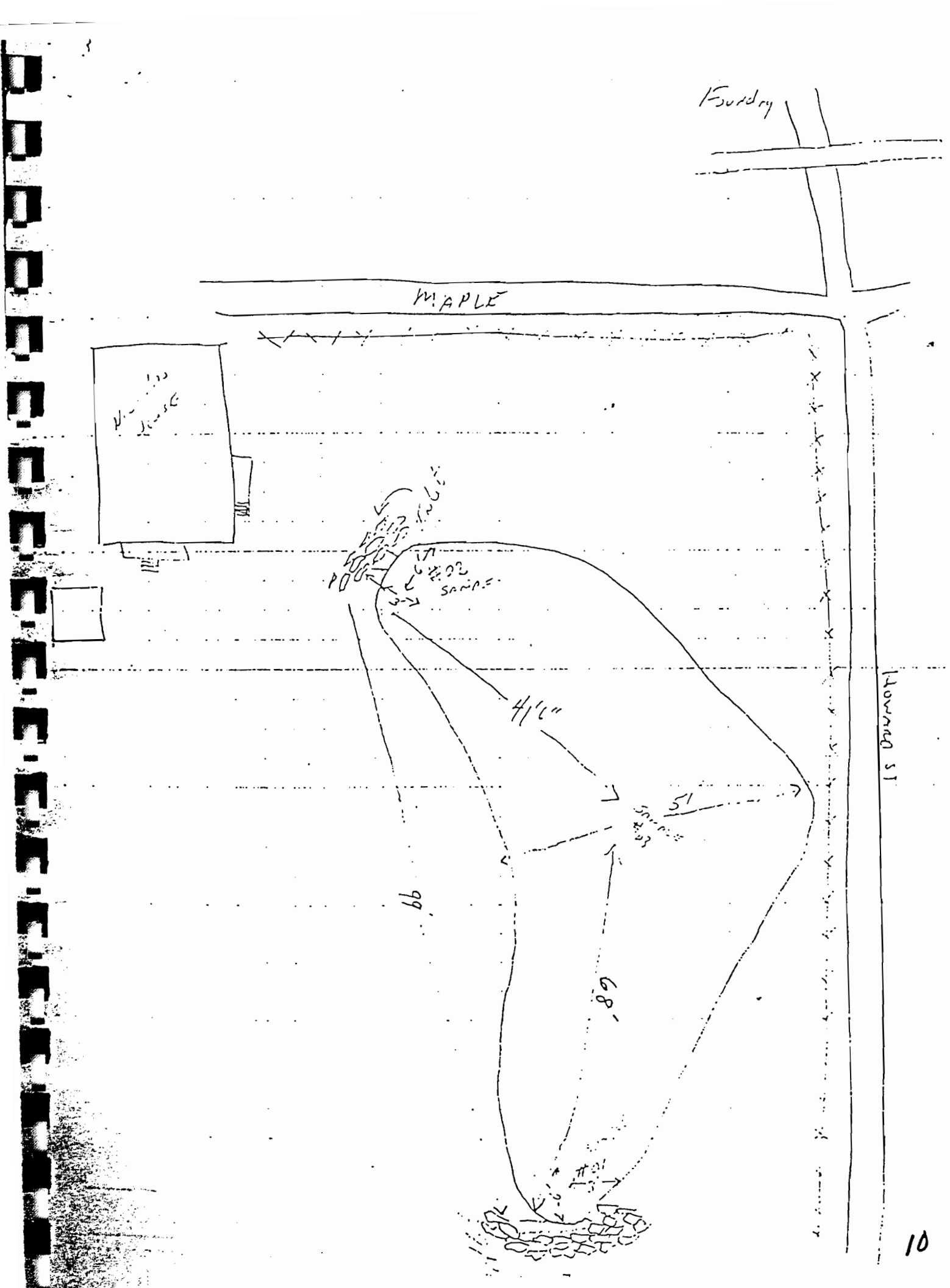
Mrs. Nicholas met us when we arrived at the property. She informed us of poor water quality in the pond during heavy rainfalls and acrid odors from the pond during hot stagnant days. Apparent oil sheens also show up on the surface of their pond after heavy rainfalls. She also expressed concern of her daughter's skin rashes which arose after wading in the pond.

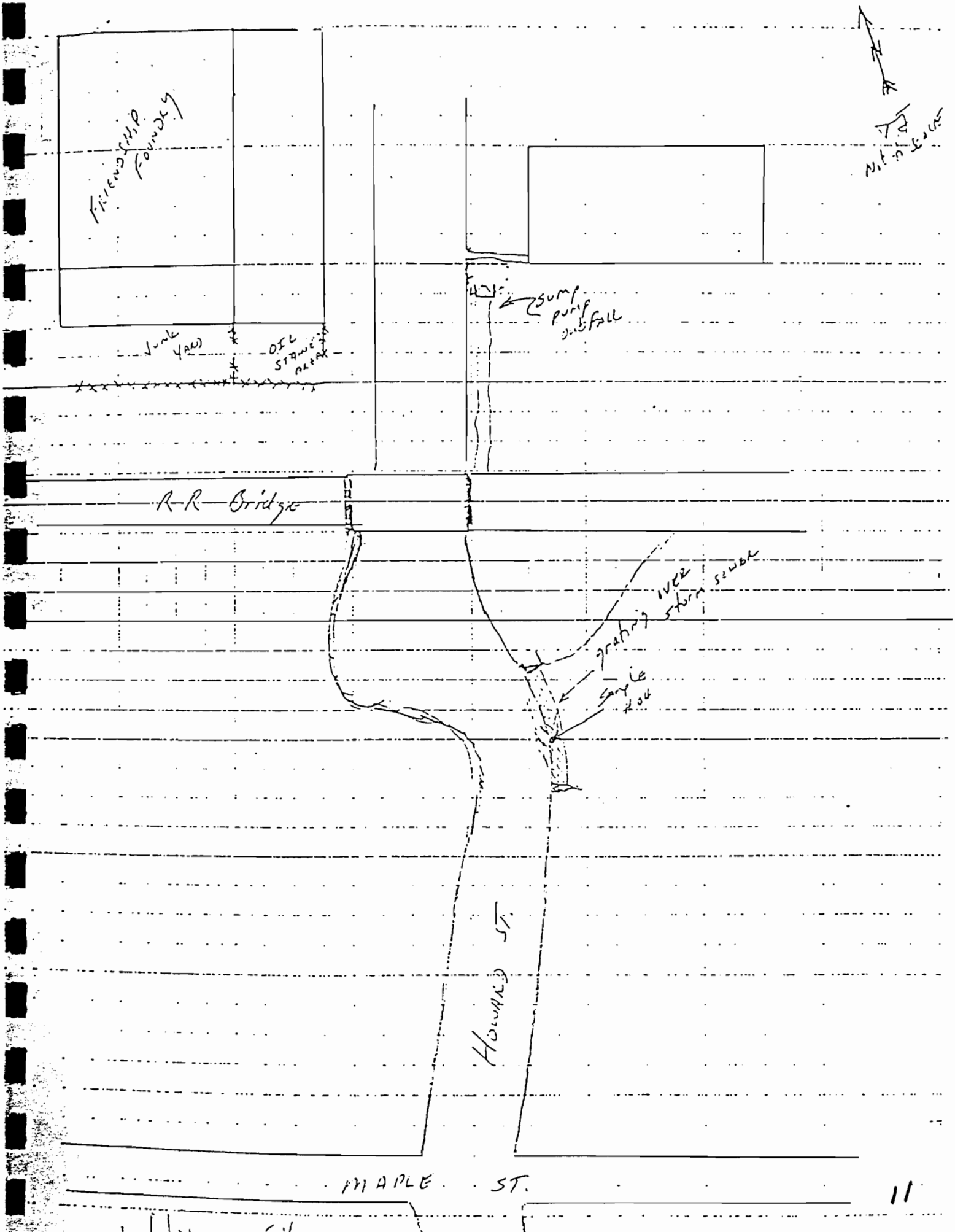
A measurement of the pond size was taken and a sketch of the sampling points are on the attached diagram. The inlet and outlet points of the pond were distinguishable by the rock formation created by the designer of the pond. Openings in the underground drainage pipe were visible near these rocks. Sediment sample #01 was taken at the outlet area while sediment sample #02 was taken at the inlet area. Sample #03 was taken in the middle of the pond and also consisted of the upper layer of sediment. Water samples were taken by Mr. Jackson before the sediment sampling to reduce the possibility of sample contamination.

Sample #'s 01, 02, and 04 will be analyzed for PCB's in sediment while sample #03 will be run for the full TCL list. The water samples will be run for PCB's, phenols and formaldehyde.

TJ/mf
Attachments

cc: Mark Jackson - Division of Water
Otto Tertinek - BECI


Laundry
MAPLE
HOWARD ST
41'6"
51'
99'
68'


FRIENDSHIP FOUNDRY
SUMP PUMP OUTFALL
R-R Bridge
HOWARD ST.
MAPLE ST.

600 Delaware Avenue, Buffalo, NY 14202-1073

August 16, 1988

Mr. Samuel Nicholas
6 Maple Avenue
Friendship, NY 14739

Dear Mr. Nicholas:

This is in response to your August 10, 1988 telephone conversation with Mr. Thomas Johnson of this office. The purpose of your call was to request results for samples collected by this department on July 26, 1988 of wastes discharged from the Friendship Foundry to the stream which is (was) used by you for feedwater for your pond. The results are tabulated below:

Sample Location	Matrix	Compound Present	Concentrations
Sump-capacitor area	Water at top	PCB (Arochlor 1232)	8.3 PPB 370 PPB(duplicate)
Sump-capacitor area	Sediment in bottom	PCB (Arochlor 1242)	4200 PPM
Stream in front of office	Sediment	PCB (Arochlor 1242)	2.7 PPM

*Duplicate analysis - sample contained more turbidity.

We will be in touch with you when we receive the results for samples we collected from your pond on August 3, 1988. In the meantime, it would be helpful for our assessment if you would share the analytical results for any sampling you have done.

Should you have any questions, please feel free to contact me (716 847-4582).

Very truly yours,

E. Joseph Sciascia

E. Joseph Sciascia, P. E.
Senior Sanitary Engineer
Division of Environmental Enforcement

EJS/mf

00100

cc: Ronald Tramontano, NYSDOH
Al Vossler, Allegany Health Dept.
J. Spagnoli, Region 9
J. Gould, Esq., DEE

Call DEC:

New York State Department of Environmental Conservation
600 Delaware Avenue, Buffalo, New York 14202

Thomas C. Jorling
Commissioner

M E M O R A N D U M

TO: Mr. John J. Spagnoli

FROM: Mr. James L. McGarry

SUBJECT: FRIENDSHIP FOUNDRY ENVIRONMENTAL PROBLEM STATUS REPORTS

DATE: September 16, 1988

The subject foundry has signed a consent order to abate odor emissions that are causing a problem in the neighborhood. Some air emission problems remain that must be addressed in an order. In addition, there exist environmental problems related to solid and hazardous waste and water quality which must be resolved. The following is a status report on the various problems:

Solid Waste

1. Storage and disposal of used mold sand -

   a. Storage - molds and sand are stored temporarily on a concrete pad across Howard Street from the plant office and next to a block building. This procedure is approved by the Department of Environmental Conservation (DEC).

Mr. Kevin Hintz, in a letter to the firm dated August 1, 1988, requested the firm to install a curb around the pad in order to prevent contaminated rain runoff. More frequent removal of the used sand was also requested. The letter also stated that additional measures may be needed if these actions were not adequate.

   b. Disposal - the used sand is being legally disposed of at the Allegany County landfill in the Town of Angelica.

2. Old drums in plant yard - The drums with material have been emptied and are now stored in the block building with other drums. This is with the approval of the Bureau of Environmental Conservation Investigation

(BECI). The material from the drums has been properly disposed of.

3. Plant yard - The area where the drums were stored must be cleaned up. Some soil is contaminated and must be removed. Lt. Otto Tertinek of BECI will inspect and make a legal referral if not in compliance.

4. Sump in basement - Excessive polychlorinated biphenyl (PCB) concentrations have been found in the sump and corrective action is needed. Lt. Otto Tertinek of BECI will inspect in the near future and determine if the sump has been filled in as rumored. If filled in, this situation will be referred for legal action as well as the excessive PCB levels.

5. Drainage ditch near plant and Mr. Samuel Nicholas' pond - Mr. Thomas Johnson of the Division of Environmental Enforcement (DEE) collected sludge samples at these two locations on August 3, 1988 and sent them to a contract lab in Boston to be analyzed for Target Compound List contaminants. He expects the results by September 23, 1988. If concentrations are excessive, this will be referred for legal action along with Lt. Tertinek's referral mentioned above.

Water Resources

1. Water discharges - firm is currently operating without a required State Pollutant Discharge Elimination System (SPDES) permit. Firm has made several applications for permit and latest submission was found to be incomplete on August 5, 1988. A revised application was requested by August 31, 1988. If the application is not received as requested, this will be referred for legal action.

2. Mr. Nicholas' pond, Maple Avenue and Howard Street - The pond water was sampled for PCB's, phenols, and formaldehyde on August 3, 1988 and none was found.

3. Sump in basement - Two ground water infiltration areas have been contained by curbing and the collected water is being pumped outside the plant. Water collecting in the sump is pumped to a barrel for collection and disposal. A block curb has been constructed on the floor under the capacitors to contain any PCB leakage.

Air Resources

1. Two odor abatement arrangements have been installed per terms of the Consent Order and are operating. However, the results are not satisfactory. One arrangement appears to be inadequate, and the other is probably not being operated properly. More information has been

requested from the firm to help us evaluate the performance.

2. The application for the permanent odor abatement arrangement on no-bake casting, cooling and mold breakdown is due October 1, 1988 per terms of the Consent Order. There are indications that the application will not be submitted on-schedule, even though we have warned the firm of the importance of this step.

3. Another source of odor has been recognized at the plant. Ventilators above a conveyorized casting line are now emitting significant contaminants because of increased production at the foundry. These sources must be abated and we have referred them for legal action.

4. Baghouse collector maintenance - Inspections have shown that much better maintenance must be performed on the baghouse collector and surrounding area. This has been referred for legal action.

5. Grinder and Buffer in Plant #3 - These sources are operating without Certificate to Operate. We requested applications for these sources and they were submitted on March 7, 1988. The applications were incomplete and returned to the firm. Revised applications were requested by July 27, 1988. They have not been received by this office.

6. There are reports of the firm storing hot, smoking, foundry waste in the concrete pad across Howard Street from the plant. This practice must cease since air pollution results.

7. The Region 9 Office has requested the services of the DEC mobile air contaminant sampling and analytical van to determine the level of certain toxic gases in the air near the plant. The van will not be available until early November, 1988 and we hope to be able to use it then. The results will be very useful in our enforcement program.

8. Summary - There are many problems developing in this air abatement program. Some of the problems are worsening and the firm is falling behind schedule. Responses from the firm are either non-existent or inadequate. We intend to make an additional legal referral by early October.

It appears from the foregoing that the solid waste and water resources abatement programs have limited the scope and potential of the pollution from this plant. At the same

time, those programs are preparing to seek legal action to achieve the final steps needed for compliance. These referrals will be provided to me by October 1, 1988 for inclusion in the intended legal referral.

The air program has serious problems ahead in making a significant improvement in the air quality near the foundry. Fines and other penalties must be applied to force the firm to abate their air emission sources.

If you have any questions, please contact me.

JMcG:mkb
cc: Mr. Peter Buechi
Mr. Stanley Gubner
Mr. John McMahon
Mr. Robert Mitrey
Mr. Gerard Palumbo
Mr. Kevin Hintz
Mr. Mark Jackson
Mr. Thomas Szymanski
Capt. Gary Bobseine
Lt. Otto Tertinek
Mr. Joseph Ryan
Mr. Thomas Johnson

ALLEGANY COUNTY DEPARTMENT OF HEALTH

COUNTY OFFICE BUILDING BELMONT, NEW YORK 14813 TELEPHONE 716 268-9250

ANDREW LUCYSZYN, MPA
Public Health Director

DONALD KRAMER, President
Board of Health

M E M O

TO: Louis Violanti

FROM: Albert M. Vossler, P.E.
Public Health Engineer

DATE: October 26, 1988

SUBJECT: Friendship Foundry & Resident's Complaints

Our department received a complaint from Sam Nicholas on January 14, 1988 about fumes coming from the sewer grate in the street at the corner of Maple & Baxter. He was also concerned about the purity of his drinking water.

Jim Sturniolo, Senior Sanitarian, and I responded on January 15, 1988 and collected four written complaints about dust, fumes and contaminated storm drain water allegedly emitted by Friendship Foundry. Drinking water samples were clear and had about 0.2 ppm chlorine. We didn't sample for coliform bacteria since it was Friday. Friendship water operator got a satisfactory sample from Maple Avenue on February 1, 1988 as a monitoring sample. We contacted DEC about the air and water emission problems.

On January 21, 1988, Mark Jackson of DEC sampled the storm sewer near Main Street (same sewer, a short distance downstream of the Baxter & Maple Street grate). This sample was analysed for phenol, priority pollutants and heavy metals. Phenol was found at 12 ppb. Tolulene and methylene chloride were found at 5 & 6 ppb, respectively but were also in the blank, indicating laboratory contamination. On January 21, 1988, Mark and I inspected the Friendship Foundry plant on Howard Street. One unpermitted cooling water discharge was found, but this water was clean. A large exterior pile of waste foundry sand was found which could be leaching to the storm sewer.

I have enclosed DEC reports relating further progress and investigations. I sent a package of material to Linda Rusin & Sonya Bush on March 18, 1988.

If you have further questions, please call.

AMV/les

Encs: DEC letter by E. J. Sciascia - October 5, 1988
DEC letter by Thomas Szymanski - September 13, 1988
DEC letter by Joseph Sciascia - August 16, 1988
Olean Times Herald Newsclips - July 8, 1988 & May 27, 1988
Friendship map

Joe Ryan
Tom Johnson TJ
Sam Nicholas (Friendship Foundry)

November 29, 1988

On November 28, 1988 our office received the analytical results for the samples taken on 10/26/88. Four samples were taken from the pond on Sam Nicholas's property. The samples consisted of surface water, pond sediment and a sample of a rubbery solid material covering the bottom of the pond. The analysis conducted on the samples consisted of pest./PCB's on the water, PCB's on the sediment and PCB's and phenols on the solid material. The results of the analysis are as follows:

Site / Contaminant (ppm)	Surface Water #01	Solid Layer #02	Sediment #03	Sediment #04
Phenols	ND	24.0	ND	ND
Aroclor 1016/1242	ND	0.018	0.001	ND

*Non Detected (ND)

Phenols analysis was requested for all samples but apparently was only run on the solid material. Our previous samples taken at the pond tentatively identified very low phenol concentrations in the sediment. The rubbery material coating parts of the pond sediment appears to be the source of the phenol contamination.

Sample #03 was taken from the area of the pond which showed high levels of PCB's on Mr. Nicholas's laboratory report. The concentrations found on our report are at a level which could be indicative of background levels. The solid rubbery material also had very low levels of PCB's, contrary to Mr. Nicholas's results.

TJ/mf

cc: Jim McGarry - DEC, Region 9

STATE OF NEW YORK : DEPARTMENT OF ENVIRONMENTAL CONSERVATION

In the Matter of the Violation of the New York State Environmental Conservation Law by:

FRIENDSHIP FOUNDRY
10 Howard Street
P.O. Box 7
Friendship, New York

(Allegany County)

Respondent

ORDER
ON
CONSENT

FILE
NO. 87-183A

R9-2298-87-11

WHEREAS:

1. Articles 17, 19 and 27 of the Environmental Conservation Law of the State of New York (hereinafter "ECL") set forth certain restrictions and requirements governing water pollution control, air pollution control and the collection, treatment, and disposal of refuse and other solid waste within the State of New York and provide for the adoption and implementation of rules and regulations for the enforcement thereof.

2. Respondent owns, operates, and/or controls a foundry in the Town of Friendship, Allegany County, New York which is subject to the aforesaid laws, codes, rules and regulations.

3. Respondent is delinquent in complying with the terms and conditions of Order on Consent No. 87-183 which it executed on May 12, 1988 and which is annexed hereto as Exhibit A and made a part hereof.

4. Respondent has operated its facility in violation of certain provisions of ECL Articles 17, 19 and 27 and 6 New York Codes, Rules, and Regulations, which violations are indexed in Schedule A attached hereto and made a part hereof.

5. Respondent has waived its rights to notice and hearing in this matter as provided by law and has consented to the issuing and entering of this Order and Schedule B attached hereto and made a part hereof.

NOW, having considered this matter and being duly advised, it is ORDERED THAT:

I. Respondent is assessed a penalty in the amount of Ten Thousand Dollars ($10,000). Respondent shall, upon execution of this Order, pay to the Commissioner Ten Thousand Dollars by certified check or money order made payable to the Commissioner of the New York State Department of Environmental Conservation, 600 Delaware Avenue, Buffalo, New York 14202-1073 to be paid as follows: March 1, 1989, $2000; April 1, 1989, $2,000; May 1, 1989, $2,000; June 1, 1989, $2,000; July 1, 1989, $2,000.

II. Upon written notification of any violation of this Order or of any regulations or standards relating to the operation of Respondent's facility, the Department may immediately summarily terminate all authorization, licenses, or permits issued by the Department relative to the operation of the aforesaid facility.

III. Respondent shall comply with the terms and conditions of Schedule B. Nothing in this Order shall be construed as a waiver of the Department's right to take such actions as authorized under the Environmental Conservation Law in the event Respondent fails to comply with the terms of this Order or of the

Environmental Conservation Law. This Order and Schedule B shall bind the Respondent and its successors and assigns.

DATED: Buffalo, New York
March 6, 1989

THOMAS C. JORLING, Commissioner
New York State Department of
Environmental Conservation

John J. Spagnoli
Regional Attorney

S C H E D U L E A

Violations	Authority
A. Failure to submit:	
1. Application/plans for odor abatement for Colshell moldmaking	Order (1a)
2. Application/plans for temporary odor abatement for no bake mold/casting	Order (4a)
3. Application/plans for permanent odor abatement for no bake mold casting	Order (7)
4. Plans for odor abatement for no-bake mold-making process	Order (10)
5. Cyanide air sampling results	6 NYCRRR 201.3(a)
6. Updated plot plan of all air emission sources	6 NYCRR Pt. 201.3(a)
7. Application for Certificate to Operate grinder/buffer at Plant #3	6 NYCRR
B. Unsatisfactory operation of Colshell odor abatement equipment	6 NYCRRR 201.5(d) 200.7 & Order (13)
C. Excessive opacity, EP #2	6 NYCRR Part 212.5
D. Failure to contain baghouse waste causing wind and water-borne pollution	6 NYCRR Pt. 260 201.5(d) 201.7(b), and 211.2; ECL 17-0505, 17-0701, and 17-0803
E. Failure to properly cool and dispose of foundry sand causing odor and wind and water-borne pollution	6 NYCRR Part 211.2; ECL 17-0505, 17-0701, 17-0803

S C H E D U L E A (Cont'd)

Violations	Authority
F. Odor emissions from Colshell, no bake, and hot shell casting processes	6 NYCRR Part 211.2
G. Mishandling of polychorinated biphenyls (PCBs)	6 NYCRR Part 372.2(a)(8)(ii); 373-1.2(a); 373-2.10; 373-3.10
H. Mishandling of drums containing phenol residues causing soil/ water pollution	ECL 17-0501

S C H E D U L E B

Respondent shall, on or before the dates indicated:

		Date
1.	Submit an approvable application and plans for abatement of odors from Colshell moldmaking. Said application shall include: • electrical schematic diagram and scrubber schematic diagram showing all instrumentation with a description of control system operation. • table of fluid flows and chemical and contaminant concentrations at designated points in scrubber, washing, and air exhaust systems. • specifications and set points of system equipment. • cut-away drawing of scrubber tower showing internal features. (Step 1a of May 12, 1988 Order)	Effective date of Order + three months
2.	Submit an approvable application and plans for a temporary arrangement to abate odors from no bake mold and casting breakdown including: • electrical schematic diagram, flow diagram, and description of system operation. • equipment specifications. • set points of control system items. (Step 4a of May 12, 1988 Order)	Effective date of Order + three months
3.*	Submit an approvable application and plans for a permanent arrangement to abate odors from the no bake mold and casting cooling and no bake mold and casting breakdown. (Step 7 of May 12, 1988 Order)	Effective date of Order + one year
3a.*	Initiate purchase of equipment to implement Step 3 plans. (Step 7a of May 12, 1988 Order)	Effective date of Order + 18 months
4.*	Start construction of the permanent arrangement to abate odors approved in Step 3. (Step 8 of May 12, 1988 Order)	Effective date of Order + 2 years
5.*	Complete construction and start operation of the permanent arrangement to abate odors approved in Step 3. (Step 9 of May 12, 1988 Order)	Effective date of Order + 30 months

S C H E D U L E B (Con't)

		Date
6.	Submit approvable plans to abate odors from the no-bake moldmaking process.	Effective date of Order + 18 months
7.	Start construction of equipment to abate odors from the no-bake moldmaking process.	Effective date of Order + two years
8.	Complete construction of equipment to abate odors from the no-bake moldmaking process.	Effective date of Order + 30 months
9.	DEC to evaluate the effectiveness of controls on the abatement of odor emissions.	Ongoing and as each abatement phase is completed.
10.	Provide information requested by DEC regarding cyanide sampling reported in March 29, 1988 letter to DEC. Pursuant to DEC's May 9, 1988 letter, state: • nature of sample • where it was collected • analysis	Effective date of Order + one month
11.	Provide DEC with an up-to-date plot plan of the facility showing: • location of all air emissions sources • wind direction • location of nearby streets, roads, railroads	Effective date of Order + one month
12.	Perform baghouse maintenance including: • removal of accumulated foundry sand • disposal of waste at DEC approved location • covering waste bins to prevent waste sand from becoming an air and water-borne pollutant • periodic inspection of mechanical equipment and bags to prevent accidental discharges and unscheduled outages • maintain inventory of spare parts and bags • submit inspection schedule, periodic maintenance schedule, and list of spare parts on hand.	Effective date of Order + three months and then ongoing

00222

S C H E D U L E B (Con't)

		Date
13.	With respect to spent foundry sand: • install curbing around concrete pad to prevent runoff. • store sand on concrete pad • hold sand in smoke house until smoking subsides and sand is cool • cover sand piles to prevent air and water-borne pollution • at least twice weekly, dispose of spent sand to DEC approved landfill.	Effective date of Order + one month and then ongoing
14.	Dispose of all drums in drum storage yard in DEC approved manner at rate of 20 drums/month and retain receipts.	Start removal on Effective Date of Order
15.	Remove visibly contaminated soil from drum storage yard and from fenced area on south end of plant property and dispose of in DEC approved manner.	By October 1, 1989
16.	Submit approvable application to operate grinder and buffer exhaust located at Plant #3.	Effective date of Order + one month
17.	Submit approvable applications and plans for abatement odor emissions from the casting floor ventilators EP's 10, 11, 12 and 13 and the casting shakeout operation of the conveyorized casting line.	Effective date of Order + 18 months
18.	Start construction of arrangement to abate odors approved in Step 17.	Effective date of Order + one year
19.	Complete construction and start operation of arrangement to abate odors approved in Step 17.	Effective date of Order + two years
20.	Submit approvable application and plans for abatement of odor emissions from the hot shell sand muller and pug mill.	Effective date of Order + two years
21.	Start construction of arrangement to abate odors approved in Step 20.	Effective date of Order + 30 months

S C H E D U L E B (Con't)

		Date
22.	Complete construction and start operation of arrangement to abate odors approved in Step 20.	Effective date of Order + 36 months
23.	Perform periodic inspections on all odor abatement system and related equipment to prevent accidental odor emissions and unscheduled outages. Maintain adequate inventory of spare parts to minimize the period of time that processes might operate without odor control due to equipment failure. Submit inspection schedules, periodic maintenance schedule, and list of spare parts to be inventoried.	Effective Date of Order + Ongoing

*With respect to the dates contained in items #3-5, the Department may require earlier dates in the event the casting tunnel and sand reclaimer option is not chosen. The dates in items #3-5 may also be altered, upon Respondent's request, if in the Department's opinion good cause exists for such alteration. "Good cause" includes but is not limited to acts of God, strikes, and third party negligence.

Consent by Respondent

Respondent hereby consents to the issuing and entering of the foregoing Order, waives its right to a hearing herein as provided by law, and agrees to be bound by the provisions, terms and conditions contained therein.

Respondent _____

By _____

Title _____

Date _____

(Seal)

Corporate

State of NEW YORK)
County of ALLEGANY)

On this 28th day of FEBRUARY, 1989, before me personally came HENRY D. MAYO to me known, who being by me duly sworn did depose and say that he resides at 3799 RIVERSIDE DR, 5C10 NEW YORK that he is the PRESIDENT of FRIENDSHIP FOUNDRY, INC the corporation described in and which executed the foregoing instrument; and that he signed his name as authorized by said corporation.

EDWARD C. BAUMGARDNER, Jr.
Notary Public, State of New York
Registered in Allegany County
My Commission Expires on
8/31 19 89
#4903641

_____
NOTARY PUBLIC

Individual

State of)
County of)

On this day of , 19 , before me came , to me known and known to me to be the individual described in and who executed the foregoing consent and he duly acknowledged to me that he executed the same.

_____
NOTARY PUBLIC

00325

New York State Department of Environmental Conservation

Fl. 02W14

MEMORANDUM

TO: Mr. McGarry, Air
FROM: Mr. Jackson, Water
SUBJECT: Friendship Foundry, Inc.
Friendship (T), Allegany County
DATE: March 15, 1989

Attached hereto are results from the PCB sediment sample collected on January 13, 1989, showing a PCB concentration of 180 ppm.

The sample was collected from the sump in the transformer room after Mr. Mayo indicated to us that the sump had been cleaned.

The quantity of sediment in the sump on January 13, 1989 was quite small, as we had a difficult time obtaining enough sediment to analyze.

The sump, which formerly discharged to the storm receiver, is now routed to the sanitary sewer.

We recommend that another, more thorough, cleaning of the sump be required. The sump should be entirely dewatered, and all accumulated material scraped and washed from the sump and transferred to a proper container for storage and disposal. The pump should be temporarily pulled to facilitate cleaning.

MAJ:lej

Attachment

cc: Mr. Lacey, Legal Affairs
Ms. Sansone, Legal Affairs
Mr. Hintz, Solid Waste
Mr. Szymanski, Air
Mr. Sciascia, DEE
Mr. Johnson, DEE
Mr. Clare, Water
IWO File

00077

Microbac Laboratories, Inc.
J-Labs Division
P.O. Box 489, Bradford, Pennsylvania 16701
(814) 368-6087

August 15, 1989

N.Y. Lab. ID #10122

Case No. 82212

Mr. Edward C. Baumgardner, Jr.
Friendship Foundry, Inc.
P. O. Box 7
10 Howard Street
Friendship, NY 14739

Subject: Samples Submitted July 7, 7989

Dear Mr. Baumgardner:

Attached are the results of the tests requested on the subject samples taken by Mr. Henry Mayo and submitted on the above date.

The samples were analyzed in accordance with SW846 "Test Methods for Evaluating Solid Waste."

Missing are results for 89G48 where PCB's have been requested. We will supplement this report with this data as soon as it is available.

If there are any questions concerning these results or if we can be of further service to you at anytime, do not hesitate to contact our office.

Very truly yours,

J-LABS DIVISION

Bradley S. Mitchell

BSM/gc
Enclosures

Case No. 82212

ANALYSIS
CONSULTING
SALES
SERVICE

J-LABS, INC.
WATER SERVICES

P. O. BOX 489
Bradford, PA 16701
Tel. 814-368-8087

N.Y. Lab. ID #10122

TECK:LABS DIVISION

lent: Friendship Foundry, Inc. System:

mple No.	89G48	89G49L	89G50	89G50L
mpled by: H. Mayo	Date 7-6-89 Time	Date Time	Date 7-6-89 Time	Date Time
ceived by:	7-7-89		7-7-89	
cation	Sump by Electric Furnace Sample #1	EP Leachate of Dust From Sample #2	From drum of Material Sample #3	EP Leachate of Sample #3
rsenic				<0.01
arium				2.06
admium				0.02
hromium				<0.02
ead				0.52
ercury				<0.001
elenium				<0.002
lver				<0.01
luoride				
itrate NO_3-N				
henol		6.42		<0.002
gnitability			Does Not Flash Extinguishes Flame at 200°F. ~~Does Not Burn When~~ Flame Applied	

Results expressed in mg/liter "ND" means "not determined"

Case No. 82212

ANALYSIS
CONSULTING
SALES
SERVICE

J-LABS, INC.
WATER SERVICES

P.O. BOX 489
Bradford, PA. 16701
Tel. 814-368-8087
N.Y. Lab. ID #10122

TECK:LABS DIVISION

nt: Friendship Foundry, Inc. System:

ple No.	89G51		89G51L		89G52		89G53	
	Date	Time	Date	Time	Date	Time	Date	Time
pled by: H. Mayo	7-6-89				7-6-89			
eived by:	7-7-89				7-7-89			
ation	Pepset 1600 and 2600 Spilled on Soil Sample #4		EP Leachate of Sample #4		Taken from Sump Cleanup Drum in Warehouse		Taken from Pile of Soil Cleaned up as Oil Spill Sample #6	
enic			<0.01					
ium			1.46					
dmium			<0.01					
omium			<0.02					
d			0.13					
rcury			<0.001					
enium			<0.002					
ver			<0.01					
oride								
rate NO_3-N								
nol			0.010					
					11 mg./kg. Arochlors 1242			
ditability	Does Not Flash Extinguishes Flame at 200°F. Does Not Burn When Flame Applied				Does Not Flash Burns When Flame Applied		Does Not Flash Extinguishes Flame at 200°F. Does Not Burn When Flame Applied	
nzene							<0.05	
lorobenzene							<0.05	
2-Dichlorobenzene							<0.05	
3-Dichlorobenzene							<0.05	
4-Dichlorobenzene							<0.05	
hylbenzene							<0.05	
l ne							<0.05	

Results expressed in mg/liter "ND" means "not determined"

Case No. 82212

ANALYSIS
CONSULTING
SALES
SERVICE

J-LABS, INC.
WATER SERVICES

P. O. BOX 489
Bradford, PA 16701
Tel. 814-368-8487

N.Y. Lab. ID #10122

TECK:LABS DIVISION

ent: Friendship Foundry, Inc. System:

nple No.	89G53L							
npled by:	Date	Time	Date	Time	Date	Time	Date	Time
:eived by:								
:ation	EP Leachate of Sample #6							
:enic	<0.01							
rium	0.45							
dmium	0.02							
romium	<0.02							
ad	0.14							
:rcury	<0.001							
lenium	<0.002							
::	<0.01							
ioride								
:rate NO_3-N								

Results expressed in mg/liter "ND" means "not determined"

Microbac Laboratories, Inc.
J-Labs Division
P.O. Box 489, Bradford, Pennsylvania 16701
(814) 368 6087

August 22, 1989

Case No. 82212

Mr. Edward C. Baumgardner, Jr.
Friendship Foundry, Inc.
P. O. Box 7
10 Howard Street
Friendship, NY 14739

Subject: PCB Analysis of Sample 89G48

Dear Mr. Baumgardner:

Attached is a revised report showing the result of the PCB analysis of the subject sample.

If you have any questions about this result or if we can be of further assistance to you at anytime, do not hesitate to contact our office.

Very truly yours,

J-LABS DIVISION

Bradley S. Mitchell

Bradley S. Mitchell

BSM/gc
Enclosure

Case No. 82212

ANALYSIS
CONSULTING
SALES
SERVICE

J-LABS, INC.
WATER SERVICES

P.O. BOX 489
Bradford, PA 16701
Tel. 814-368-8087

N.Y. Lab. ID #10122

TECK:LABS DIVISION

lent: Friendship Foundry, Inc. System:

mple No.	89G48	89G49L	89G50	89G50L
mpled by: H. Mayo	Date 7-6-89 Time	Date Time	Date 7-6-89 Time	Date Time
·ceived by:	7-7-89		7-7-89	
ıcation	Sump by Electric Furnace Sample #1	EP Leachate of Dust From Sample #2	From drum of Material Sample #3	EP Leachate of Sample #3
·senic				<0.01
ɔrium				2.06
admium				0.02
hromium				<0.02
ɔad				0.52
ercury				<0.001
elenium				<0.002
ilver				<0.01
uoride				
ıtrate NO_3 - N				
ıenol		6.42		<0.002
:B	90 mg./kg.			
gnitability			Does Not Flash Extinguishes Flame at 200°F. ~~Does Not Burn When~~ Flame Applied	

Results expressed in mg/liter "ND" means "not determined"

New York State Department of Environmental Conservatio
50 Wolf Road, Albany, New York 12233

7010

bcc: M. O'Toole (2)
C. Goddard
A. Rockmore
T. Vickerson
P. Buechi - NYSDEC Regior

GDS 7-16

TJV/mj

Mr. Richard Caspe, P.E.
Director
Emergency and Remedial Response Division
U.S. Environmental Protection Agency
Region II
26 Federal Plaza
New York, New York 10278

OCT 10 1990

Dear Mr. Caspe:

Re: Friendship Foundry
10 Howard Street
Friendship, New York 14739

Results of a recent inspection of the referenced facility indicate several hazardous wastes are stored on site posing a potential threat to the environment.

The enclosed correspondence details the concern of State and local officials and the analytical data documents the hazardous wastes in the drums which were sampled.

The New York State Department of Environmental Conservation (NYSDEC) requests that the United States Environmental Protection Agency (USEPA) take appropriate action to investigate, stabilize and remove the hazardous wastes from the Friendship Foundry under the removal action program.

As further support and clarification of the reason for this request, we realize under Section 104 of CERCLA, as amended by SARA, that the President of the United States may respond to any release or threat of release of a hazardous substance, if in the President's discretion it constitutes a public health or environmental emergency and no other person with the authority and capability to respond to the emergency will do so in a timely manner.

If you have any questions regarding this request, please contact Alan Rockmore, P.E., of my staff at (518) 457-9280.

Sincerely,

Michael J. O'Toole Jr.

Michael J. O'Toole, Jr., P.E.
Director
Division of Hazardous Waste Remediation

Enclosure
cc: R. Salkie - USEPA, Region II
G. Zachos - USEPA, Region II, Edison, NJ
R. Tramontano - NYSDOH

Dr. Stasiuk
Dr Kim
A. Rockm
M. Doster
J. Sciasci
P. Buech
B. Kine
GPS

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT
INITIAL POLREP

I. Heading

Date: September 13, 1991

From: Jack D. Harmon, OSC, U.S. EPA, Region II
Removal Action Branch

To:

C. Sidamon-Eristoff, EPA	K. Callahan, EPA
R. Salkie, EPA	G. Zachos, EPA
J. Marshall, EPA	E. Schaaf, EPA
M. Basile, EPA-NF	ERD - Washington (E-Mail)
M. O'Toole, NYSDEC	G. Sutton, NYSDEC
R. Tuers, NYSDOH	TAT

Subject: Friendship Foundry #1, Friendship, Allegany County, New York

POLREP No.: 01

II. BACKGROUND

Site No.: 7F
D.O. No.: 0016-02-019
Response Authority: CERCLA/SARA
NPL Status: Non-NPL
Start Date: August 7, 1991

III. RESPONSE INFORMATION

A. Situation

This facility is presently a defunct foundry that was operated by Macler Industries until 1987, at which time Friendship Foundry took over the operation. Friendship Foundry entered into a revised Consent Order with the New York State Department of Environmental Conservation (NYSDEC) in 1989, to address air pollution, solid waste and water quality related violations. The NYSDEC Division of Air determined that the facility was unable to come into compliance with Air Pollution Regulations as had been specified in the Order on Consent No. 87-183A. NYSDEC Region IX closed the facility on June 1, 1990, by serving a Summary Order Terminating Authorization to operate emission points associated with the casting operation.

In October, 1990, the NYSDEC requested that the USEPA take appropriate action to investigate, stabilize and remove the hazardous wastes from the Friendship Foundry authorized under Section 104 of CERCLA, as amended by Superfund

000

In response to the NYSDEC's request, a removal site evaluation (RSE) was conducted on November 1 and 2, 1990, by an On-Scene Coordinator (OSC) from the Removal Action Branch and representatives from the Technical Assistance Team (TAT). The foundry was found to be in complete disorder. It appeared that Friendship Foundry had little or no concern for waste management. There were approximately 500 drums present that were either full, partially full, or empty. In addition, hundreds of laboratory sized containers as well as foundry sand spread throughout the entire site. The majority of the drums were severely dented; some were leaking, some were bulging and many were open and double stacked. It was very difficult to inspect various areas of the foundry due to insufficient lighting, piles of equipment, drums, debris and the overall dilapidated condition of the building. On the western portion of the property, a storage yard contained approximately 200 partially filled and empty drums. Distressed vegetation and stained soil was evident. Inadequate perimeter fencing was also noted as well as several points of entry into the foundry.

In August 1990, the NYSDEC collected six samples from drums located on-site. Laboratory results from five of these samples revealed that four were hazardous by nature of their ignitable characteristic while the other possessed a PCB concentration of 2,900 parts per million (ppm).

During the RSE on Novermber 1 and 2, 1990, several samples were collected and later analyzed. The laboratory analyses corroborated the NYSDEC earlier findings that hazardous materials are present.

B. Actions Taken

1. On February 8, 1991, a PRP Search was requested by the Program Support Branch. 104(e) letters have been drafted and will be issued once all revisions have been made.

2. The Action Memorandum authorizing funding for the removal action was approved on July 10, 1991 by the Regional Administrator.

3. An access agreement was obtained on July 28, 1991 from the present owner of the property.

4. On August 7, 1991, a fencing subcontractor initiated the installation of fencing to prevent unauthorized entries into the foundry property. Completion of the fencing was completed on August 13, 1991. Also during this period, the ERCS contractor secured building openings and doors with chains and padlocks.

5. The Regional ERCS contractor was mobilized on August 26 and site preparation commenced. During the following two week period the premises was organized and three work zones were established i.e., support, contaminant reduction and exclusion zones. Also, two storage buildings were erected to house tools/equipment and personal protective equipment. In addition, a concrete berm was established on an existing concrete pad to serve as a decontamination pad. Four loads of crushed stone were delivered and leveled in areas of poor drainage.

6. During the week of September 2, 1991, an office trailer was delivered. The office trailer was rendered fully operational with the subsequent connection of phone and electric services. Prior to the placement of the office trailer, a composite surface soil sample was collected to confirm the area as "clean". Also during this period, a former storage room inside the foundry was decontaminated and an intrinsically safe fume hood installed to serve as a "laboratory" for hazcatting future samples.

7. During the week of September 9, 1991, the ERCS contractor inventoried and then staged empty drums from the warehouse into the foundry building across the street. Drums that were double stacked were staged in the space provided by removal of the empty drums.

8. A complete inventory of full and partially full drums within the warehouse was concluded during the week of September 9, 1991. Four bulging drums were vented to relieve pressures.

9. Three grab samples of foundry sand were collected on September 13, 1991 from inside the foundry and submitted to a laboratory for analyses on September 16, 1991.

10. The present property owner, Mr. Henry Mayo visited the site and granted the USEPA permission to salvage any scrap metal that would prevent the cleanup contractor from freely moving about the site. Mr. Mayo offered his services to assess samples of drum contents to ascertain wastes from products. Mr. Mayo has also contacted other foundries that may be interested in use of the products.

B. Next Steps

1. Samples of contents from full and partilly full drums will commence the week of September 16, 1991. The present foundry owner and the former foundry foreman will attempt to ascertain product from waste by comparing drum inventory sheets and associated samples. All those samples which are deemed waste or not entirely certain to be product will be hazcatted and placed into compatible waste groups.

2. Once all wastes have been placed into compatible waste groups, samples from each compatible waste group will be submitted for laboratory disposal analyses. Transportation and disposal will follow waste acceptances at approved TSDFs. Empty drums will be decontaminated, if possible, and crushed for salvage. Otherwise they will be crushed, placed into a roll-off and disposed.

IV. Cost Information

	Amount Budgeted	Cost To Date	Amount Remaining
Cleanup Contractor	1,500,000	100,000	1,400,000
TAT	50,000	1,000	48,000
Extramural Contingency	310,000	-0-	310,000
EPA (HQ and Region)	101,000	19,700	81,830
Project Funds Remaining	1,961,000	120,700	1,840,300

FURTHER POLREPS FORTHCOMING: __X__ FINAL POLREP_____: SUBMITTED BY: Jack D. Harmon

Jack D. Harmon, OSC
Removal Action Branch

DATE RELEASED: 9/17/91

00-17-1 (5/76)
Formerly GA-4

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

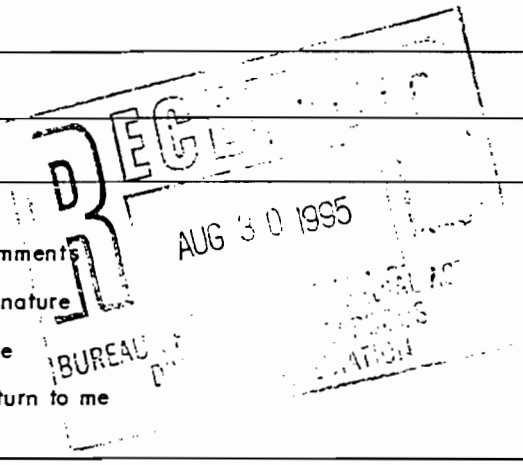
TRANSMITTAL SLIP

TO: Jeff Edwards - DHWR - Remedial Section A

FROM: Greg Sutton - DHWR - Region 9

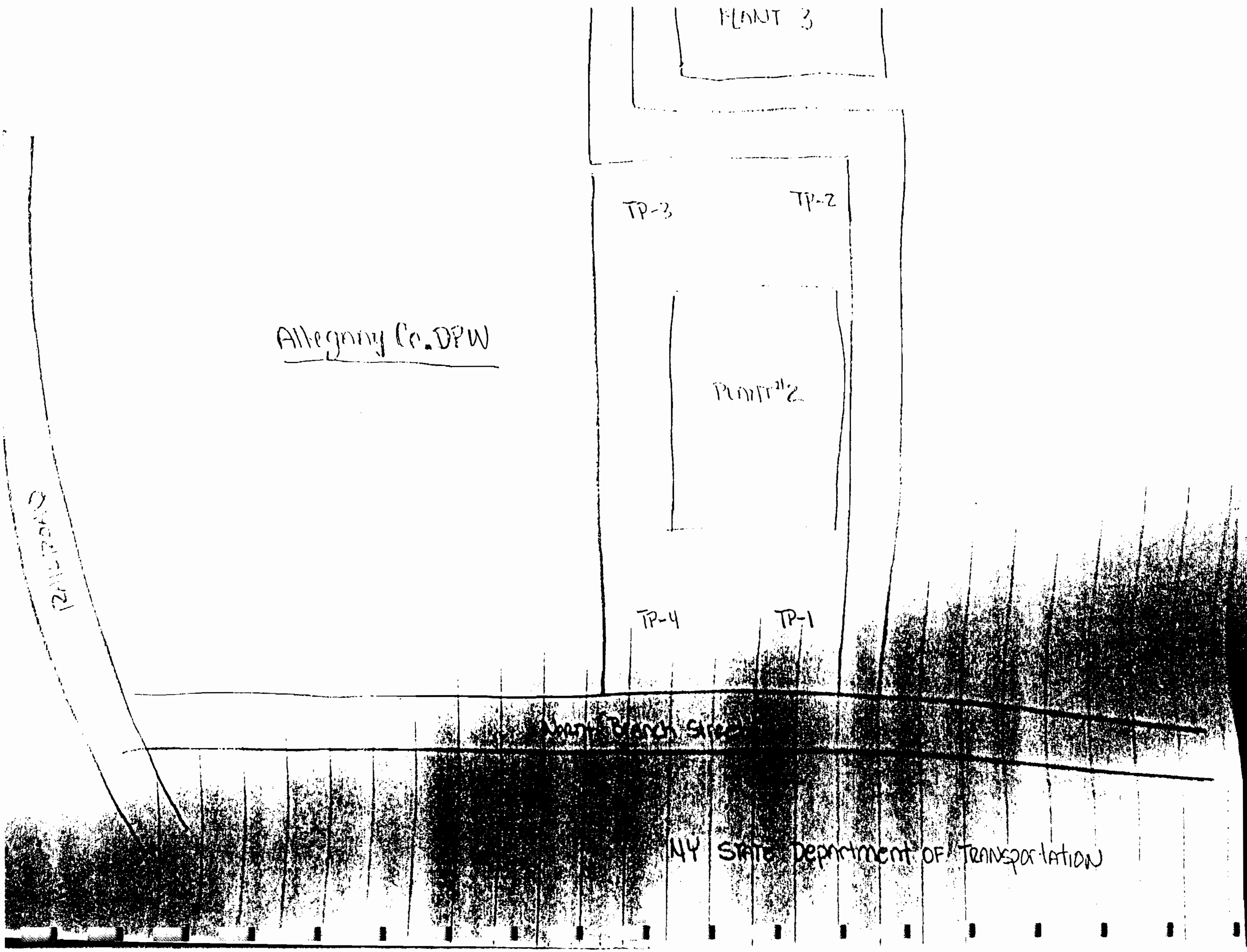
DATE: 8/25/95

RE: Friendship Foundries Plant #2 Sampling.



FOR ACTION AS INDICATED:

- ☐ Please Handle
- ☐ Prepare Reply
- ☐ Prepare Reply for _____ Signature
- ☑ Information
- ☐ Approval
- ☐ Prepare final/draft in _____ copies
- ☐ Comments
- ☐ Signature
- ☐ File
- ☐ Return to me
- ☐ _____
- ☐ _____



PLANT 3
TP-3
TP-2
Allegany Co. DPW
Plant #2
RAILROAD
TP-4
TP-1
North Branch Street
NY State Department of Transportation

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 18, 1995

LAB SAMPLE ID : 78476

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-1 WEST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO	

Analysis Performed	Result	Units		Date Analyzed	Method	Notebook Reference	Analyst
Arsenic	ND<7.31	mg/Kg	7.5	04/17/95	EPA 6010	95-061-06	DGR
Barium	67.1	mg/Kg	300	04/17/95	EPA 6010	95-061-06	DGR
Cadmium	ND<0.366	mg/Kg	1	04/17/95	EPA 6010	95-061-06	DGR
Chromium	13.0	mg/Kg	10	04/17/95	EPA 6010	95-061-06	DGR
Lead	27.2	mg/Kg	200/50	04/17/95	EPA 6010	95-061-06	DGR
Mercury	0.042	mg/Kg	0.1	03/31/95	EPA 7470	93-290-25	VHT
Selenium	ND<3.29	mg/Kg	2	04/17/95	EPA 6010	95-061-06	DGR
Silver	ND<0.548	mg/Kg	50	04/17/95	EPA 6010	95-061-06	DGR

For questions regarding this report, please call Customer Services.

cc :

QC

NY 10252 PA 68180 NJ 73168 EPA NY 033

Approved by: Lindsey Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Mar 30, 1995

LAB SAMPLE ID : 78476

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-1 WEST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O. NO. :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Solids, Total	83.03	percent	03/29/95	CLP 3.0	94-204-87	JAS

RECEIVED
APR 21 1995

For questions regarding this report, please call Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 5, 1995

LAB SAMPLE ID : 78476.

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-1 WEST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O NO. :	

ZHE list by 8240(Total) Analyst : CPW Notebook Reference : 95-048-1199
Method : SW846/5030/8240 Units : UG/KG Date Analyzed : 04/03/95

Compounds Detected	Results		
Vinyl Chloride	ND<25	200	0.2
1,1-Dichloroethene	ND<25	400	0.7
2-Butanone (MEK)	ND<250	300	200
Chloroform	ND<25	300	6.0
Benzene	ND<25	60	0.5
Carbon Tetrachloride	ND<25	600	0.5
1,2-Dichloroethane	ND<25	100	0.5
Trichloroethene	ND<25	700	0.5
Tetrachloroethene	ND<25	1400	0.7
Chlorobenzene	ND<25	17000	100
1,4-Dichlorobenzene	ND<25	8500	7.5
1,1,1-Trichloroethane	ND<25	800	
Surrogate Recovery (%)			
Toluene-d8	101		
4-Bromofluorobenzene	102		
Dibromofluoromethene	96		

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
Semivolatiles TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Apr 20, 1995

LAB SAMPLE ID : 78476

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-1 WEST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O. NO :	

TCLP List (Total)	Analyst : BCC	Notebook Reference : 94-248-0986
Method : SW846/8270/3540	Units : UG/G	Date Analyzed : 04/18/95
Compounds Detected	Results	Date Extracted : 04/03/95
Pyridine	ND<0.3	5.0
o-Cresol	ND<0.3	200.0
p-Cresol/m-Cresol	ND<0.3	200.0
Hexachloroethane	ND<0.3	3.0
Nitrobenzene	ND<0.3	2.0
Hexachlorobutadiene	ND<0.3	0.5
2,4,6-Trichlorophenol	ND<0.3 O	2.0
2,4,5-Trichlorophenol	ND<0.3	400.0
2,4-Dinitrotoluene	ND<0.3	0.13
Hexachlorobenzene	ND<0.3	0.13
Pentachlorophenol	ND<1	100.0
Surrogate Recovery (%)		
2-Fluorophenol	39	
Phenol-d6	52	
Nitrobenzene-d5	55	
2-Fluorobiphenyl	66	
2,4,6-Tribromophenol	50	
Terphenyl-d14	68	
PCB's (Monitoring Wells & Solid/Hazardou	Analyst : PDB	Notebook Reference : 94-197-720
Method : SW846/8080/3540	Units : MG/KG	Date Analyzed : 04/04/95
Compounds Detected	Results	Date Extracted : 04/03/95
PCB 1016	ND<0.1	
PCB 1221	ND<0.1	
PCB 1232	ND<0.1	

PCB RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS.

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsay Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
	Allegany Co. DPW		Equipment shop Friendship NY	Christopher Searle

SAMPLE NUMBER	DATE	TIME	ORIGIN/SOURCE		# OF CONTAINERS	DESCRIPTION COMP	DESCRIPTION GRAB	DESCRIPTION OTHER	ANALYSES/TESTS REQUESTED	MATERIAL CODE
Pit West	3/28/95	10:10	0"-6"		78476		X		* PCBs, metals, volatiles, & semi volatiles	8
Pit West	3/28/95	10:10	6"-12"	Composite in Laboratory	1		X			8
Pit West	3/28/95	10:10	12"-24"		1		X			8
Pit South	3/28/95	10:30	0"-6"		78477		X			8
Pit South	3/28/95	10:30	6"-12"	Composite in Laboratory	1		X			8
Pit South	3/28/95	10:30	12"-24"		1		X			8

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	RELINQUESHED BY SIGNATURE / PRINT	DATE/TIME
SIGNATURE Christopher Searle PRINT Christopher Searle	3/28/95 3:00			

RECEIVED BY SIGNATURE / PRINT	RELINQUESHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE / PRINT	
			SIGNATURE Debbie McCarty PRINT Debbie McCarty	3/28/95 2:52

REMARKS: * PCB's, As, Ba, Cd, Cr, Pb, Hg, Se, Ag.
Volatiles - Scan #29 + 1,1,1-Trichloroethane
Semi-VOAs - Scan #3

FLI ENVIRONMENTAL SERVICES
ONE RESEARCH CIRCLE * WAVERLY, NY 14892-1532
Phone (607) 565-2893 * FAX (607) 565-4083

CHAIN OF CUSTODY RECORD

JECT NO.		CLIENT NAME: Allegany Co. DPW		# OF CON-TAIN-ERS	SAMPLE SITE: Equipment ship Friendship NY			SAMPLER'S SIGNATURE: Christopher Bruce	
LE ER	DATE	TIME	ORIGIN/SOURCE		DESCRIPTION COMP	GRAB	OTHER	ANALYSES/TESTS REQUESTED	MATE-RIAL CODE
Pit 3SE	3/28/95	10:40	0"-6"	78478		X		PCBs, metals, volatile, & semi volatile	8
t Pit 3SE	3/28/95	10:40	6"-12"	Composite in Laboratory 1		X			8
t Pit SSE	3/28/95	10:40	12"-24"	1		X			8
Pit East	3/28/95	11:00	0"-6"	78479		X			8
Pit East	3/28/95	11:00	6"-12"	composite in Laboratory 1		X			8
Pit East	3/28/95	11:00	12"-24"	1		X			8

NQUISHED BY ATURE Christopher Bruce T Christopher Bruce	DATE/TIME 3/28/95 3:00	RECEIVED BY SIGNATURE PRINT	RELINQUESHED BY SIGNATURE PRINT	DATE/TIME
IVED BY ATURE T	RELINQUESHED BY SIGNATURE PRINT	DATE/TIME	RECEIVED AT LAB BY SIGNATURE Debbie McCarty 3/28/95 PRINT Debbie McCarty 2:50	

RKS:

FLI ENVIRONMENTAL SERVICES
ONE RESEARCH CIRCLE * WAVERLY, NY 14892-1532
Phone (607) 565-2893 * FAX (607) 565-4083

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 18, 1995

LAB SAMPLE ID : 78477

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-2 SOUTH
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O NO.	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Arsenic	ND<6.48	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Barium	59.3	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Cadmium	ND<0.324	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Chromium	9.37	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Lead	28.6	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Mercury	0.038	mg/Kg	03/31/95	EPA 7470	93-290-25	VHT
Selenium	ND<2.91	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Silver	ND<0.486	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR

For questions regarding this report, please call Customer Services.

cc :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY I · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 5, 1995

LAB SAMPLE ID : 78477

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-2 SOUTH
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO.	

ZHE list by 8240(Total) Analyst : CPW Notebook Reference : 95-048-1185
Method : SW846/5030/8240 Units : UG/KG Date Analyzed : 03/31/95

Compounds Detected	Results	
Vinyl Chloride	ND<25	0.2
1,1-Dichloroethene	ND<25	0.7
2-Butanone (MEK)	ND<250	200
Chloroform	ND<25	6.0
Benzene	ND<25	0.5
Carbon Tetrachloride	ND<25	0.5
1,2-Dichloroethane	ND<25	0.5
Trichloroethene	ND<25	0.5
Tetrachloroethene	ND<25	0.7
Chlorobenzene	ND<25	100
1,4-Dichlorobenzene	ND<25	7.5
1,1,1-Trichloroethane	ND<25	
Surrogate Recovery (%)		
Toluene-d8	98	
4-Bromofluorobenzene	97	
Dibromofluoromethane	100	

For questions regarding this report, please call and ask for Customer Services.

cc :

QC1

Approved by: Lindsay Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Semivolatiles

DATE Apr 19, 1995

LAB SAMPLE ID : 78477

Allegany County DPW

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-2 SOUTH
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O NO.	

PCB 1242	ND<0.1
PCB 1248	ND<0.1
PCB 1254	ND<0.1
PCB 1260	ND<0.1
Surrogate Recovery (%)	
Decachlorobiphenyl	108

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY INC
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Semivolatiles

DATE : Apr 20, 1995

LAB SAMPLE ID : 78477

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-2 SOUTH
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO	

TCLP List (Total)	Analyst : BCC	Notebook Reference : 94-248-0987
Method : SW846/8270/3540	Units : UG/G	Date Analyzed : 04/18/95
Compounds Detected	Results	Date Extracted : 04/03/95
Pyridine	ND<0.3	5.0
o-Cresol	ND<0.3	200.0
p-Cresol/m-Cresol	ND<0.3	200.0
Hexachloroethane	ND<0.3	3.0
Nitrobenzene	ND<0.3	2.0
Hexachlorobutadiene	ND<0.3	0.5
2,4,6-Trichlorophenol	ND<0.3	2.0
2,4,5-Trichlorophenol	ND<0.3	400.0
2,4-Dinitrotoluene	ND<0.3	0.13
Hexachlorobenzene	ND<0.3	0.13
Pentachlorophenol	ND<1	100.0
Surrogate Recovery (X)		
2-Fluorophenol	39	
Phenol-d6	52	
Nitrobenzene-d5	57	
2-Fluorobiphenyl	65	
2,4,6-Tribromophenol	60	
Terphenyl-d14	73	

PCB's (Monitoring Wells & Solid/Hazardou	Analyst : PDB	Notebook Reference : 94-197-721
Method : SW846/8080/3540	Units : MG/KG	Date Analyzed : 04/04/95
Compounds Detected	Results	Date Extracted : 04/03/95
PCB 1016	ND<0.1	
PCB 1221	ND<0.1	
PCB 1232	ND<0.1	

PCB RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS.

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Mar 30, 1995

LAB SAMPLE ID : 78477

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-2 SOUTH
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO.	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Solids, Total	85.52	percent	03/29/95	CLP 3.0	94-204-87	JAS

For questions regarding this report, please call Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 18, 1995

LAB SAMPLE ID : 78479

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

3

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-4 EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO.	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Arsenic	10.6	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Barium	128	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Cadmium	ND<0.353	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Chromium	13.3	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Lead	32.0	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Mercury	0.034	mg/Kg	03/31/95	EPA 7470	93-290-25	VHT
Selenium	ND<63.6	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Silver	ND<10.6	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR

For questions regarding this report, please call Customer Services.

cc :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY INC

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1522
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 5, 1995

LAB SAMPLE ID : 78479

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-4 EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O NO.	

ZHE list by 8240(Total) Analyst : CPW Notebook Reference : 95-048-1201
Method : SW846/5030/8240 Units : UG/KG Date Analyzed : 04/03/95

Compounds Detected	Results	
Vinyl Chloride	ND<25	0.2
1,1-Dichloroethene	ND<25	0.7
2-Butanone (MEK)	ND<250	200
Chloroform	ND<25	6.0
Benzene	ND<25	0.5
Carbon Tetrachloride	ND<25	0.5
1,2-Dichloroethane	ND<25	0.5
Trichloroethene	ND<25	0.5
Tetrachloroethane	ND<25	0.7
Chlorobenzene	ND<25	100
1,4-Dichlorobenzene	ND<25	7.5
1,1,1-Trichloroethane	ND<25	
Surrogate Recovery (%)		
Toluene-d8	101	
4-Bromofluorobenzene	97	
Dibromofluoromethane	94	

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Semivolatiles

DATE Apr 19, 1995

LAB SAMPLE ID : 78479

Allegany County DPW

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-4 EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO	

PCB 1242	ND<0.1
PCB 1248	ND<0.1
PCB 1254	ND<0.1
PCB 1260	ND<0.1
Surrogate Recovery (%)	
Decachlorobiphenyl	114

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1582
Semivolatiles TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE : Apr 20, 1995

LAB SAMPLE ID : 78479

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-4 EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO.	

TCLP List (Total)	Analyst : BCC	Notebook Reference : 94-248-0989
Method : SW846/8270/3540	Units : UG/G	Date Analyzed : 04/18/95
Compounds Detected	Results	Date Extracted : 04/03/95
Pyridine	ND<0.3	5.0
o-Cresol	ND<0.3	200.0
p-Cresol/m-Cresol	ND<0.3	200.0
Hexachloroethane	ND<0.3	3.0
Nitrobenzene	ND<0.3	2.0
Hexachlorobutadiene	ND<0.3	0.5
2,4,6-Trichlorophenol	ND<0.3	2.0
2,4,5-Trichlorophenol	ND<0.3	400.0
2,4-Dinitrotoluene	ND<0.3	0.13
Hexachlorobenzene	ND<0.3	0.13
Pentachlorophenol	ND<1	100.0
Surrogate Recovery (%)		
2-Fluorophenol	43	
Phenol-d6	61	
Nitrobenzene-d5	65	
2-Fluorobiphenyl	74	
2,4,6-Tribromophenol	59	
Terphenyl-d14	74	
PCB's (Monitoring Wells & Solid/Hazardou	Analyst : PDB	Notebook Reference : 94-197-723
Method : SW846/8080/3540	Units : MG/KG	Date Analyzed : 04/04/95
Compounds Detected	Results	Date Extracted : 04/03/95
PCB 1016	ND<0.1	
PCB 1221	ND<0.1	
PCB 1232	ND<0.1	

PCB RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS.

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Mar 30, 1995

LAB SAMPLE ID : 78479

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-4 EAST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O. NO. :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Solids, Total	86.25	percent	03/29/95	CLP 3.0	94-204-87	JAS

For questions regarding this report, please call Customer Services.

CC :

QC (1)

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY INC

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 18, 1995

LAB SAMPLE ID : 78478

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

4

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-3 SOUTH EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Arsenic	7.68	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Barium	132	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Cadmium	ND<0.335	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Chromium	15.0	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Lead	35.8	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Mercury	0.036	mg/Kg	03/31/95	EPA 7470	93-290-25	VHT
Selenium	ND<60.4	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR
Silver	ND<10.1	mg/Kg	04/17/95	EPA 6010	95-061-06	DGR

For questions regarding this report, please call Customer Services.

CC 1

QC 1

NY 10252 PA 68180 NJ 73168 EPA NY 033

Approved by: Lindsey Brown
QUALITY ASSURANCE

FLI
FRIEND LABORATORY I · N · C
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Semivolatiles

DATE : Apr 20, 1995

LAB SAMPLE ID : 78478

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-3 SOUTH EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O NO.	

TCLP List (Total)	Analyst : BCC	Notebook Reference : 94-248-0988
Method : SW846/8270/3540	Units : UG/G	Date Analyzed : 04/18/95
Compounds Detected	Results	Date Extracted : 04/03/95
Pyridine	ND<0.3	5.0
o-Cresol	ND<0.3	200.0
p-Cresol/m-Cresol	ND<0.3	200.0
Hexachloroethane	ND<0.3	3.0
Nitrobenzene	ND<0.3	2.0
Hexachlorobutadiene	ND<0.3	0.5
2,4,6-Trichlorophenol	ND<0.3	2.0
2,4,5-Trichlorophenol	ND<0.3	400.0
2,4-Dinitrotoluene	ND<0.3	0.13
Hexachlorobenzene	ND<0.3	0.13
Pentachlorophenol	ND<1	100.0
Surrogate Recovery (%)		
2-Fluorophenol	50	
Phenol-d6	63	
Nitrobenzene-d5	73	
2-Fluorobiphenyl	46	
2,4,6-Tribromophenol	54	
Terphenyl-d14	68	
PCB's (Monitoring Wells & Solid/Hazardou	Analyst : PDB	Notebook Reference : 94-197-722
Method : SW846/8080/3540	Units : MG/KG	Date Analyzed : 04/04/95
Compounds Detected	Results	Date Extracted : 04/03/95
PCB 1016	ND<0.1	
PCB 1221	ND<0.1	
PCB 1232	ND<0.1	

PCB RESULTS ARE CALCULATED ON A DRY WEIGHT BASIS.

For questions regarding this report, please call and ask for Customer Services.

CC :

QC1

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

FLI
FRIEND LABORATORY I · N · C
ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

Semivolatiles

DATE Apr 19, 1995

LAB SAMPLE ID : 78478

Allegany County DPW

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-3 SOUTH EAST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O. NO. :	

PCB 1242	ND<0.1
PCB 1248	ND<0.1
PCB 1254	ND<0.1
PCB 1260	ND<0.1
Surrogate Recovery (%)	
Decachlorobiphenyl	112

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

The Information in this report is accurate to the best of our knowledge and ability. In no event shall our liability excee the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
FRIEND LABORATORY I · N · C

Volatiles ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Apr 5, 1995

LAB SAMPLE ID : 78478

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE :	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN :	TEST PIT-3 SOUTH EAST
DESCRIPTION :	COMPOSITE
SAMPLED ON :	03/28/95 by FLI/CSF
DATE RECEIVED :	03/28/95
P.O. NO. :	

ZHE list by 8240(Total) Analyst : CPW Notebook Reference : 95-048-1210
Method : SW846/5030/8240 Units : UG/KG Date Analyzed : 04/04/95

Compounds Detected	Results	
Vinyl Chloride	ND<25	0.2
1,1-Dichloroethene	ND<25	0.7
2-Butanone (MEK)	ND<250	200
Chloroform	ND<25	6.0
Benzene	ND<25	0.5
Carbon Tetrachloride	ND<25	0.5
1,2-Dichloroethane	ND<25	0.5
Trichloroethene	ND<25	0.5
Tetrachloroethene	ND<25	0.7
Chlorobenzene	ND<25	100
1,4-Dichlorobenzene	ND<25	7.5
1,1,1-Trichloroethane	ND<25	
Surrogate Recovery (%)		
Toluene-d8	99	
4-Bromofluorobenzene	100	
Dibromofluoromethane	102	

For questions regarding this report, please call and ask for Customer Services.

CC :

QC

Approved by: Lindsey Brown
QUALITY ASSURANCE

NY 10252 PA 68180 NJ 73168 EPA NY 033

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FLI
FRIEND LABORATORY I · N · C

ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE Mar 30, 1995

LAB SAMPLE ID : 78478

Allegany County DPW
John Mancuso
Room 210 County Office

Belmont NY 14813

SAMPLE SOURCE	EQUIPMENT SHOP-FRIENDSHIP
ORIGIN	TEST PIT-3 SOUTH EAST
DESCRIPTION	COMPOSITE
SAMPLED ON	03/28/95 by FLI/CSF
DATE RECEIVED	03/28/95
P.O. NO.	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference	Analyst
Solids, Total	84.88	percent	03/29/95	CLP 3.0	94-204-87	JAS

For questions regarding this report, please call Customer Services.

CC :

QC

NY 10252 PA 68180 NJ 73168 EPA NY 033

Approved by: Lindsey Brown
QUALITY ASSURANCE

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

DEC - FYI

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 Wolf Road, Albany, New York 12233-7251
Division of Solid & Hazardous Materials
Bureau of Material Storage, Combustion & Regulation
(518) 485-8988 FAX: (518) 485-8769

Michael D. Zagata
Commissioner

M E M O R A N D U M

TO: Jeff Edwards, Division of Hazardous Waste Remediation

FROM: William A. Yeman, Technical Determination Section

SUBJECT: Hazardous Waste Determination for Friendship Foundry Site 9-02-015

DATE: NOV 09 1995

This is in response to your memo of October 25, 1995 (received here on October 30) and our telephone conversation of October 24. You requested that we examine whether *listed* hazardous wastes were present at the site. You indicated that EPA had removed all drums as well as foundry sand and other foundry wastes, but asked whether residual foundry sand and baghouse dust wastes -- or any other residual wastes -- qualified as listed hazardous waste.

There is no evidence that any *listed* hazardous wastes are present at the site, although the information you forwarded suggested three "candidates." A brief discussion of each is given below:

K061

Baghouse dusts from certain furnaces used to melt steel meet the K061 hazardous waste definition. However, as indicated in the enclosed June 15, 1993 letter from EPA, baghouse dusts from foundries are excluded.

B00x

The "Site Description and History" noted that there was "PCB contamination of a basement sump," but none of the analytical sheets show PCB concentrations above 50 ppm. Because 371.4(e)(1) requires that a waste (except solvent flushings) have a PCB concentration ≥ 50 ppm in order to meet the B00x definitions, we cannot conclude that this site contains listed hazardous waste number B00x.

F001

The "Site Description and History" noted that 1,1,1-trichloroethane had been used for degreasing at the foundry. However, none of the analytical sheets show any detectable levels of the chemical. Therefore, we cannot conclude that this site contains listed hazardous waste number F001.

Comment regarding D008 *characteristic* hazardous waste

It is noted that the "total" lead concentration for the baghouse dust (CDPL1) was 4320 ppm, but that the TCLP concentration was only 0.477 ppm (ie, less than the D008 regulatory threshold of 5 ppm). While such results are entirely possible, it is somewhat unexpected to have so little of the 4320 ppm of lead present leach during the (18-hour) TCLP test, given the affinity of the test's acetate ions for lead. It may well be due to the presence of high iron levels.

FILE

To

6/23/93

FYI

RECEIVED
JUN 22 1993
DIRECTOR'S OFFICE
DIVISION OF HAZARDOUS
SUBSTANCES REGULATION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION II
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, NEW YORK 10278

JUN 15 1993

Mr. Norman Nosenchuck, Director
Division of Hazardous Substances Regulation
New York State Department of
Environmental Conservation
50 Wolf Road
Albany, NY 12233

Dear Mr. Nosenchuck:

This is in response to the request you made in a telephone conversation with Helen Beggun and George Meyer, of my staff, on June 9, 1993, regarding the status of activities and disposal options related to the KO61 mixed waste at Auburn Steel located in Syracuse, NY. You requested that the U.S. Environmental Protection Agency (EPA) provide written confirmation as to the applicable EPA definition of KO61 waste.

As George confirmed during the telephone call, KO61 is generated in primary steel production using electric arc furnaces. KO61 is not generated by foundary operations using the electric arc furnace to melt steel scrap for castings. EPA made this clear in the response to comments received in the interim final rule for KO61 listing.

KO61 is generated in the primary production of steel regardless of the combination of "raw" materials used. It does not make a difference whether steel scrap or ore or pig iron or any combination of these is used. This supersedes the interpretation on the generation of KO61 waste contained in the letter from James Scarborough, EPA, Region IV dated January 13, 1993. Guidance used in making this determination can be found in the RCRA Permit Policy Compendium (April, 1992) as indicated below. A copy of the Compendium was sent to each State by EPA Headquarters.

(1) Letter to William English from John P. Lehman dated December 2, 1980 (9444.1980(05)).

(2) Memorandum from Alan Corson to Chief, Residuals Management Branch dated July 11, 1983 (9444.1983(02)).

(3) Letter to Len Devaney from Matthew A. Straus dated May 3, 1984 (9441.1984(08)).

(4). RCRA/Superfund Hotline Monthly Report (Matt Straus) dated August, 1984 (9444.1984(16)).

(5). Letter to Abe Esral from Marcia Williams dated January 27, 1986 (9444.1986(02)).

George has also spoken to Robert Kaiser, a Section Chief in the Waste Identification Branch in EPA Headquarters, who confirmed the above interpretation.

If you have any questions, please call me at (212) 264-2301 or George Meyer at (212) 264-8356.

Sincerely yours,

Conrad Simon, Director
Air & Waste Management Division

cc: William F. Brandes (OS-333)
Robert Kaiser (OS-333)

SAMPLE ID CONVERSION	
ID in RI Report and ROD	**ID on Sample Sheets**
BDUST-1	SS-4
BDUST-2	CDPL1
DECON-1	DSPL1
DECON-2	SWDECS
DRUM-1	FSSP23
FLOOR-1	SS-2
FLOOR-2	SS-3
FSAND-1	SS-1
FSAND-2	FSPL1
SCREEK-1	SCPL1U
SCREEK-2	SCPL1D
SOIL-1	FSAP23
SUMP-1	PBLDG1
TP4-1	TP-404
TP5-1	TP-505
TP7-1	TP-701
TP7-2	TP7-02
TP8-1	TP-83
TP12-1	TP-1206
VCCREEK-1	MCP2UP
VCCREEK-2	SCKUP1
VCCREEK-3	MCP2DN
VCCREEK-4	SWFDUP

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FSSP23

Lab Name: NYTEST_ENV_INC Contract: 9421457

Lab Code: NYTEST Case No.: 22820 SAS No.: SDG No.: FF1

Matrix (soil/water): WATER Lab Sample ID: T282011

Level (low/med): LOW Date Received: 12/27/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	834		N	P
7440-39-3	Barium	496			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	34.7			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	115			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	5.3			CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	76.0	U		P
7440-22-4	Silver	6.0	U	*	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TCLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FSPL1

Lab Name: NYTEST_ENV_INC Contract: 9421457

Lab Code: NYTEST Case No.: 22820 SAS No.: SDG No.: FF1

Matrix (soil/water): WATER Lab Sample ID: T282003

Level (low/med): LOW Date Received: 12/27/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	46.0	U	N	P
7440-39-3	Barium	1680			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	30.6			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	28.2			P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	769			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	76.0	U		P
7440-22-4	Silver	11.8		*	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TCLP

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CDPL1

Lab Name: NYTEST_ENV_INC Contract: 9421457

Lab Code: NYTEST Case No.: 22820 SAS No.: SDG No.: FF1

Matrix (soil/water): WATER Lab Sample ID: T282006

Level (low/med): LOW Date Received: 12/27/94

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	46.0	U	N	P
7440-39-3	Barium	662			P
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	47.6			P
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.0	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	477			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium	76.0	U		P
7440-22-4	Silver	6.0	U	*	P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
5955-70-0	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

TCLP

TABLE 1-A

Analytical Data Summary
Friendship Foundry
Building Sampling

	SS-1 UG/L	SS-2 UG/L	SS-3 UG/L	SS-4 UG/L
TCLP Volatiles				
Vinyl Chloride	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U
2-Butanone	10 U	10 U	8 BJ	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U
Carbon Tetrachlori	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	2 J	10 U
Tetrachloroethene	10 U	10 U	10 U	10 U
Chlorobenzene	10 U	10 U	10 U	10 U
TCLP Semi-Volatil				
Pyridine	10 U	10 U	10 U	10 U
1,4-Dichlorobenzen	10 U	10 U	10 U	10 U
2-Methylphenol	10 U	10 U	3 J	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
M+P Methylphenol	10 U	10 U	2 J	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Hexachlorobutadie	10 U	10 U	10 U	10 U
2,4,6-Trichlorophen	10 U	10 U	10 U	10 U
2,4,5-Trichlorophen	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
Hexachlorobenzen	10 U	10 U	10 U	10 U
Pentachlorophenol	25 U	25 U	25 U	25 U
TCLP Pesticide				
gamma-BHC	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxid	0.05 U	0.05 U	0.05 U	0.05 U
Endrin	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	0.5 U	0.5 U	0.5 U	0.5 U
Toxaphene	5 U	5 U	5 U	5 U
Tech Chlordane	0.2 U	0.2 U	0.2 U	0.2 U
TCLP Herbicide				
2,4-D	10 U	10 U	10 U	10 U
2,4,5-TP(Silvex)	0.2 U	0.2 U	0.2 U	0.2 U
TCLP Metals				
Arsenic	97.3 U	97.3 U	97.3 U	97.3 U
Barium	607	549	506	482
Cadmium	12.3	13.3	47.2	17.1
Chromium	13	8.2 B	34.9	6.7 U
Lead	654	149	1560	262
Mercury	0.3	0.59	0.2 U	0.2 U
Selenium	51.8 U	64.5	51.8 U	51.8 U
Silver	7.2 U	7.2 U	7.2 U	7.2 U

U: Analyzed for but not detected
B: (organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
B: (inorganics) detected below contract required detection limit but above the instrument detection limit

TABLE 3-E

Analytical Data Summary
Friendship Foundry
SEDIMENT Sampling

	FSPL1 mg/L	FSSP23 mg/L	CDPL1 mg/L
TCLP Volatiles			
Vinyl Chloride	0.05 U	0.05 U	0.05 U
1,1-Dichloroethene	0.05 U	0.05 U	0.05 U
Chloroform	0.05 U	0.05 U	0.05 U
2-Butanone	0.05 U	0.05 U	0.05 U
1,2-Dichloroethane	0.05 U	0.05 U	0.05 U
Carbon Tetrachlori	0.05 U	0.05 U	0.05 U
Trichloroethene	0.05 U	0.05 U	0.05 U
Benzene	0.05 U	0.05 U	0.05 U
Tetrachloroethene	0.05 U	0.05 U	0.05 U
Chlorobenzene	0.05 U	0.05 U	0.05 U
TCLP Semi-Volatil			
Pyridine	0.04 U	0.04 U	0.04 U
1,4-Dichlorobenzen	0.04 U	0.04 U	0.04 U
2-Methylphenol	0.04 U	0.04 U	0.04 U
Hexachloroethane	0.04 U	0.04 U	0.04 U
3+4 Methylphenol	0.08 U	0.08 U	0.08 U
Nitrobenzene	0.04 U	0.04 U	0.04 U
Hexachlorobutadie	0.04 U	0.04 U	0.04 U
2,4,6-Trichlorophen	0.04 U	0.04 U	0.04 U
2,4,5-Trichlorophen	0.04 U	0.04 U	0.04 U
2,4-Dinitrotoluene	0.04 U	0.04 U	0.04 U
Hexachlorobenzen	0.04 U	0.04 U	0.04 U
Pentachlorophenol	0.2 U	0.2 U	0.2 U
TCLP Metals	UG/L	UG/L	UG/L
Arsenic	46 U	834	46 U
Barium	1680	496	662
Cadmium	30.6	34.7	47.6
Chromium	28.2	5 U	5 U
Lead	769	115	477
Mercury	0.2 U	5.3	0.2 U
Selenium	76 U	76 U	76 U
Silver	11.8	6 U	6 U

U: Analyzed for but not detected
B: (organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
B:(inorganics) detected below contract required detection limit but above the instrument detection li

TABLE 2-E

Analytical Data Summary
Friendship Foundry
TEST PITS Sampling

	TP1206 UG/L		TP702 UG/L		TP404 UG/L		TP505 UG/L		TP701 UG/L		TP83 UG/L	
TCLP Volatiles												
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	10	U	10	U	6	J	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachlori	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Benzene	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
TCLP Semi-Volatile												
Pyridine	10	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzen	10	U	10	U	10	U	10	U	10	U	10	U
2-Methylphenol	10	U	10	U	10	U	10	U	10	U	10	U
Hexachloroethane	10	U	10	U	10	U	10	U	10	U	10	U
M+P Methylphenol	10	U	10	U	10	U	10	U	10	U	10	U
Nitrobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Hexachlorobutadie	10	U	10	U	10	U	10	U	10	U	10	U
2,4,6-Trichlorophen	10	U	10	U	10	U	10	U	10	U	10	U
2,4,5-Trichlorophen	25	U	25	U	25	U	25	U	25	U	25	U
2,4-Dinitrotoluene	10	U	10	U	10	U	10	U	10	J	10	U
Hexachlorobenzen	10	U	10	U	10	U	10	U	10	U	10	U
Pentachlorophenol	25	U	25	U	25	U	25	U	25	U	25	U
TCLP Pesticide												
gamma-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endrin	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Methoxychlor	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toxaphene	5	U	5	U	5	U	5	U	5	U	5	U
Tech Chlordane	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
TCLP Herbicide												
2,4-D	10	U	10	U	10	U	10	U	10	U	10	U
2,4,5-TP(Silvex)	2	U	2	U	2	U	2	U	2	U	2	U
TCLP Metals												
Arsenic	97.3	U	97.3	U	97.3	U	97.3	U	97.3	U	97.3	U
Barium	581		292		442		540		546		985	
Cadmium	6.5		5	U	5	U	5	U	7.1		20.3	
Chromium	6.7	U	6.7	U	6.7	U	6.7	U	9.5	B	6.7	U
Lead	55.9	U	55.9	U	55.9	U	55.9	U	55.9	U	296	
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.21		0.41	
Selenium	51.8	U	51.8	U	51.8	U	58.9		51.8	U	51.8	U
Silver	7.2	U	7.2	U	7.2	U	7.2	U	7.2	U	7.2	U

U: Analyzed for but not detected
B: Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
B: (inorganics) detected below contract required detection limit but above the instrument detection limit

TABLE 2-A

Analytical Data Summary
Friendship Foundry/Test Pits Samplin

VOLATILES TCL	TP-701 (g/kg)	
Chloromethane	62	U
Bromomethane	62	U
Vinyl chloride	62	U
Chloroethane	62	U
Methylene chloride	21	J
Acetone	150	B
Carbon Disulfide	62	U
1,1-Dichloroethene	62	U
1,1-Dichloroethane	62	U
1,2-Dichloroethene (Tota	62	U
Chloroform	62	U
1,2-Dichloroethane	62	U
2-Butanone	39	BJ
1,1,1-Trichloroethane	62	U
Carbon Tetrachloride	62	U
Bromodichloromethane	62	U
1,2-Dichloropropane	62	U
cis-1,3-Dichloropropene	62	U
Trichloroethene	62	U
Dibromochloromethane	62	U
1,1,2-Trichloroethane	62	U
Benzene	62	U
trans-1,3-Dichloropropen	62	U
Bromoform	62	U
4-Methyl-2-pentanone	62	U
2-Hexanone	62	U
Tetrachloroethene	62	U
1,1,2,2-Tetrachloroethan	62	U
Toluene	9	J
Chlorobenzene	62	U
Ethyl benzene	6	J
Styrene	62	U
Total Xylenes	360	

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 2-B

Analytical Data Summary
Friendship Foundry/Test Pits Sampling

SEMIVOLATILES TCL	TP-701 (g/kg)		TP-701 RE (g/kg)	
Phenol	240	J	1100	
Bis(2-chloroethyl) ether	390	U	780	U
2-Chlorophenol	390	U	780	U
1,3-Dichlorobenzene	390	U	780	U
1,4-Dichlorobenzene	390	U	780	U
1,2-Dichlorobenzene	390	U	780	U
2-Methylphenol	390	U	130	J
Bis(2-chloroisopropyl) et	390	U	780	U
4-Methylphenol	390	U	780	U
N-Nitroso-Di-n-propylam	390	U	780	U
Hexachloroethane	390	U	780	U
Nitrobenzene	390	U	780	U
Isophorone	390	U	780	U
2-Nitrophenol	390	U	780	U
2,4-Dimethylphenol	390	U	780	U
Bis(2-chloroethoxy) met	390	U	780	U
2,4-Dichlorophenol	390	U	780	U
1,2,4-Trichlorobenzene	390	U	780	U
Naphthalene	290	J	1600	
4-Chloroaniline	390	U	780	U
Hexachlorobutadiene	390	U	780	U
4-Chloro-3-methylpheno	390	U	780	U
2-Methylnaphthalene	170	J	700	J
Hexachlorocyclopentadi	390	U	780	U
2,4,6-Trichlorophenol	390	U	780	U
2,4,5-Trichlorophenol	980	U	2000	U
2-Chloronaphthalene	390	U	780	U
2-Nitroaniline	980	U	2000	U
Dimethyl phthalate	390	U	780	U
Acenaphthylene	180	J	680	J
2,6-Dinitrotoluene	390	U	780	U
3-Nitroaniline	980	U	2000	U
Acenaphthene	110	J	260	J
2,4-Dinitrophenol	980	U	2000	U
4-Nitrophenol	980	U	2000	U
Dibenzofuran	99	J	180	J
2,4-Dinitrotoluene	390	U	780	U
Diethyl phthalate	390	U	780	U
4-Chlorodiphenylether	390	U	780	U
Fluorene	310	J	700	J
4-Nitroaniline	980	U	2000	U
4,6-Dinitro-2-methylphe	980	U	2000	U
N-nitrosodiphenylamine	390	U	780	U
4-Bromophenyl phenyl e	390	U	780	U
Hexachlorobenzene	390	U	780	U
Pentachlorophenol	980	U	2000	U
Phenanthrene	1600		5000	
Anthracene	490		1200	
Carbazole	480		1500	
Di-n-butyl phthalate	390	U	980	
Fluoranthene	1900		5900	
Pyrene	1800		5800	
Butyl benzyl phthalate	390	U	780	U
3,3'-Dichlorobenzidine	390	U	780	U
Benzo(a)anthracene	1200		3500	
Chrysene	960		3100	
Bis(2-ethylhexyl) phthal	390	U	780	U
Di-n-octyl phthalate	390	U	780	U
Benzo(b)fluoranthene	1500		3000	
Benzo(k)fluoranthene	1200		3600	
Benzo(a)pyrene	1200		3900	
Indeno(1,2,3-cd)pyrene	800		2300	
Dibenzo(a,h)anthracene	330	J	1100	
Benzo(ghi)perylene	880		2500	

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sampl
J: Estimated value, below quantitation limit

TABLE 2-D

Analytical Data Summary
Friendship Foundry/Test Pits Sampling

METALS TCL	TP-1206 (mg/kg)	TP-505 (mg/kg)	TP-701 (mg/kg)
Aluminum	10400	7870	8370
Antimony	13.2 U	12.5 U	13.3
Arsenic	14.2	7.9	8.7
Barium	74	93	90.5
Beryllium	0.36 B	0.5 B	0.28 B
Cadmium	1.6	1.1 U	1.2
Calcium	29200	1570	5600
Chromium	23.4	10.9	29.5
Cobalt	10.3 B	8.7 B	5.9 B
Copper	58.6	25.3	32.5
Iron	27100	19100	49800
Lead	186	94.8	102
Magnesium	4210	1350	1810
Manganese	467	205	648
Mercury	0.44	0.21	0.12 U
Nickel	21.8	17.5	17.2
Potassium	1090 B	861 B	927 B
Selenium	0.29 B	0.65 B	0.33 B
Silver	1.6 U	1.6 U	1.6 U
Sodium	204 B	192 B	1180
Thallium	0.42 U	0.53 B	0.43 B
Vanadium	17.9	17.2	28
Zinc	787	85.6	126
Cyanide			

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
B: (inorganics) detected below contract required detection limit but above the instrument detection li

TABLE 2-C

Analytical Data Summary
Friendship Foundry/Test Pits Sampling

PESTICIDE/PCB TCL	TP-701 (g/kg)		TP-701 RE (g/kg)	
alpha-BHC	2	U	2	U
beta-BHC	2	U	2	U
delta-BHC	2	U	5.2	
gamma-BHC (Lindane)	2	U	2	U
Heptachlor	2	U	2	U
Aldrin	2	U	2	U
Heptachlor Epoxide	1	J	2	U
Endosulfan I	2	P	2	U
Dieldrin	3.4	JP	3.9	U
4,4'-DDE	3.9	U	3.9	U
Endrin	6.6	P	6.4	P
Endosulfan II	1.9	JP	2.2	JP
4,4'-DDD	3.9	U	3.9	U
Endosulfan Sulfate	3.9	U	3.9	U
4,4'-DDT	3.9	U	3.9	U
Methoxychlor	20	U	20	U
Endrin Ketone	3.9	U	3.9	U
Endrin aldehyde	3.9	U	3.9	U
alpha-Chlordane	0.7	JP	2	U
gamma-Chlordane	2	U	2	U
Toxaphene	200	U	200	U
Aroclor-1016	39	U	39	U
Aroclor-1221	78	U	78	U
Aroclor-1232	39	U	39	U
Aroclor-1242	39	U	39	U
Aroclor-1248	39	U	39	U
Aroclor-1254	39	U	39	U
Aroclor-1260	39	U	39	U

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
P: Percent difference between results from quantitative and confirmatory column is greater than 25 percent

TABLE 4-D

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

METALS TCL	MW1 (UG/L)	MW2 (UG/L)	MW3 (UG/L)	MW4 (UG/L)	MW4D (UG/L)	MW6 (UG/L)	PBLDG1 (UG/L)	SCKDW2 (UG/L)	SCKUP1 (UG/L)	SWDEC5 (UG/L)	"SWFDU (UG/L)
Aluminum	162 B	108.00 B	57.90 B	878.00	1390.00	9.10 U	193.00 B	172.00 B	75.9 B	765	323
Antimony	6.4 U	6.40 U	6.40 U	6.40 U	6.40 U	6.40 U	6.40 U	6.40 U	6.4 U	6.4 U	6.4 U
Arsenic	4.3 U	4.30 U	4.50 B	4.30 U	11.40	4.30 U	4.50 B	4.30 U	4.3 U	4.3 U	4.3 U
Barium	76 B	39.20 B	34.80 B	46.90 B	209.00	65.30 B	61.60 B	14.70 B	14.3 B	55.6 B	40.6 B
Beryllium	0.5 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.5 U	0.5 U	0.5 U
Cadmium	1.3 U	1.30 U	1.30 U	1.30 U	1.30 U	1.30 U	18.30	1.30 U	1.3 U	1.3 U	1.3 U
Calcium	69700	28100.00	30400.00	40600.00	60600.00	86900.00	45300.00	10300.00	9920	311000	28700
Chromium	1.6 U	1.60 U	1.60 U	1.60 U	1.60 U	1.60 U	6.90 B	1.60 U	1.6 U	19.1	7.7 B
Cobalt	6.5 U	6.50 U	6.50 U	6.50 U	6.50 U	6.50 U	6.50 U	6.50 U	6.5 U	6.5 U	6.5 U
Copper	3 U	3.00 U	3.00 U	5.40 B	4.10 B	3.90 B	106.00	6.60 B	3.1 B	38.7	19.6 B
Iron	1870	421.00	264.00	2500.00	3160.00	2490.00	22600.00	223.00	222	12400	7340
Lead	2.4 U	2.40 U	2.40 U	2.40 U	2.40 U	2.40 U	49.10	2.40 U	2.4 U	119	49.3
Magnesium	28100	4880.00 B	5610.00	10800.00	15500.00	12000.00	6550.00	3700.00 B	3320 B	2300 B	1830 B
Manganese	5280	379.00	64.50	3090.00	520.00	6200.00	728.00	11.90 B	13.6 B	372	302
Mercury	0.26	0.29	0.36	0.34	0.34	0.30	0.20 U	0.29	0.25	0.2 U	0.2 U
Nickel	5.8 U	5.80 U	5.80 U	9.70 B	8.60 B	5.80 U	14.70 B	6.90 B	5.8 U	16.1 B	12.00 B
Potassium	7220	8060.00	4410.00 B	3130.00 B	2870.00 B	8170.00	12600.00	1420.00 B	1120 B	4150 B	3680 B
Selenium	2.9 U	2.90 U	4.10 B	2.90 U	2.90 U	2.90 U	5.20	2.90 U	5.5	2.9 U	2.9 U
Silver	1.7 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.70 U	1.7 U	1.7 U	1.7 U
Sodium	20800	45900.00	46600.00	24000.00	19100.00	47500.00	62000.00	7990.00	8210	1470 B	1550 B
Thallium	6 U	6.00 U	6.00 U	6.00 U	1.20 U	1.20 U	1.20 U	1.20 U	6 U	1.2 U	1.2 U
Vanadium	2.5 U	2.50 U	2.50 U	2.50 B	3.10 B	2.50 U	2.60 B	2.50 U	2.5 U	4.3 B	2.5 U
Zinc	4.8 B	4.90 B	17.70 B	10.90 B	14.80 B	7.70 B	2530.00	8.10 B	7.80 B	468	253
Cyanide											

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
B: (inorganics) detected below contract requiered detection limit but above the instrument detection limit

TABLE 4-C

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

PESTICIDE/PCB TCL	MW1 (UG/L)		MW2 (UG/L)		MW3 (UG/L)		MW (UG/L)		MW4 (UG/L)		MW (UG/L)		PBLD (UG/L)		SWD (UG/L)		SWFD (UG/L)	
alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05		0.05	U
beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.023	J
delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Aldrin	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Dieldrin	0.10	U	0.10	U	0.10	U	0.10	U	0.029	JP	0.10	U	0.14	JP	0.10	U	0.031	JP
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.22	J	0.10	U	0.18	J	0.10	U	0.016	JP
Endrin	0.10	U	0.10	U	0.10	U	0.10	U	0.037	J	0.10	U	1.00	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.018	J
Endosulfan Sulfate	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.48	JP	0.50	U	0.50	U
Endrin Ketone	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
alpha-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
gamma-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U	0.017	JP	0.05	U	0.50	U	0.05	U	0.015	JP
Toxaphene	5	U	5	U	5	U	5	U	5	U	5	U	50.00	U	5	U	5	U
Aroclor-1016	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1221	2	U	2	U	2	U	2	U	2	U	2	U	20.00	U	2	U	2	U
Aroclor-1232	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1242	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1248	1	U	1	U	1	U	1	U	1	U	1	U	73.00		1	U	1	U
Aroclor-1254	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1260	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
P: Percent difference between results from quantitative and confirmatory columns is greater than 25 percent

TABLE 4-A

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

VOLATILES TCL	MW1 (UG/L)	MW2 (UG/L)	"MW3 (UG/L)	"MW4 (UG/L)	"MW4D (UG/L)	"MW6 (UG/L)	"PBLDG1 (UG/L)	"SWDECS (UG/L)	"SWFDUP (UG/L)
Chloromethane	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U
Acetone	10 U	10 U	7 BJ	7 BJ	12 B	14 B	20 B	24 B	27 B
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	25	7 J	10 U	10 U
1,2-Dichloroethene (Total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	6 J	10 U	0.8 J	4 J	10 U	6 BJ	10 U	7 BJ
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	12	20	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	0.4 J	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U	10 U	3 J	5 J

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 4-C

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

PESTICIDE/PCB TCL	MW1 (UG/L)		MW2 (UG/L)		MW3 (UG/L)		MW (UG/L)		MW4 (UG/L)		MW (UG/L)		PBLD (UG/L)		SWD (UG/L)		SWFD (UG/L)	
alpha-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05		0.05	U
beta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.023	J
delta-BHC	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
gamma-BHC (Lindane)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Heptachlor	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Aldrin	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Heptachlor Epoxide	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Endosulfan I	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
Dieldrin	0.10	U	0.10	U	0.10	U	0.10	U	0.029	JP	0.10	U	0.14	JP	0.10	U	0.031	JP
4,4'-DDE	0.10	U	0.10	U	0.10	U	0.10	U	0.22	J	0.10	U	0.18	J	0.10	U	0.016	JP
Endrin	0.10	U	0.10	U	0.10	U	0.10	U	0.037	J	0.10	U	1.00	U	0.10	U	0.10	U
Endosulfan II	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
4,4'-DDD	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.018	J
Endosulfan Sulfate	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
4,4'-DDT	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
Methoxychlor	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.48	JP	0.50	U	0.50	U
Endrin Ketone	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
Endrin aldehyde	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	1.00	U	0.10	U	0.10	U
alpha-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.50	U	0.05	U	0.05	U
gamma-Chlordane	0.05	U	0.05	U	0.05	U	0.05	U	0.017	JP	0.05	U	0.50	U	0.05	U	0.015	JP
Toxaphene	5	U	5	U	5	U	5	U	5	U	5	U	50.00	U	5	U	5	U
Aroclor-1016	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1221	2	U	2	U	2	U	2	U	2	U	2	U	20.00	U	2	U	2	U
Aroclor-1232	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1242	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1248	1	U	1	U	1	U	1	U	1	U	1	U	73.00		1	U	1	U
Aroclor-1254	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U
Aroclor-1260	1	U	1	U	1	U	1	U	1	U	1	U	10.00	U	1	U	1	U

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
P: Percent difference between results from quantitative and confirmatory columns is greater than 25 percent

TABLE 4-A

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

VOLATILES TCL	MW1 (UG/L)	MW2 (UG/L)	"MW3 (UG/L)	"MW4 (UG/L)	"MW4D (UG/L)	"MW6 (UG/L)	"PBLDG1 (UG/L)	"SWDECS (UG/L)	"SWFDUP (UG/L)
Chloromethane	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U
Acetone	10 U	10 U	7 BJ	7 BJ	12 B	14 B	20 B	24 B	27 B
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	25	7 J	10 U	10 U
1,2-Dichloroethene (Total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	6 J	10 U	0.8 J	4 J	10 U	6 BJ	10 U	7 BJ
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	12	20	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	0.4 J	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U	10 U	3 J	5 J

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 4-A

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

VOLATILES TCL	MW1 (UG/L)	MW2 (UG/L)	"MW3 (UG/L)	"MW4 (UG/L)	"MW4D (UG/L)	"MW6 (UG/L)	"PBLDG1 (UG/L)	"SWDECS (UG/L)	"SWFDUP (UG/L)
Chloromethane	10 U	10 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U
Bromomethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U
Acetone	10 U	10 U	7 BJ	7 BJ	12 B	14 B	20 B	24 B	27 B
Carbon Disulfide	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10 U	25	7 J	10 U	10 U
1,2-Dichloroethene (Total)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	10 U	6 J	10 U	0.8 J	4 J	10 U	6 BJ	10 U	7 BJ
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10 U	12	20	10 U	10 U
Carbon Tetrachloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10 U	10 U	0.4 J	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10 U	1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1 J	1 J
Chlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethyl benzene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	10 U	10 U	3 J	5 J

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 4-B

Analytical Data Summary
FRIENDSHIP FOUNDRY
MONITORING WELLS/SURFACE WATER SAMPLING

SEMIVOLATILES TCL	MW1 (UG/L)	MW2 (UG/L)	"MW3 (UG/L)	"MW4 (UG/L)	"MW4D (UG/L)	"MW6 (UG/L)	"PBLDG1 (UG/L)	"SWDECS (UG/L)	"SWFDUP (UG/L)	"SCKUP1 (UG/L)
Phenol	10 U	10 U	10 U	10 U	10 U	10 U	570	530	610	10 U
Bis(2-chloroethyl) ether	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Bis(2-chloroisopropyl) ether	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
4-Methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	11 J	10 U
N-Nitroso-Di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Bis(2-chloroethoxy) methan	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	86 J	170	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2-Methylnaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	42 J	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4,5-Trichlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
2-Chloronaphthalene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
Dimethyl phthalate	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Acenaphthylene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
3-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
Acenaphthene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4-Dinitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
4-Nitrophenol	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Diethyl phthalate	1 J	10 U	10 U	10 U	10 U	2 J	500 U	100 U	100 U	10 U
4-Chlorodiphenylether	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
4-Nitroaniline	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
4,6-Dinitro-2-methylphenol	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
N-nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
4-Bromophenyl phenyl ethe	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U	25 U	1300 U	250 U	250 U	25 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Anthracene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Di-n-butyl phthalate	41 B	36 B	48 B	42 B	30 B	47 B	57 BJ	35 BJ	54 BJ	43 B
Fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Butyl benzyl phthalate	0.9 BJ	10 U	9 BJ	2 BJ	10 U	13 B	500 U	100 U	100 U	10 U
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Benzo(a)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Bis(2-ethylhexyl) phthalate	10 U	2 J	10 U	10 U	10 U	10 U	500 U	100 U	15 J	10 U
Di-n-octyl phthalate	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Benzo(a)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Dibenzo(a,h)anthracene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U
Benzo(ghi)perylene	10 U	10 U	10 U	10 U	10 U	10 U	500 U	100 U	100 U	10 U

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 3-D

Analytical Data Summary
Friendship Foundry/SEDIMENT Sampling

METALS TCL	CDPL1 (mg/kg)	DSPL1 (mg/kg)	FSAP23 (mg/kg)	FSPL1 (mg/kg)	FSSP23 (mg/kg)	MCP2UP (mg/kg)	MCP2DN (mg/kg)
Aluminum	3560	4040	15200	2690	404	9430	8910
Antimony	23	29.9	9 U	37.3	17.1	8.3 U	10 U
Arsenic	20	9.1	10.1	8.7	4.8	11.1	17.8
Barium	136	79	127	114	5.7 B	77	93.8
Beryllium	0.3 U	0.34 U	0.69 B	0.21 U	0.21 U	0.65 B	0.52 B
Cadmium	12.2	2.3	0.47 U	4.5	0.42 U	0.68 B	0.65 B
Calcium	6890	52400	1950	4550	713 B	17800	6020
Chromium	276	96.1	22.2	78.9	22	11.8	10.8 B
Cobalt	31.9	8.4 B	13	11.7	5.8 B	11.7	12.4
Copper	444	98.9	20.2	347	27.5	14	13
Iron	169000	127000	31700	77300	34000	29200	30100
Lead	4320	428	121	844	43.5	42.6	19.5
Magnesium	18600	4730	3030	1740	141 B	4260	3300
Manganese	2660	869	808	1300	1010	721	912 U
Mercury	0.18	0.2	0.43	0.11 U	0.11 U	0.12 U	0.13
Nickel	322	53.3	28.3	90.8	24.9	24.1	22.5 B
Potassium	690 B	714 B	1720	663 B	140 B	945 B	720 U
Selenium	1.6 U	1.5 U	1.2 U	1 U	1.1 U	1.1 U	1.2 U
Silver	7.21	2 U	1.4 U	1.2 U	1.3 U	1.3 U	1.6 U
Sodium	811 B	151 B	82.7 U	202 B	73.3 U	76.3 U	92 U
Thallium	1.6 U	1.5 U	1.2 U	1 U	1.1 U	1.1 U	1.2
Vanadium	52.81	23.6	26.8	26.6	13.8	18.6	18.1
Zinc	766	872	141	1150	28.3	78.2	70.3
Cyanide							

U: Analyzed for but not detected
B: (inorganics) detectsd below contract required detection limit but above the instrument detection limit
J: Estimated value, below quantitation limit

TABLE 3-C

Analytical Data Summary
Friendship Foundry/SEDIMENT Sampling

PESTICIDE/PCB TCL	DSPL1 (g/kg)		FSPL1 (g/kg)		FSSP23 (g/kg)		SCPL1 (g/kg)	SCPL1 (g/kg)	CDPL (g/kg)
alpha-BHC	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
beta-BHC	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
delta-BHC	15	P	1.9	U	1.9	U	2.2 U	2.9 U	3 U
gamma-BHC (Lindane)	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
Heptachlor	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
Aldrin	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
Heptachlor Epoxide	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	4.9 PY
Endosulfan I	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
Dieldrin	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.9 U
4,4'-DDE	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.9 U
Endrin	11	U	3.7	U	3.7	U	4.2 U	5.7 U	10 PY
Endosulfan II	11	U	3.7	U	3.7	U	4.2 U	5.7 U	6.2 P
4,4'-DDD	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.9 U
Endosulfan Sulfate	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.9 U
4,4'-DDT	11	U	3.7	U	3.7	U	4.2 U	5.7 U	7.8 PY
Methoxychlor	5.9	U	180		19	U	22 U	29 U	30 U
Endrin Ketone	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.8 JP
Endrin aldehyde	11	U	3.7	U	3.7	U	4.2 U	5.7 U	5.9 U
alpha-Chlordane	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	3 U
gamma-Chlordane	5.9	U	1.9	U	1.9	U	2.2 U	2.9 U	6.1 Y
Toxaphene	590	U	190	U	190	U	220 U	290 U	300 U
Aroclor-1016	110	U	37	U	37	U	42 U	57 U	59 U
Aroclor-1221	230	U	75	U	75	U	86 U	120 U	120 U
Aroclor-1232	110	U	37	U	37	U	42 U	57 U	59 U
Aroclor-1242	110	U	37	U	37	U	42 U	57 U	59 U
Aroclor-1248	420	P	37	U	37	U	61	57 U	59 U
Aroclor-1254	110	U	32	J	37	U	42 U	19 J	71
Aroclor-1260	190	U	37	U	37	U	42 U	57 U	59 U

U: Analyzed for but not detected
B: (organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
P: Percent difference between results from quantitative and confirmatory columns is greater than 25 percent
Y: Pesticide detects may be due to Aroclor contribution

TABLE 3-A

Analytical Data Summary
Friendship Foundry/SEDIMENT Sampling

VOLATILES TCL	CDPL1 (g/kg)	DSPL1 (g/kg)	FSPL1 (g/kg)	FSSP23 (g/kg)
Chloromethane	18 U	86 U	11 U	11 U
Bromomethane	18 U	86 U	11 U	11 U
Vinyl chloride	18 U	86 U	11 U	11 U
Chloroethane	18 U	86 U	11 U	11 U
Methylene chloride	15 JB	31 J	5 J	8 JB
Acetone	18 B	14 J	11 U	11 U
Carbon Disulfide	18 U	86 U	11 U	11 U
1,1-Dichloroethene	18 U	86 U	11 U	11 U
1,1-Dichloroethane	18 U	86 U	11 U	11 U
1,2-Dichloroethene (Tota	18 U	53 J	11 U	11 U
Chloroform	18 U	86 U	11 U	11 U
1,2-Dichloroethane	18 U	86 U	11 U	11 U
2-Butanone	18 BJ	86 U	11 U	11 U
1,1,1-Trichloroethane	18 U	86 U	11 U	11 U
Carbon Tetrachloride	18 U	86 U	11 U	11 U
Bromodichloromethane	18 U	86 U	11 U	11 U
1,2-Dichloropropane	18 U	86 U	11 U	11 U
cis-1,3-Dichloropropene	18 U	86 U	11 U	11 U
Trichloroethene	18 U	16 J	11 U	11 U
Dibromochloromethane	18 U	86 U	11 U	11 U
1,1,2-Trichloroethane	18 U	86 U	11 U	11 U
Benzene	18 U	13 J	11 U	11 U
trans-1,3-Dichloropropen	18 U	86 U	11 U	11 U
Bromoform	18 U	86 U	11 U	11 U
4-Methyl-2-pentanone	18 U	86 U	11 U	11 U
2-Hexanone	18 U	86 U	11 U	11 U
Tetrachloroethene	2 J	46 J	4 J	1 J
1,1,2,2-Tetrachloroethan	18 U	86 U	11 U	11 U
Toluene	18 J	110	11 U	11 U
Chlorobenzene	18 U	49 J	11 U	11 U
Ethyl benzene	18 U	53 J	11 U	11 U
Styrene	18 U	86 U	11 U	11 U
Total Xylenes	18 U	11400	11 U	11 U

U: Analyzed for but not detected
B:(organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit

TABLE 3-B

Analytical Data Summary
Friendship Foundry/SEDIMENT Sampling

SEMIVOLATILES TCL	CDPL1 (g/kg)		CDPL1RE (ug/kg)		DSPL1 (g/kg)		DSPL1DL (g/kg)		FSAP23 (g/kg)		FSPL1 (g/kg)	FSSP23 (g/kg)	MCP2UP (g/kg)	MCP2DN (g/kg)
Phenol	4000		4100		22000	E	34000	D	430	U	170 J	370 U	390 U	440 U
Bis(2-chloroethyl) ether	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2-Chlorophenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
1,3-Dichlorobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
1,4-Dichlorobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
1,2-Dichlorobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2-Methylphenol	270	J	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Bis(2-chloroisopropyl) eth	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
4-Methylphenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
N-Nitroso-Di-n-propylamin	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Hexachloroethane	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Nitrobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Isophorone	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2-Nitrophenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,4-Dimethylphenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Bis(2-chloroethoxy) metha	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,4-Dichlorophenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
1,2,4-Trichlorobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Naphthalene	3400	B	3400	B	73000	EB	60000	BD	430	U	60 JB	370 U	390 U	440 U
4-Chloroaniline	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Hexachlorobutadiene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
4-Chloro-3-methylphenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2-Methylnaphthalene	1000		1000		35000	E	46000	D	430	U	370 U	370 U	390 U	440 U
Hexachlorocyclopentadien	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,4,6-Trichlorophenol	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,4,5-Trichlorophenol	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
2-Chloronaphthalene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2-Nitroaniline	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
Dimethyl phthalate	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Acenaphthylene	110	J	120	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,6-Dinitrotoluene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
3-Nitroaniline	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
Acenaphthene	600	U	600	U	480	J	11000	U	430	U	370 U	370 U	390 U	440 U
2,4-Dinitrophenol	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
4-Nitrophenol	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
Dibenzofuran	340	J	320	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
2,4-Dinitrotoluene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Diethyl phthalate	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
4-Chlorodiphenylether	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Fluorene	600	U	600	U	700		11000	U	430	U	370 U	370 U	390 U	440 U
4-Nitroaniline	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
4,6-Dinitro-2-methylphenol	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	930 U	1100 U
N-nitrosodiphenylamine	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
4-Bromophenyl phenyl eth	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Hexachlorobenzene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Pentachlorophenol	1400	U	1400	U	1400	U	28000	U	1000	U	900 U	900 U	390 U	1100 U
Phenanthrene	900		840	U	1100		11000	U	130	J	370 U	370 U	120 J	150 J
Anthracene	220	J	200	J	180	J	11000	U	430	U	370 U	370 U	46 J	180 J
Carbazole	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Di-n-butyl phthalate	260	J	250	J	320	J	11000	U	430	U	370 U	370 U	390 U	440 U
Fluoranthene	560	J	530	J	570	U	11000	U	190	J	370 U	370 U	530	380 J
Pyrene	920		840		580		11000	U	160	J	370 U	370 U	440	280 J
Butyl benzyl phthalate	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
3,3'-Dichlorobenzidine	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Benzo(a)anthracene	150	J	150	J	570	U	11000	U	70	J	370 U	370 U	270 J	160 J
Chrysene	290	J	290	J	570	U	11000	U	100	J	370 U	370 U	250 J	170 J
Bis(2-ethylhexyl) phthalate	640		600	U	2400		2100	JD	210	J	200 J	270 J	150 J	130 J
Di-n-octyl phthalate	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Benzo(b)fluoranthene	160	J	87	J	570	U	11000	U	65	J	370 U	370 U	170 J	98 J
Benzo(k)fluoranthene	84	J	600	U	570	U	11000	U	61	J	370 U	370 U	190 J	100 J
Benzo(a)pyrene	600	U	130	J	570	U	11000	U	46	J	370 U	370 U	160 J	90 J
Indeno(1,2,3-cd)pyrene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	40 J	440 U
Dibenzo(a,h)anthracene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U
Benzo(ghi)perylene	600	U	600	U	570	U	11000	U	430	U	370 U	370 U	390 U	440 U

U: Analyzed for but not detected
B: (organics) Found in associated lab method blank as well as sample
J: Estimated value, below quantitation limit
E: Concentration exceeds instrument callibration range
D: Compounds identified under a secondary dilution factor

Friendship 2 disk/DJL/FFSSTCL

EMPIRE GEO SERVICES, INC.

February 15, 2008

New York State Department of Environmental Conservation
Region 9 – Headquarters Office
270 Michigan Avenue
City of Buffalo, New York 14203

Attention: *Mr. Chad Staniszewski*
Environmental Engineer II

Reference: *Subsurface Investigation*
Former Friendship Foundry Sites
Town of Friendship, New York

Dear Mr. Staniszewski:

Empire Geo Services, Inc. (Empire) has recently completed a subsurface investigation at the former Friendship Foundry sites located in the Town of Friendship, Allegany County, New York as per the request of the New York State Department of Environmental Conservation (NYSDEC). Investigatory work was completed periodically from September 5 to November 20, 2007. The following report summarizes the subsurface conditions encountered, analytical sampling results and associated observations. A site plan for the factory and disposal sites has been prepared by Creekside Boundary and is included with this report.

I. SITE DESCRIPTION

The project was divided into two separate locations consisting of the main site where the factory previously operated and the disposal site where the factory disposed of waste.

The factory site is bounded on the north by Sawyer Avenue, on the south by railroad tracks, on the east by Depot Street and on the west by lands owned by Rochester Gas and Electric (RG&E). Howard Street traverses the factory site. The factory site is currently vacant property, which slopes gently to the south toward the railroad tracks. Brush and large trees are sporadically spaced on both halves of the site (east and west of Howard Street). Fill soil piles are present along the southern portion of the main site causing mound topography.

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The disposal site is located along Elmwood Avenue and is bounded to the east by Elmwood Avenue, to the north by railroad tracks, to the west by North Branch Creek and to the south by residential property. The disposal site was overgrown by trees and brush with a steep slope where the disposal fill limits occurred. The southern portion of the disposal site was relatively flat slopes slightly to the west toward North Branch Creek and contains sporadic trees and brush.

A site location map has been prepared by Empire and is included as Figure No. 1. Detailed drawings depicting site limits, features, and locations of test pits, test borings, monitoring wells, and surface soil samples was prepared by a New York State Professional Surveyor, Creekside Boundary (Creekside), and is included with this report.

II. MAIN FACTORY SITE

A. Subsurface Investigation

The subsurface investigation consisted of performing various test pits spaced in a grid formation to best define the conditions on site. The test pit locations were selected in conjunction with the NYSDEC and were excavated to depths where native soils were encountered. The test pits were excavated utilizing a Ford 555C backhoe with the extended bucket capacity. They were completed by Empire from September 5 to September 10, 2007 under the direction and supervision of an engineer from Empire's staff. Empire was accompanied on site during test pit excavations by a representative from the NYSDEC.

The subsurface conditions existing at the main site to the west of Howard Street consisted of fill material with foundry sands, gravels, cinder and general construction debris (i.e. metal scraps, concrete fragments, etc.) continuing from the ground surface to depths of 3 to 6 feet below ground surface (bgs). The fill material is underlain by a native gray clayey silt to silty clay at depths ranging from 3 to 6 feet bgs. A native sand and gravel material was encountered along the south half of the site at depths of 4 to 7 feet bgs. Numerous concrete slabs were encountered at various test pit locations at depths of 2 to 6 feet bgs, which prevented advancement of the test pit to native soils. Subsurface samples were collected beneath the concrete slabs at a later date, as discussed below. Generally, there was less fill material located to the east of Howard Street with fill depths ranging from ground surface to 6 feet bgs. The fill was underlain by a native brown sand and gravel. The individual test pit logs for the factory site are presented in Appendix B.

Photographs were taken of each test pit excavated at the factory site and are included in Appendix A.

A concrete coring drill was utilized to core through the concrete slabs encountered in the test pits. The core holes were fitted with a PVC pipe to allow collection of samples by means of direct push test borings. A direct push unit was utilized to complete a total of ten (10) test borings (B-1 through B-10). The borings were advanced to depths where

native soils were encountered, which occurred at depths of 2 to 6 feet bgs. The soil sampling was completed in general accordance with *ASTM D6282 – Standard Guide for Direct Push Soil Sampling for Environmental Site Characterizations.* At each boring location, continuous soil sampling was performed from the concrete slab elevation to the termination depth using the Geoprobe® Macro-Core (MC) soil sampling system. The MC soil sampler permits the collection of core samples of soils 1.5-inches in diameter and 48 inches in length. The samplers were fitted with a removable cutting shoe and clear PVC liner. A new liner was utilized for each soil sample in order to prevent cross-contamination between sample intervals and boring locations. The onsite engineer visually classified the recovered soil samples in the field and prepared individual subsurface logs indicating soil types, indications of any contamination, occurrence of groundwater and other pertinent observations. The test borings were completed by Empire's affiliate SJB Services, Inc. on October 3, 2007 under the direction and supervision of an engineer from Empire's staff. The individual direct push logs for the factory site are presented in Appendix C.

B. Laboratory Analytical Results

Soil samples for laboratory analysis were collected at various test pits, direct push boring locations, and surface locations as directed by the NYSDEC. Every test pit, boring and surface soil sample was screened for volatile organic compounds (VOCs) using a PhoCheck 1000 Photoionization Detector (PID) meter to assist in the evaluation for potential contamination. A total of forty-five (45) soil samples for laboratory analysis were collected from the test pits, surface samples, and borings at the factory site. The laboratory samples were taken from the portion of the soil sample that produced the highest PID readings or had visual evidence of potential contamination (i.e. discoloration, odor, metallic appearance, etc). The laboratory data were compared to soil cleanup objectives as per the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 guidelines where applicable.

All samples were placed into pre-cleaned 4 or 8 oz. glass jars, labeled with the date, time, location of the project, and placed into an iced cooler at approximately 4-degrees Celsius for transport via courier to Upstate Laboratories, Inc. (Upstate) located in East Syracuse, NY. Upstate is a New York State Department of Health (NYSDOH) certified analytical testing laboratory. The soil samples were analyzed for VOCs, semi-VOCs, pesticides, herbicides, total metals, polychlorinated biphenyls (PCBs), total phenolics and hexavalent chromium. The testing parameters for each sample were selected by the NYSDEC. Soil samples were analyzed for VOCs or semi-VOCs if the PID meter produced a positive measurement. Chain-of custody documentation accompanied all samples.

One soil sample at TP-25 produced an individual VOC above the recommended soil clean-up objectives as defined by the NYSDEC TAGM 4046 guidelines. The individual VOC, Acetone, had a concentration of 310 ug/Kg or parts per billion (ppb). The remaining soil samples did not produce total VOC concentrations above the cleanup objectives with lab results between 5 ppb and 359 ppb, well below the total recommended cleanup objective of 10,000 ppb.

No soil samples had semi-VOC concentrations above the recommended soil cleanup objective of 500,000 ppb as defined by TAGM 4046. However, four (4) soil samples including TP-25, TP-44, B-14 and B-15 produced individual semi-VOCs above cleanup objectives, including Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene and Chrysene. Total semi-VOC concentrations ranged from 290 ppb at TP-14 to 34,500 ppb at TP-44.

Four (4) soil samples had metal concentrations above the individual concentration limits. TP-7 had a copper concentration of 500 ug/Kg or parts per million (ppm). TP-12 had arsenic, barium, lead and mercury concentrations of 390 ppm, 1,500 ppm, 1,400 ppm, and 3.22 ppm, respectively. B-2 produced an arsenic concentration of 22 ppb. B-11 had arsenic, cadmium and copper concentrations of 51 ppb, 83 ppb, and 1,100 ppb, respectively.

No PCB's, herbicides, pesticides, or hexavalent chromium were detected above the laboratory detection limits ("none detected") in any of the soil samples. Total phenolics produced concentrations ranging from "none detected" above the laboratory detection limit to 0.436 ppb.

An additional sample was obtained from the sediment in the ditch running parallel along the east side of Howard Street. The "Sediment" sample was analyzed for total metals. None of the metals results exceeded the cleanup objectives.

Analytical summary tables for VOCs, semi-VOCs, total metals, PCBs, herbicides, pesticides, hexavalent chromium and total phenolics for the factory site are included in Attachment A of this report. Analytical reports prepared by Upstate can be referenced in Appendix H.

III. DISPOSAL SITE

A. Subsurface Investigation

The subsurface investigation at the disposal site consisted of performing various test pits spaced throughout the disposal fill material in order to best define the conditions on site. The test pit locations were selected in conjunction with the NYSDEC and were excavated to depths where native soils were encountered. The test pits were excavated utilizing a Caterpillar 312B excavator. The test pits were completed by Empire from October 12 to October 16, 2007 under the direction and supervision of an engineer from Empire's staff.

The subsurface conditions at the disposal site consisted of fill material with foundry sands, silts, slag, and 55-gallon drums continuing from the ground surface to depths of approximately 3 to 16 feet below ground surface (bgs). The fill material is underlain by a native brown sand and gravel at depths of 3 to 16 feet bgs.

The fill material generally increased in thickness from north to south across the site. A concrete slab was encountered at TP-5 at a depth of 12 feet bgs. Native soils were never encountered at TP-1 due to the physical limitations of the excavator, which is limited to about 16 feet, the termination depth of TP-1. Numerous 55-gallon drums were encountered in most test pits and contained various slag, resin, and foundry sand materials. The individual test pit logs for the disposal site including soil classifications, number of drums, and samples collected for lab analysis are presented in Appendix F.

Photographs were taken of each test pit excavated at the disposal site and are included in Appendix E.

B. Laboratory Analytical Results

Soil samples for laboratory analysis were collected at various test pits as directed by the NYSDEC. Every test pit was screened for volatile organic compounds (VOCs) using a PhoCheck 1000 Photoionization Detector (PID) meter to assist in the evaluation for potential contamination. A total of ten (10) soil samples for laboratory analysis were collected throughout the array of test pits at the disposal site. The laboratory samples were taken from a portion of the soils that produced the highest PID readings or had visual evidence of potential contamination (i.e. discoloration, odor, metallic appearance, etc). The laboratory data were compared to soil cleanup objectives as per the NYSDEC TAGM 4046 guidelines where applicable.

All samples were placed into pre-cleaned 4 or 8 oz. glass jars, labeled with the date, time, location of the project, and placed into an iced cooler at approximately 4-degrees Celsius for transport via courier to Upstate Laboratories, Inc. (Upstate) located in East Syracuse, NY. Upstate is a New York State Department of Health (NYSDOH) certified analytical testing laboratory. The soil samples were analyzed for VOCs, semi-VOCs, pesticides, herbicides, total metals, polychlorinated biphenyls (PCBs,) and total phenolics. The testing parameters for each soil samples were selected by the NYSDEC. Soil samples were analyzed for VOCs or semi-VOCs if the PID meter produced a positive measurement. Chain-of custody documentation accompanied all samples.

No soil sample produced a concentration of total VOCs above the recommended soil cleanup objectives of 10,000 ppb as defined by the NYSDEC TAGM 4046 guidelines. The concentration of VOCs varied from “none detected” above the laboratory detection limit at TP-4 to 128 ppb at TP-10 Drum. In addition to the total VOC concentrations, no individual compound exceeded the recommended soil cleanup objectives.

There were no soil samples having semi-VOC concentrations above the recommended soil cleanup objective of 500,000 ppb as defined by TAGM 4046. The concentrations of semi-VOCs ranged from “none detected” above the laboratory detection limits at TP-1, TP-11, TP-12 and TP-15 to 4,600 ppb at TP-10 Drum. Also, no individual compound exceeded the TAGM 4046 guidance values.

There were four (4) soil samples having metal concentrations above the individual concentration limits. TP-15 had an arsenic concentration of 21 ppm. The "Green Resin" sample had arsenic and cadmium concentrations of 91 ppm and 86 ppm, respectively. The "Black Resin" sample produced a barium concentration of 600 ppm. B-11 produced a barium concentration of 400 ppm.

PCB's were detected below the TAGM cleanup objectives at TP-11 and TP-12 with PCB concentrations of 56 ppb and 53 ppb, respectively.

No herbicides or pesticides were detected above the laboratory detection limits ("none detected") in any of the soil samples. Concentrations of total phenolics ranged from "none detected" above the laboratory detection limit to 0.150 ppm.

Analytical summary tables for VOCs, semi-VOCs, total metals, PCBs, herbicides, pesticides and total phenolics are included in Attachment B of this report. Analytical reports prepared by Upstate can be referenced in Appendix H.

IV. MONITORING WELL INSTALLATION

Three (3) monitoring wells were installed at the factory site and identified as MW-6, MW-7 and MW-8. Four (4) monitoring wells were installed at the disposal site and identified as MW-9, MW-10, MW-11 and MW-12. The purpose of the monitoring well installations was to obtain information regarding the groundwater quality and direction of flow. Soil samples were obtained during the drilling activities by advancing 2-inch O.D. split-barrel samplers through auger casing in accordance with *ASTM D-1586 Standard Method for Penetration Test and Split Barrel Sampling of Soils.* The soil samples were collected continuously from the ground surface until native soils were encountered. Sampling then continued every 5 feet until groundwater was encountered. Each of the borings was converted into a groundwater monitoring well in general accordance with *ASTM D 5092 Standard Practice for Design and Installation of Groundwater Monitoring Wells in Aquifers*. The well installations were completed by SJB on from November 14 to November 20, 2007 under the direction of an engineer from Empire's staff. The monitoring well locations were selected by the NYSDEC based on assumed groundwater flow directions.

The borings were advanced to depths of approximately 25.0 feet to 40.0 feet below the existing grades using a Central Mining Equipment (CME) Model 550 rubber-tire all-terrain vehicle mounted drill rig. The onsite engineer visually classified and screened the recovered soil samples in the field with a PID. Individual subsurface boring logs were prepared that indicated the soil types encountered, groundwater occurrence, indications of contamination, and other pertinent observations.

The wells were constructed using 10 feet of 0.020-slot, 2-inch I.D. PVC screen and 2-inch PVC riser extending to the ground surface. The wells were constructed with #1 filter sand placed to approximately 2 feet above the top of the screen, followed by a

bentonite seal and a cement/bentonite grout mix up to the ground surface. A locking steel protective casing was installed over the top of each monitoring well and cemented in-place. The subsurface boring logs for and monitoring well construction details are presented in Appendix D and Appendix G, including "Monitoring Well Installation Detail" sheets.

CONCLUSIONS

Based on the information collected on site by Empire from September 5 to November 20, 2007, the following conclusions can be made:

- Groundwater was encountered at depths ranging from 15 to 20 feet bgs at the factory site and at depths ranging from 24 to 30 feet bgs at the disposal site.

- No herbicides, pesticides, PCBs, or hexavalent chromium was detected above the laboratory detection limits at the **factory** site.

- No herbicides, pesticides or hexavalent chromium was detected above the laboratory detection limit at the **disposal** site.

- PCB's were encountered below TAGM limits at test pit locations TP-11 and TP-12 at the **disposal** site with concentrations of 56 ppb and 53 ppb, respectively.

- No individual compounds or total concentrations including VOCs, semi-VOCs, total metals, pesticides, herbicides, PCBs, hexavalent chromium and total phenolics exceeded the TAGM 4046 cleanup objectives in any surface samples obtained from the **factory** site.

- The soil samples obtained from TP-7, TP-12, TP-25, TP-44, TP-47, B-2, B-11, B-14 and B-15 showed concentrations of one or more *individual compounds* that exceeded the cleanup objectives for VOCs, semi-VOCs, or metals at the **factory** site. However, no soil samples produced *total* concentrations that exceeded the recommended cleanup objectives.

- The soil samples obtained from TP-15, TP-11, TP-12, "Green Resin", "Black Resin", and "White Slag" indicated concentrations of one or more *individual compounds* that exceeded the cleanup objectives for PCBs and metals at the **disposal** site. However, no soil samples produced *total* concentrations that exceeded the recommended cleanup objectives.

This report has been prepared for the exclusive use of the NYSDEC – Region 9 and their designated agents for the specific application to the subject site in accordance with generally accepted environmental practices. If you have any questions or if we can provide further assistance, please do not hesitate to contact our office at (716) 649-8110.

Respectfully Submitted,
EMPIRE GEO SERVICES, INC.

Jacob C. Metzger
Environmental Engineer

David R. Steiner
Senior Engineering Geologist

Figure No. 1 – Site Location Map

ATTACHMENT A
Analytical Tables – Factory Site

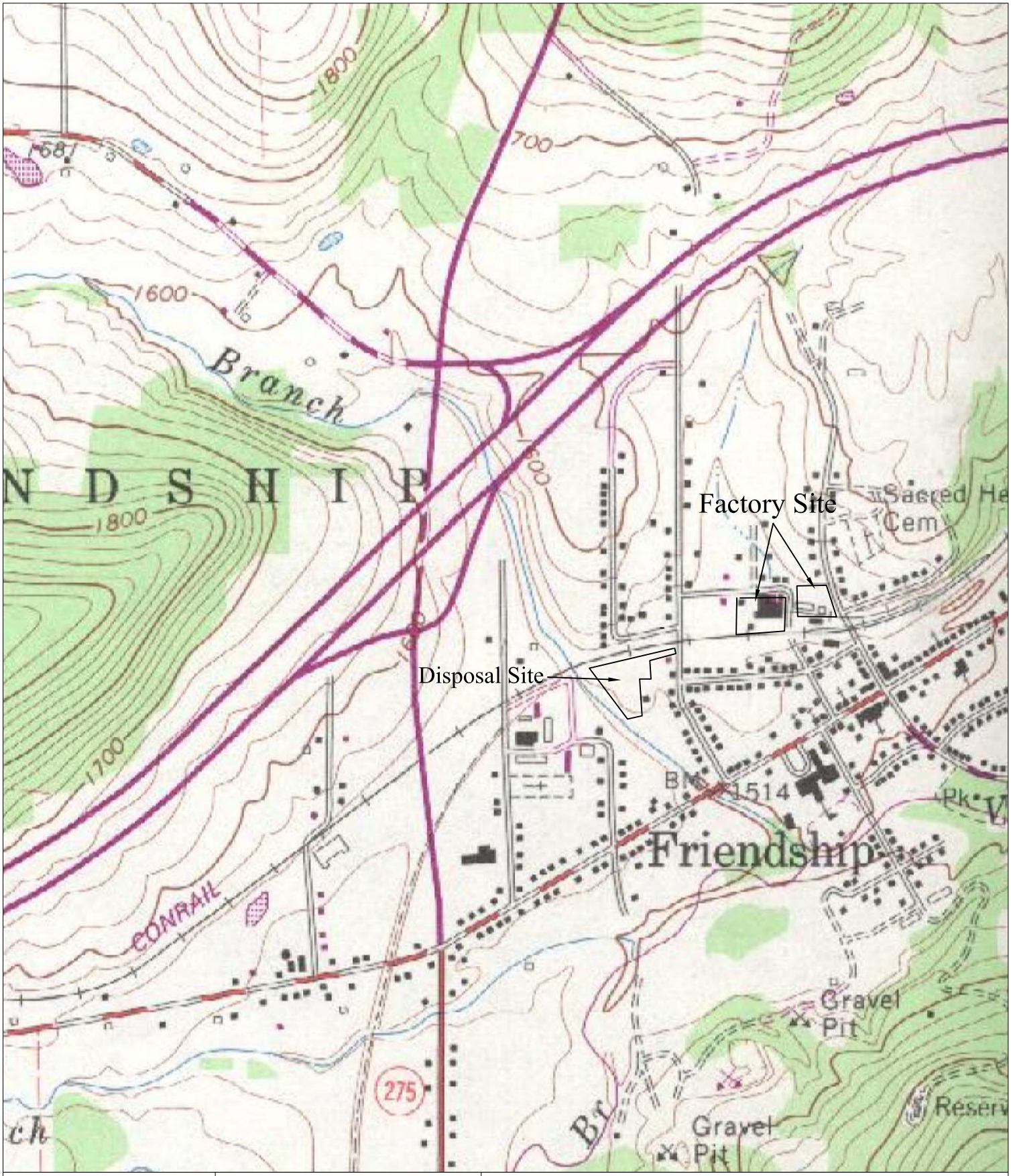
ATTACHMENT B
Analytical Tables – Disposal Site

ATTACHMENT C
Analytical Tables – Surface Samples (Factory Site)

APPENDICES

A. Site Photographs – Factory Site
B. Test Pit Logs – Factory Site
C. Test Boring Logs – Factory Site
D. Monitoring Well Installation Details – Factory Site
E. Site Photographs – Disposal Site
F. Test Pit Logs – Disposal Site
G. Monitoring Well Installation Details – Disposal Site
H. Upstate Laboratories, Inc. Analytical Reports

Factory Site Plan
Disposal Site Plan
(Plans developed by Creekside Boundary)



NOTE:

SITE LOCATION PLAN DEVELOPED FROM USGS TOPOGRAPHICAL FRIENDSHIP QUADRANGLE MAP

LIMITS OF SITE BOUNDARIES ARE APPROXIMATE

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

SUBSURFACE INVESTIGATION
FORMER FRIENDSHIP FOUNDRY
MAIN FACTORY SITE / DISPOSAL SITE
TOWN OF FRIENDSHIP, NEW YORK

SITE LOCATION MAP

DR. BY: JCM	SCALE: NTS	PROJECT NO.: BEV-07-022
CK. BY: DRS	DATE: 12/26/07	FIGURE NO.: 1

ATTACHMENT A

ANALYTICAL TABLES – FACTORY SITE

TABLE I
SUMMARY OF TOTAL VOLATILE ORGANIC COMPOUNDS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-3 4' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-25 2' 09/06/07	TP-37 1' 09/07/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	B-3 4-7' 10/03/07	B-8 6-7' 10/03/07	B-9 3-6' 10/03/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte											
1,1,1-Trichloroethane	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	1,400
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	300
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000
Acetone	ND	ND	ND	310	ND	ND	ND	60	110	35	200
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	60
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Carbon disulfide	ND	ND	ND	7	ND	ND	ND	ND	ND	7	2,700
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	600
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,700
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,900
Chloroform	2	4	5	ND	ND	2	ND	ND	ND	ND	300
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5,500
Methylene chloride	3	13	11	42	5	6	11	7	ND	28	100
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,200
Styrene	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	N/A
Tetrachloroethene	ND	4	ND	ND	ND	ND	ND	ND	ND	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	700
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Total Volatile Organic Compounds	5	23	16	359	5	8	12	67	110	70	10,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for VOC's by EPA Method 8260 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 -*12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE II
SUMMARY OF TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS
FACTORY SITE
Frienship Foundry
Town of Friendship, New York

Sample Identification Depth and Date Analyte	TP-3 4' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-25 2' 09/06/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	B-3 4-7' 10/03/07	B-8 6-7' 10/03/07	B-9 3-6' 10/03/07	B-13 2' 11/15/07	B-14 2' 11/15/07	B-15 2' 11/15/07	NYSDEC TAGM Recommended Cleanup Objectives
(3+4) Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	400
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	800
2-Methylnaphthalene	600	ND	ND	500	1,000	60	ND	ND	ND	ND	ND	ND	36,400
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	430
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	330
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	500
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100
Acenaphthene	ND	ND	ND	ND	500	ND	ND	ND	ND	ND	ND	ND	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Benz(a)anthracene	ND	ND	ND	700	3,000	ND	ND	ND	ND	ND	3,000	600	224
Benzo(a)pyrene	ND	ND	ND	ND	3,000	ND	ND	ND	ND	ND	ND	ND	61
Benzo(b)fluoranthene	ND	ND	ND	ND	3,000	ND	ND	ND	ND	ND	4,100	ND	1,100
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,000	ND	50,000
Benzo(k)fluoranthene	ND	ND	ND	ND	900	ND	ND	ND	ND	ND	ND	ND	1,100
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-ethylhexyl)phthalate	2,000	200	2,000	ND	ND	300	440	5,700	2,000	8,600	5,200	9,300	50,000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Chrysene	ND	ND	ND	700	3,000	ND	ND	ND	ND	ND	3,000	800	400
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	80	ND	ND	ND	ND	ND	8,100
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6,200
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7,100
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2,000
Fluoranthene	ND	ND	500	800	4,800	ND	ND	ND	ND	ND	6,700	1,000	50,000
Fluorene	ND	ND	ND	ND	1,000	ND	ND	ND	ND	ND	ND	ND	50,000
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	410
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3,200
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4,400
N-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Naphthalene	4,700	90	ND	ND	2,000	ND	ND	ND	ND	ND	ND	ND	13,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,000
Phenanthrene	ND	ND	ND	ND	5,900	80	ND	1,000	ND	ND	2,000	500	50,000
Phenol	ND	ND	ND	ND	ND	ND	80	ND	ND	ND	ND	800	30
Pyrene	ND	ND	ND	ND	6,400	ND	ND	ND	ND	ND	5,600	1,000	50,000
Total Semi-Volatile Organic Compounds	7,300	290	2,500	2,700	34,500	440	600	6,700	2,000	8,600	31,600	14,000	500,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were analyzed for semi-VOCs by EPA Method 8270 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Soil Recommended Clean-up Objectives

TABLE III
SUMMARY OF TOTAL METALS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-1 5' 09/05/07	TP-3 4' 09/05/07	TP-6A 1.5' 09/05/07	TP-7 2.5' 09/05/07	TP-8 4' 09/05/07	TP-12 2' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-17A 3' 09/06/07	TP-20 2' 09/06/07	TP-24 4' 09/06/07	TP-25 2' 09/06/07	TP-26 1.5' 09/06/07	Soil Concentration Limitations
Analyte														
Aluminum	7,500	6,500	7,800	4,600	10,000	9,700	2,200	8,300	6,800	8,800	12,000	5,400	8,000	N/A
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Arsenic	16.0	7.6	6.5	8.1	1.0	390.0	1.1	6.9	3.4	2.9	13.0	10.0	3.1	16.0
Barium	110	140	100	96	69	1,500	20	73	72	20	94	100	42	400
Beryllium	ND	0.6	ND	ND	ND	0.9	ND	ND	ND	ND	0.6	0.8	ND	590
Cadmium	1.1	1.1	1.9	3.5	0.7	2.0	ND	0.6	0.9	ND	ND	ND	0.5	9.3
Calcium	2,100	7,200	17,000	13,000	8,300	3,500	1,200	31,000	4,700	750	1,300	25,000	2,300	N/A
Chromium	13	48	84	260	17	23	8	15	25	13	11	11	15	N/A
Cobalt	10	8.1	7.4	13.0	5.0	13.0	ND	8.0	ND	ND	10.0	7.3	ND	N/A
Copper	140	65	130	500	30	230	14	28	120	16	12	42	20	270
Iron	44,000	31,000	42,000	130,000	21,000	90,000	9,100	27,000	25,000	9,300	25,000	27,000	31,000	N/A
Lead	420	81	570	360	83	1,400	20	68	91	21	20	37	41	1,000
Magnesium	1,800	2,500	4,600	2,800	2,300	1,900	850	6,000	1,500	350	2,600	1,200	740	N/A
Manganese	370	580	18,000	1,500	600	780	140	720	310	74	300	240	420	10,000
Nickel	140	39	39	120	11	62	15	20	27	11	19	19	9	310
Potassium	840	970	960	650	1,300	1,300	450	1,000	630	370	1,300	650	580	N/A
Selenium	9.0	6.4	10.0	20.0	6.5	17.0	1.7	5.4	7.0	3.9	6.6	3.6	7.0	1,500.0
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1,500
Sodium	ND	ND	210	ND	50	ND	30	ND	170	ND	ND	ND	ND	N/A
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Vanadium	20	10	10	10	20	30	5	10	10	10	20	20	20	N/A
Zinc	270	630	600	270	170	380	38	190	1,000	180	82	70	110	10,000
Mercury	0.014	0.021	0.120	0.220	0.056	3.220	ND	ND	0.033	ND	ND	0.001	0.049	2.8

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for metals via Method 6010

4) Denotes exceedance of soil concentration limitations

TABLE III (continued)
SUMMARY OF TOTAL METALS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-28 3' 09/06/07	TP-30 4.5' 09/06/07	TP-34 3' 09/07/07	TP-42 2' 09/10/07	TP-44 3' 09/10/07	TP-46 4' 09/10/07	TP-47 5' 09/10/07	TP-40 3' 09/07/07	TP-41 2' 09/07/07	TP-49 3' 09/10/07	TP-50 - 09/13/07	Sediment - 09/07/07	B-1 3-4' 10/03/07	Soil Concentration Limitations
Analyte														
Aluminum	11,000	5,500	9,100	7,400	7,700	3,200	4,100	5,400	6,600	4,400	2,500	5,100	13,000	N/A
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Arsenic	15.0	5.6	8.3	10.0	9.3	3.6	9.3	8.7	13.0	2.9	1.5	13.0	7.7	16.0
Barium	86	83	45	87	190	200	53	120	170	42	30	140	130	400
Beryllium	ND	ND	ND	ND	ND	1.1	0.9	ND	0.6	ND	ND	ND	ND	590
Cadmium	ND	1.8	0.5	0.9	1.2	2.1	0.7	3.6	2.1	1.9	0.6	2.5	ND	9.3
Calcium	920	2,600	1,100	4,600	36,000	1,500	2,000	8,000	4,900	12,000	3,400	9,100	1,400	N/A
Chromium	10	140	8	10	13	6	6	24	10	47	11	34	13	N/A
Cobalt	11.0	6.9	8.1	6.6	6.7	6.0	7.9	6.7	8.2	6.7	ND	10.0	9.0	N/A
Copper	20	100	8	30	41	32	24	130	150	73	18	77	13	270
Iron	24,000	87,000	16,000	19,000	20,000	98,000	23,000	33,000	51,000	74,000	11,000	79,000	19,000	N/A
Lead	22	130	21	88	180	12	10	500	840	75	51	120	44	1,000
Magnesium	2,600	1,900	1,600	2,300	5,000	200	1,000	1,900	1,700	840	1,200	4,200	2,400	N/A
Manganese	1,000	580	310	410	530	74	200	450	460	980	190	5,800	490	10,000
Nickel	24	64	11	14	15	7	14	24	21	29	24	35	17	310
Potassium	1,200	640	670	1,000	1,300	600	500	730	780	560	480	600	1,600	N/A
Selenium	9.7	12.0	5.5	5.0	4.2	12.0	4.2	5.8	8.6	9.5	2.0	13.0	7.0	1,500.0
Silver	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	1,500
Sodium	ND	76	ND	ND	ND	ND	ND	ND	ND	ND	190	ND	300	N/A
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Vanadium	10	10	10	10	10	20	10	10	10	10	ND	8	20	N/A
Zinc	69	1,800	49	140	430	11	45	330	450	210	95	420	100	10,000
Mercury	0.021	0.170	0.057	0.041	0.078	0.028	0.030	0.160	0.120	0.039	0.075	0.019	0.076	2.8

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for metals via Method 6010

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 -*12/20/00 Memo Consolidating TAGM #4046*

TABLE III (continued)
SUMMARY OF TOTAL METALS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	B-2 2-3' 10/03/07	B-3 4-7' 10/03/07	B-4 3-4' 10/03/07	B-5 4-5' 10/03/07	B-8 6-7' 10/03/07	B-9 3-6' 10/03/07	B-11 3' 11/14/07	B-12 2' 11/15/07	Soil Concentration Limitations
Analyte									
Aluminum	8,100	10,000	11,000	6,000	9,500	11,000	28,000	6,600	N/A
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Arsenic	22	9	5	5	15	9	51	12	16.0
Barium	130	82	71	63	120	120	190	63	400
Beryllium	ND	ND	ND	ND	ND	1	ND	ND	590
Cadmium	2	ND	ND	ND	ND	ND	83	4	9.3
Calcium	ND	970	1,400	4,000	520	1,200	1,400	3,600	N/A
Chromium	38	12	11	11	9	17	96	12	N/A
Cobalt	24	9	9	9	10	12	41	7	N/A
Copper	73	9	8	22	11	69	1,100	18	270
Iron	240,000	19,000	16,000	24,000	19,000	24,000	530,000	20,000	N/A
Lead	230	17	16	49	18	77	610	32	1,000
Magnesium	1,600	2,100	2,000	1,400	1,900	1,900	730	3,000	N/A
Manganese	1,200	730	770	330	2,000	960	1,700	430	10,000
Nickel	53	18	14	14	19	25	190	17	310
Potassium	840	1,200	1,200	1,200	1,100	1,000	460	950	N/A
Selenium	31	6	6	6	7	8	53	4	1,500.0
Silver	ND	ND	ND	ND	ND	ND	1	ND	1,500
Sodium	ND	460	300	120	75	ND	ND	ND	N/A
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Vanadium	54	10	10	20	10	20	20	9	N/A
Zinc	170	58	60	97	50	120	330	81	10,000
Mercury	0.180	0.024	0.022	0.100	0.034	0.050	0.085	0.074	2.8

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for metals via Method 6010

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 -*12/20/00 Memo Consolidating TAGM #4046*

TABLE IV
SUMMARY OF TOTAL POLYCHLORINATED BIPHENYLS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-1 5' 09/05/07	TP-3 4' 09/05/07	TP-8 4' 09/05/07	TP-12 2' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-17A 3' 09/06/07	TP-24 4' 09/06/07	TP-25 2' 09/06/07	TP-28 3' 09/06/07	TP-30 4.5' 09/06/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte												
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for PCBs via Method 8082

4) Guidance values were obtained for the SUBSURFACE from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE IV (continued)
SUMMARY OF TOTAL POLYCHLORINATED BIPHENYLS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-34 3' 09/07/07	TP-40 3' 09/07/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	TP-50 - 09/13/07	B-1 3-4' 10/03/07	B-3 4-7' 10/03/07	B-4 3-4' 10/03/07	B-5 4-5' 10/03/07	B-8 6-7' 10/03/07	B-9 3-6' 10/03/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte												
Aroclor 1016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1221	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1232	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1242	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1248	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1254	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1268	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for PCBs via Method 8082

4) Guidance values were obtained for the SUBSURFACE from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE V
SUMMARY OF TOTAL HERBICIDES/PESTICIDES
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-3 4' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-25 2' 09/06/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	B-9 3-6' 10/03/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte								
Herbicides								
2,4,5-T	ND	ND	ND	ND	ND	ND	ND	1,900
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	ND	700
2,4-D	ND	ND	ND	ND	ND	ND	ND	500
Dicamba	ND	ND	ND	ND	ND	ND	ND	N/A
Dinoseb	ND	ND	ND	ND	ND	ND	ND	N/A
Total Herbicides	ND	ND	ND	ND	ND	ND	ND	
Pesticides								
4-4'-DDD	ND	ND	ND	ND	ND	ND	ND	2,900
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	2,100
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	2,100
Aldrin	ND	ND	ND	ND	ND	ND	ND	41
alpha-BHC	ND	ND	ND	ND	ND	ND	ND	110
alpha-Chlordane	ND	ND	ND	ND	ND	ND	ND	540
beta-BHC	ND	ND	ND	ND	ND	ND	ND	200
delta-BHC	ND	ND	ND	ND	ND	ND	ND	300
Dieldrin	ND	ND	ND	ND	ND	ND	ND	44
Endosulfan I	ND	ND	ND	ND	ND	ND	ND	900
Endosulfan II	ND	ND	ND	ND	ND	ND	ND	900
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	ND	1,000
Endrin	ND	ND	ND	ND	ND	ND	ND	100
Endrin aldehyde	ND	ND	ND	ND	ND	ND	ND	N/A
Endrin ketone	ND	ND	ND	ND	ND	ND	ND	N/A
gamma-BHC	ND	ND	ND	ND	ND	ND	ND	60
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	540.00
Heptachlor	ND	ND	ND	ND	ND	ND	ND	100
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	ND	20
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	10,000
Toxaphene	ND	ND	ND	ND	ND	ND	ND	N/A
Total Pesticides	ND	ND	ND	ND	ND	ND	ND	

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Herbicides via Method 8151 and Pesticides via Method 8081

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 -*12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE VI
SUMMARY OF TOTAL HEXAVALENT CHROMIUM
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-3 4' 09/05/07	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-25 2' 09/06/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	B-3 4-7' 10/03/07	B-9 3-6' 10/03/07
Analyte								
Hexavalent Chromium	ND	ND	ND	ND	ND	ND	ND	ND

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Hexavalent Chromium via Method 7196

TABLE VII
SUMMARY OF TOTAL PHENOLICS
FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification Depth and Date	TP-14 5' 09/05/07	TP-16 3' 09/06/07	TP-25 2' 09/06/07	TP-44 3' 09/10/07	TP-47 5' 09/10/07	B-3 4-7' 10/03/07	B-9 3-6' 10/03/07
Analyte							
Total Phenolics	0.436	0.429	0.220	ND	0.238	0.193	0.179

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Total Phenolics via Method 420.1

ATTACHMENT B

ANALYTICAL TABLES – DISPOSAL SITE

TABLE I
SUMMARY OF TOTAL VOLATILE ORGANIC COMPOUNDS
DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07	NYSDEC TAGM Cleanup Objectives
Analyte							
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	1,400
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	600
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	6,000
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	200
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	400
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	100
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	300
2-Butanone	ND	ND	ND	ND	ND	ND	300
2-Hexanone	ND	ND	ND	ND	ND	ND	N/A
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	1,000
Acetone	ND	ND	98	ND	ND	ND	200
Benzene	ND	ND	ND	ND	ND	ND	60
Bromodichloromethane	ND	ND	ND	ND	ND	ND	N/A
Bromoform	ND	ND	ND	ND	ND	ND	N/A
Bromomethane	ND	ND	ND	ND	ND	ND	N/A
Carbon disulfide	ND	ND	ND	ND	ND	ND	2,700
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	600
Chlorobenzene	ND	ND	ND	ND	ND	ND	1,700
Chloroethane	ND	ND	ND	ND	ND	ND	1,900
Chloroform	ND	ND	ND	ND	ND	5.4	300
Chloromethane	ND	ND	ND	ND	ND	ND	N/A
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	N/A
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	N/A
Dibromochloromethane	ND	ND	ND	ND	ND	ND	N/A
Ethylbenzene	ND	ND	ND	ND	ND	ND	5,500
Methylene chloride	14	ND	30	49	20	13	100
Total Xylenes	ND	ND	ND	ND	ND	ND	1,200
Styrene	ND	ND	ND	ND	ND	ND	N/A
Tetrachloroethene	ND	ND	ND	ND	ND	ND	1,400
Toluene	ND	ND	ND	ND	ND	ND	1,500
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	N/A
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	N/A
Trichloroethene	ND	ND	ND	ND	ND	ND	700
Vinyl chloride	ND	ND	ND	ND	ND	ND	200
Total Volatile Organic Compounds	14	ND	128	49	20	18.4	10,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for VOC's by EPA Method 8260 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE II
SUMMARY OF TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS
DISPOSAL SITE
Frienship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07	Green Resin 10/18/07	Black Resin 10/18/07	NYSDEC TAGM Cleanup Objectives
Analyte									
(3+4) Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	100
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	400
2,4-Dimethylphenol	ND	ND	700	ND	ND	ND	ND	ND	N/A
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	ND	ND	1,000
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
2-Chlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	800
2-Methylnaphthalene	ND	ND	2,000	ND	ND	ND	ND	ND	36,400
2-Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	100
2-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	430
2-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	330
3,3'-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	ND	ND	N/A
3-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	500
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Nitroaniline	ND	ND	ND	ND	ND	ND	ND	ND	N/A
4-Nitrophenol	ND	ND	ND	ND	ND	ND	ND	ND	100
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	41,000
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Benz(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	224
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	61
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	1,100
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	1,100
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-chloroethyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Bis(2-ethylhexyl)phthalate	ND	200	ND	ND	ND	ND	700	1,000	50,000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Carbazole	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Chrysene	ND	ND	ND	ND	ND	ND	ND	ND	400
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND	200	8,100
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Dibenz(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	14
Dibenzofuran	ND	ND	ND	ND	ND	ND	ND	ND	6,200
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	7,100
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	ND	ND	2,000
Fluoranthene	ND	60	ND	ND	ND	ND	ND	ND	50,000
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	410
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Hexachlorocyclopentadiene	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Hexachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	3,200
Isophorone	ND	ND	ND	ND	ND	ND	ND	ND	4,400
N-Nitrosodi-n-propylamine	ND	ND	ND	ND	ND	ND	ND	ND	N/A
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	ND	ND	N/A
Naphthalene	ND	ND	1,000	ND	ND	ND	ND	ND	13,000
Nitrobenzene	ND	ND	ND	ND	ND	ND	ND	ND	200
Pentachlorophenol	ND	ND	ND	ND	ND	ND	ND	ND	1,000
Phenanthrene	ND	ND	900	ND	ND	ND	ND	ND	50,000
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	30
Pyrene	ND	ND	ND	ND	ND	ND	ND	ND	50,000
Total Semi-Volatile Organic Compounds	ND	260	4,600	ND	ND	ND	700	1,200	500,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were analyzed for semi-VOCs by EPA Method 8270 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Soil Recommended Clean-up Objectives

TABLE III
SUMMARY OF TOTAL METALS
DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07	Green Resin 10/16/07	Black Resin 09/06/07	Grey Slag 10/16/07	White Slag 10/16/07	Soil Concentration Limitations
Analyte											
Aluminum	3,500	11,000	9,800	3,300	4,200	6,600	20,000	30,000	330	27,000	N/A
Antimony	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	N/A
Arsenic	1.2	10.0	4.0	4.4	5.1	21.0	91.0	ND	ND	9.0	16.0
Barium	33	76	170	42	54	100	230	600	ND	400	400
Beryllium	ND	0.7	ND	ND	ND	0.8	90.0	ND	ND	ND	590
Cadmium	0.5	ND	0.8	1.0	1.7	0.9	86.0	ND	ND	ND	9.3
Calcium	2,000	1,000	3,300	5,800	4,200	10,000	140,000	120,000	5,200	210,000	N/A
Chromium	9	12	6	17	39	8	120	50	ND	ND	N/A
Cobalt	ND	13.0	ND	ND	ND	ND	91.0	ND	ND	ND	N/A
Copper	24	13	44	85	87	52	99	ND	ND	ND	270
Iron	15,000	24,000	16,000	32,000	39,000	27,000	7,800	2,600	1,400	3,200	N/A
Lead	34	21	22	46	140	53	83	ND	ND	ND	1,000
Magnesium	1,100	3,100	2,300	850	960	1,300	2,600	2,600	100	3,900	N/A
Manganese	210	620	250	370	620	360	6,500	6,800	85	6,000	10,000
Nickel	9	22	20	15	29	12	87	ND	ND	ND	310
Potassium	750	1,400	800	550	630	900	4,800	ND	ND	ND	N/A
Selenium	4.1	9.3	0.9	3.5	4.5	2.7	98.0	ND	ND	ND	1,500.0
Silver	ND	ND	ND	ND	ND	ND	87	ND	ND	ND	1,500
Sodium	160	76	300	ND	ND	ND	1,100	ND	ND	ND	N/A
Thallium	ND	ND	ND	ND	ND	ND	65	ND	ND	ND	N/A
Vanadium	7	10	ND	10	10	9	110	ND	ND	ND	N/A
Zinc	100	66	86	79	150	60	85	47	ND	ND	10,000
Mercury	0.130	0.032	0.003	0.068	0.220	0.000	0.036	ND	ND	ND	2.8

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for metals via Method 6010

4) Denotes exceedance of soil concentration limitations

TABLE IV
SUMMARY OF TOTAL POLYCHLORINATED BIPHENYLS
DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07	NYSDEC TAGM Cleanup Objectives
Analyte							
Aroclor 1016	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1221	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1232	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1242	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1248	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1254	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1260	ND	ND	ND	ND	ND	ND	N/A
Aroclor 1268	ND	ND	ND	56	53	ND	N/A
Total PCBs	ND	ND	ND	56	53	ND	1,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for PCBs via Method 8082

4) Guidance values were obtained for the SUBSURFACE from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

TABLE V
SUMMARY OF TOTAL HERBICIDES/PESTICIDES
DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte							
Herbicides							
2,4,5-T	ND	ND	ND	ND	ND	ND	1,900
2,4,5-TP (Silvex)	ND	ND	ND	ND	ND	ND	700
2,4-D	ND	ND	ND	ND	ND	ND	500
Dicamba	ND	ND	ND	ND	ND	ND	N/A
Dinoseb	ND	ND	ND	ND	ND	ND	N/A
Total Herbicides	ND	ND	ND	ND	ND	ND	
Pesticides							
4-4'-DDD	ND	ND	ND	ND	ND	ND	2,900
4,4'-DDE	ND	ND	ND	ND	ND	ND	2,100
4,4'-DDT	ND	ND	ND	ND	ND	ND	2,100
Aldrin	ND	ND	ND	ND	ND	ND	41
alpha-BHC	ND	ND	ND	ND	ND	ND	110
alpha-Chlordane	ND	ND	ND	ND	ND	ND	540
beta-BHC	ND	ND	ND	ND	ND	ND	200
delta-BHC	ND	ND	ND	ND	ND	ND	300
Dieldrin	ND	ND	ND	ND	ND	ND	44
Endosulfan I	ND	ND	ND	ND	ND	ND	900
Endosulfan II	ND	ND	ND	ND	ND	ND	900
Endosulfan sulfate	ND	ND	ND	ND	ND	ND	1,000
Endrin	ND	ND	ND	ND	ND	ND	100
Endrin aldehyde	ND	ND	ND	ND	ND	ND	N/A
Endrin ketone	ND	ND	ND	ND	ND	ND	N/A
gamma-BHC	ND	ND	ND	ND	ND	ND	60
gamma-Chlordane	ND	ND	ND	ND	ND	ND	540.00
Heptachlor	ND	ND	ND	ND	ND	ND	100
Heptachlor epoxide	ND	ND	ND	ND	ND	ND	20
Methoxychlor	ND	ND	ND	ND	ND	ND	10,000
Toxaphene	ND	ND	ND	ND	ND	ND	N/A
Total Pesticides	ND	ND	ND	ND	ND	ND	

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Herbicides via Method 8151 and Pesticides via Method 8081

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE VI
SUMMARY OF TOTAL PHENOLICS
DISPOSAL SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-1 10/15/07	TP-4 10/15/07	TP-10 Drum 10/16/07	TP-11 10/16/07	TP-12 10/16/07	TP-15 10/16/07
Analyte						
Total Phenolics	0.149	ND	ND	ND	0.150	ND

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Total Phenolics via Method 420.1

ATTACHMENT C

ANALYTICAL TABLES – SURFACE SAMPLES (FACTORY SITE)

TABLE I
SUMMARY OF TOTAL VOLATILE ORGANIC COMPOUNDS
SURFACE SAMPLES - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	NYSDEC TAGM Cleanup Objectives
Analyte			
1,1,1-Trichloroethane	ND	ND	1,400
1,1,2,2-Tetrachloroethane	ND	ND	600
1,1,2-Trichloroethane	ND	ND	6,000
1,1-Dichloroethane	ND	ND	200
1,1-Dichloroethene	ND	ND	400
1,2-Dichloroethane	ND	ND	100
1,2-Dichloropropane	ND	ND	300
2-Butanone	ND	ND	300
2-Hexanone	ND	ND	N/A
4-Methyl-2-pentanone	ND	ND	1,000
Acetone	ND	ND	200
Benzene	ND	ND	60
Bromodichloromethane	ND	ND	N/A
Bromoform	ND	ND	N/A
Bromomethane	ND	ND	N/A
Carbon disulfide	ND	ND	2,700
Carbon tetrachloride	ND	ND	600
Chlorobenzene	ND	ND	1,700
Chloroethane	ND	ND	1,900
Chloroform	2	2	300
Chloromethane	ND	ND	N/A
cis-1,2-Dichloroethene	ND	ND	N/A
cis-1,3-Dichloropropene	ND	ND	N/A
Dibromochloromethane	ND	ND	N/A
Ethylbenzene	ND	ND	5,500
Methylene chloride	5.3	5.5	100
Total Xylenes	ND	ND	1,200
Styrene	ND	ND	N/A
Tetrachloroethene	ND	ND	1,400
Toluene	ND	ND	1,500
trans-1,2-Dichloroethene	ND	ND	N/A
trans-1,3-Dichloropropene	ND	ND	N/A
Trichloroethene	ND	ND	700
Vinyl chloride	ND	ND	200
Total Volatile Organic Compounds	7.3	7.5	10,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for VOC's by EPA Method 8260 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE II
SUMMARY OF TOTAL SEMI-VOLATILE ORGANIC COMPOUNDS
SURFACE SAMPLE - FACTORY SITE
Frienship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	TP-37, TP-39, TP-40B 09/07/07	TP-31, TP-32 and TP-38 09/07/07	NYSDEC TAGM Cleanup Objectives
Analyte					
(3+4) Methylphenol	ND	ND	ND	ND	N/A
1,2,4-Trichlorobenzene	ND	ND	ND	ND	N/A
1,2-Dichlorobenzene	ND	ND	ND	ND	N/A
1,3-Dichlorobenzene	ND	ND	ND	ND	N/A
1,4-Dichlorobenzene	ND	ND	ND	ND	N/A
2,4,5-Trichlorophenol	ND	ND	ND	ND	100
2,4,6-Trichlorophenol	ND	ND	ND	ND	N/A
2,4-Dichlorophenol	ND	ND	ND	ND	400
2,4-Dimethylphenol	ND	ND	ND	ND	N/A
2,4-Dinitrotoluene	ND	ND	ND	ND	N/A
2,6-Dinitrotoluene	ND	ND	ND	ND	1,000
2-Chloronaphthalene	ND	ND	ND	ND	N/A
2-Chlorophenol	ND	ND	ND	ND	800
2-Methylnaphthalene	ND	ND	ND	40	36,400
2-Methylphenol	ND	ND	ND	ND	100
2-Nitroaniline	ND	ND	ND	ND	430
2-Nitrophenol	ND	ND	ND	ND	330
3,3'-Dichlorobenzidine	ND	ND	ND	ND	N/A
3-Nitroaniline	ND	ND	ND	ND	500
4,6-Dinitro-2-methylphenol	ND	ND	ND	ND	N/A
4-Bromophenyl phenyl ether	ND	ND	ND	ND	N/A
4-Nitroaniline	ND	ND	ND	ND	N/A
4-Nitrophenol	ND	ND	ND	ND	100
Acenaphthene	ND	ND	ND	ND	50,000
Acenaphthylene	ND	ND	ND	ND	41,000
Anthracene	ND	ND	ND	ND	50,000
Benz(a)anthracene	ND	ND	ND	ND	224
Benzo(a)pyrene	ND	ND	ND	ND	61
Benzo(b)fluoranthene	ND	ND	ND	ND	1,100
Benzo(g,h,i)perylene	ND	ND	ND	ND	50,000
Benzo(k)fluoranthene	ND	ND	ND	ND	1,100
Bis(2-chloroethoxy)methane	ND	ND	ND	ND	N/A
Bis(2-chloroethyl)ether	ND	ND	ND	ND	N/A
Bis(2-chloroisopropyl)ether	ND	ND	ND	ND	N/A
Bis(2-ethylhexyl)phthalate	100	ND	ND	300	50,000
Butyl benzyl phthalate	ND	ND	ND	ND	50,000
Carbazole	ND	ND	ND	ND	N/A
Chrysene	ND	ND	ND	ND	400
Di-n-butyl phthalate	ND	ND	ND	ND	8,100
Di-n-octyl phthalate	ND	ND	ND	ND	50,000
Dibenz(a,h)anthracene	ND	ND	ND	ND	14
Dibenzofuran	ND	ND	ND	ND	6,200
Diethyl phthalate	ND	ND	ND	ND	7,100
Dimethyl phthalate	ND	ND	ND	ND	2,000
Fluoranthene	ND	1,000	ND	100	50,000
Fluorene	ND	ND	ND	ND	50,000
Hexachlorobenzene	ND	ND	ND	ND	410
Hexachlorobutadiene	ND	ND	ND	ND	N/A
Hexachlorocyclopentadiene	ND	ND	ND	ND	N/A
Hexachloroethane	ND	ND	ND	ND	N/A
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	3,200
Isophorone	ND	ND	ND	ND	4,400
N-Nitrosodi-n-propylamine	ND	ND	ND	ND	N/A
N-Nitrosodiphenylamine	ND	ND	ND	ND	N/A
Naphthalene	ND	ND	ND	ND	13,000
Nitrobenzene	ND	ND	ND	ND	200
Pentachlorophenol	ND	ND	ND	ND	1,000
Phenanthrene	ND	1,000	ND	80	50,000
Phenol	ND	ND	ND	ND	30
Pyrene	ND	2,000	ND	300	50,000
Total Semi-Volatile Organic Compounds	100	4,000	ND	820	500,000

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were analyzed for semi-VOCs by EPA Method 8270 STARS

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046 and STARS #1*

5) Denotes exceedence of the TAGM Soil Recommended Clean-up Objectives

TABLE III
SUMMARY OF TOTAL METALS
SURFACE SAMPLE - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	TP-37, TP-39, TP-40B 09/07/07	TP-31, TP-32 and TP-38 09/07/07	SS-1 11/14/07	SS-2 11/14/07	SS-3 11/14/07	Soil Concentration Limitations
Analyte								
Aluminum	7,200	10,000	9,000	9,200	8,700	9,500	11,000	N/A
Antimony	ND	ND	ND	ND	ND	ND	ND	N/A
Arsenic	7.9	11.0	14.0	10.0	15.0	15.0	13.0	16
Barium	75	92	130	70	84	110	77	400
Beryllium	ND	0.7	ND	ND	ND	ND	ND	590
Cadmium	2.0	0.8	1.0	0.8	6.2	5.6	4.1	9.3
Calcium	28,000	15,000	6,400	1,900	6,000	5,900	8,600	N/A
Chromium	21	12	9	12	27	27	17	N/A
Cobalt	7.8	8.9	7.2	6.7	9.7	10.0	11.0	N/A
Copper	44	21	22	37	48	39	26	270
Iron	29,000	21,000	19,000	17,000	32,000	31,000	24,000	N/A
Lead	160	48	92	180	240	120	33	1,000
Magnesium	7,900	4,500	1,500	1,400	3,000	3,500	4,100	N/A
Manganese	850	640	620	440	790	850	590	10,000
Nickel	28	17	10	11	33	28	23	310
Potassium	1,200	1,200	530	630	1,400	1,400	1,900	N/A
Selenium	5.9	4.7	4.6	5.4	2.7	1.3	ND	1,500
Silver	ND	ND	ND	ND	ND	ND	24	1,500
Sodium	ND	ND	ND	ND	ND	ND	ND	N/A
Thallium	ND	ND	ND	ND	ND	ND	ND	N/A
Vanadium	10	10	10	10	10	20	20	N/A
Zinc	190	110	130	160	230	130	92	10,000
Mercury	0.082	0.046	0.120	0.110	0.180	0.064	0.032	2.8

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for metals via Method 6010

TABLE IV
SUMMARY OF TOTAL POLYCHLORINATED BIPHENYLS
SURFACE SAMPLE - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	TP-37, TP-39, TP-40B 09/07/07	TP-31, TP-32 and TP-38 09/07/07	NYSDEC TAGM Cleanup Objectives
Analyte					
Aroclor 1016	ND	ND	ND	ND	N/A
Aroclor 1221	ND	ND	ND	ND	N/A
Aroclor 1232	ND	ND	ND	ND	N/A
Aroclor 1242	ND	ND	ND	ND	N/A
Aroclor 1248	ND	ND	ND	ND	N/A
Aroclor 1254	ND	ND	ND	ND	N/A
Aroclor 1260	ND	ND	ND	ND	N/A
Aroclor 1268	ND	ND	ND	ND	N/A
Total PCBS	ND	ND	ND	ND	100

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for PCBs via Method 8082

4) Guidance values were obtained for the SURFACE from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE V
SUMMARY OF TOTAL HERBICIDES/PESTICIDES
SURFACE SAMPLE - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	TP-37, TP-39, TP-40B 09/07/07	TP-31, TP-32 and TP-38 09/07/07	NYSDEC TAGM Recommended Cleanup Objectives
Analyte					
Herbicides					
2,4,5-T	ND	ND	ND	ND	1,900
2,4,5-TP (Silvex)	ND	ND	ND	ND	700
2,4-D	ND	ND	ND	ND	500
Dicamba	ND	ND	ND	ND	N/A
Dinoseb	ND	ND	ND	ND	N/A
Total Herbicides	ND	ND	ND	ND	
Pesticides					
4-4'-DDD	ND	ND	ND	ND	2,900
4,4'-DDE	ND	ND	ND	ND	2,100
4,4'-DDT	ND	ND	ND	ND	2,100
Aldrin	ND	ND	ND	ND	41
alpha-BHC	ND	ND	ND	ND	110
alpha-Chlordane	ND	ND	ND	ND	540
beta-BHC	ND	ND	ND	ND	200
delta-BHC	ND	ND	ND	ND	300
Dieldrin	ND	ND	ND	ND	44
Endosulfan I	ND	ND	ND	ND	900
Endosulfan II	ND	ND	ND	ND	900
Endosulfan sulfate	ND	ND	ND	ND	1,000
Endrin	ND	ND	ND	ND	100
Endrin aldehyde	ND	ND	ND	ND	N/A
Endrin ketone	ND	ND	ND	ND	N/A
gamma-BHC	ND	ND	ND	ND	60
gamma-Chlordane	ND	ND	ND	ND	540.00
Heptachlor	ND	ND	ND	ND	100
Heptachlor epoxide	ND	ND	ND	ND	20
Methoxychlor	ND	ND	ND	ND	10,000
Toxaphene	ND	ND	ND	ND	N/A
Total Pesticides	ND	ND	ND	ND	

NOTES:

1) All concentrations are presented in ug/kg or parts per billion (ppb).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Herbicides via Method 8151 and Pesticides via Method 8081

4) Guidance values were obtained from the NYSDEC TAGM Memorandum #4046 - *12/20/00 Memo Consolidating TAGM #4046*

5) Denotes exceedence of the TAGM Recommended Clean-up Objectives

TABLE VI
SUMMARY OF TOTAL PHENOLICS
SURFACE SAMPLES - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07	TP-37, TP-39, TP-40B 09/07/07	TP-31, TP-32 and TP-38 09/07/07
Analyte				
Total Phenolics	0.181	0.545	0.539	ND

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Total Phenolics via Method 420.1

TABLE VII
SUMMARY OF TOTAL HEXAVALENT CHROMIUM
SURFACE SAMPLES - FACTORY SITE
Friendship Foundry
Town of Friendship, New York

Sample Identification and Date	TP-6, TP-11 and TP-16 Comp 09/10/07	TP-49, TP-46 and TP-42 Comp 09/10/07
Analyte		
Hexavalent Chromium	ND	ND

NOTES:

1) All concentrations are presented in mg/kg or parts per million (ppm).

2) ND denotes None Detected above the laboratory detection limit.

3) All samples were anaylzed for Hexavalent Chromium via Method 7196

APPENDIX A

SITE PHOTOGRAPHS – FACTORY SITE

Test Pit 1

Test Pit 4

Test Pit 2

Test Pit 5

Test Pit 6A

Test Pit 8

Test Pit 7

Test Pit 9

Test Pit 10

Test Pit 12

Test Pit 11

Test Pit 13

Test Pit 14

Test Pit 15

Test Pit 16

Test Pit 17

Test Pit 17A

Test Pit 18

Test Pit 19

Test Pit 20

Test Pit 21

Test Pit 23

Test Pit 22

Test Pit 24

Test Pit 25

Test Pit 26

Test Pit 28

Test Pit 29

Test Pit 30

Test Pit 32

Test Pit 31

Test Pit 33

Test Pit 34 with water main exposed

Test Pit 35

Test Pit 36

Test Pit 37

Test Pit 38

Test Pit 40A

Test Pit 39

Test Pit 40B

Test Pit 41

Test Pit 43

Test Pit 42

Test Pit 44

Test Pit 45

Test Pit 46

Test Pit 47

Test Pit 48

Test Pit 49

55-gallon drum taken from TP-49

APPENDIX B

TEST PIT LOGS – FACTORY SITE

SJB SERVICES, INC.

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-1 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown coarse gravel (fill)	0	
2'			
3'	Brown f-c sand and f-c gravel, tr. silt (fill)	0	
4'			
5'		0	
6'			
7'	Gray Silty CLAY, tr. Sand	0	
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

Analytical sample taken at 5' bgs for metals and PCBs
PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-2/2A (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	f-c sand and f-c gravel, little silt	0	
2'			
3'	Concrete slab encountered at 3.0'	0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-3 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt		
2'		0	
3'			
4'	black s-m sand, some slag, slight odor	11.6	
5'	Gray silty Clay		
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 11.6 ppm
Analytical samples taken at 4.0' for VOCs, sVOCs, Pesticides, Herbicides, Metals, PCBs, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-4 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt		
2'	some organics	0	
3'			
4'		0	
5'	Gray silty Clay, tr. Sand		
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-5 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'		0	
3'	Concrete slab encountered at 3.0'	0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-6/6A (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'		0	
3'	Concrete slab encountered at 2.5'	0	
	Test Pit Completed at 2.5'		
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical Sample taken at 1.5' for Metals
Composite analytical sample taken with TP-11 and TP-16 at the surface for VOCs, s-VOCs, Metals, Herbicides, Pesticides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-7 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel some slag, little silt	0	
2'		0	
3'	Concrete slab encountered at 2.5'	0	
	Test Pit Completed at 2.5'		
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical Sample taken at 2.5' at

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-8 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'		0	
3'		0	
4'	black sand and gravel, tr slag	0	
5'	gray silty Clay	0	
6'		0	
7'	Test Pit Completed at 5.5'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 4.0' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-9 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel mixed with asphalt, metal frags.	0	
2'		0	
3'		0	
4'		0	
5'	Concrete slab encountered at 5.0'	0	
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-10 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, tr silt	0	
2'	Concrete slab encountered at 2.0'	0	
3'	Test Pit Completed at 2.0'		
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-11 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'	Concrete slab encountered at 2.0'	0	
3'	Test Pit Completed at 2.0'		
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Composite analytical sample taken with TP-6 and TP-16 at the surface for VOCs, s-VOCs, Metals, PCBs, Herbicides, Pesticides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-12 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil	0	
2'	brownish-black f-c sand and gravel, tr slag	0	
3'		0	
4'		0	
5'		0	
6'		0	
7'	gray silty Clay	0	
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 2.0' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-13 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and gravel, some silt	0	
2'	Concrete slab encountered at 1.5' Test Pit Completed at 1.5'	0	
3'			
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-14 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown-black f-c sand	0	
2'		0	
3'		0	
4'		0	
5'	Concrete Slab encountered at 5.0'	0	
6'	Test Pit Completed at 5.0'	0	
7'		0	
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical Sample taken at 5.0' for Metals and PCBs
VOCs, s-VOCs, Pesticides, Herbicides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-15 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown-black f-c sand, some concrete fragments	0	
2'		0	
3'	Concrete Slab encountered at 2.5'	0	
	Test Pit Completed at 2.5'		
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-16 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown-black f-c sand, some silt	0	
2'		15	
3'	encountered wood fragments (railroad tie?)	869	
4'		10	
5'	Gray silty Clay, tr sand	10	
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

Analytical sample taken at 3.0' for VOCs, s-VOCs, Pesticides, Herbicides, Metals, PCBs, total pheonolics, and hexavalent chromium

Composite analytical sample taken with TP-6 and TP-11 at the surface for VOCs, s-VOCs, Pest, Herb, PCBs, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-17 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and gravel	0	
2'	Brownish-black f-m sand	0	
3'	Concrete Slab encountered at 2.5' Test Pit Completed at 2.5'	0	
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-17A (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c sand, some gravel, some brick fragments	0	
2'		0	
3'	Concrete Slab Encountered at 3.0'	0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analyticla sample taken at 3.0' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-18 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'		0	
7'		0	
8'		0	
9'		0	
10		0	
11'	Test Pit Completed at 10.0'		
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Groundwater encountered at 9.5' below the ground surface (bgs)

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-19 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and f-c gravel, little silt	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'		0	
7'	Test Pit Completed at 6.0'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-20 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c sand and gravel, some slag	0	
2'	orange f-m sand	0	
3'	Brown f-c sand and f-c gravel	0	
4'		0	
5'		0	
6'		0	
7'		0	
8'		0	
9'	Test Pit Completed at 7.5'		
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 2.0' for Metals

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-21 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c sand, some gravel, tr slag and concrete fragments	0	
2'		0	
3'		0	
4'		0	
5'	gray clayey Silt	0	
6'	Test Pit Completed at 5.5'	0	
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-22 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brownish-gray f-c sand and gravel	0	
2'		0	
3'	Brown f-c sand and f-c gravel	0	
4'		0	
5'		0	
6'		0	
7'	Test Pit Completed at 6.0'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-23 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil mixed with sand and gravel, some silt Concrete Slab encountered at 1.0'	0	
2'	Test Pit Completed at 1.0'		
3'			
4'			
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-24 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and gravel	0	
2'		0	
3'		0	
4'		0	
5'	gray clayey silt, some f-m gravel	0	
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 4.0' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

SJB SERVICES, INC.

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-25 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black cinders, some gravel	0	
2'		0	
3'	gray f-c sand and f-c gravel	30	
4'		15	
5'	becomes brown	18	
6'		0	
7'	Test Pit Completed at 6.0'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 30 ppm

Analytical Sample taken at 4.0' for Metals, PCBs, VOCs, s-VOCs, Pesticides, Herbicides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-26 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brownish-black sand and gravel, some silt, tr slag	0	
2'		0	
3'		0	
4'	gray f-c sand and f-c gravel	0	
5'		0	
6'	becomes brown	0	
7'	Test Pit Completed at 6.0'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 1.5' for Metals

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-27 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brownish-black f-c sand, some silt, tr gravel, tr slag	0	
2'		0	
3'		0	
4'	gray f-c sand and f-c gravel, little silt becomes brown	0	
5'		0	
6'		0	
7'	Test Pit Completed at 6.0'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-28 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c sand, some silt, tr cinders, tr slag	0	
2'		0	
3'	grayish f-c sand and gravel	0	
4'	becomes brown	0	
5'		0	
6'		0	
7'		0	
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 3.0' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-29 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brownish-red f-c sand and gravel, tr cinders	0	
2'		0	
3'		0	
4'	gray f-c sand and gravel becomes brown	0	
5'		0	
6'		0	
7'		0	
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-30 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c sand and silt, some wood fragments, general construction fill (i.e. rubber hose, wood planks, metal, etc.)	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'		0	
7'		0	
8'	Brown f-m sand, some gravel, tr. Silt Test Pit Completed at 7.5'	0	
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical Sample taken at 4.5' for Metals, and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-31 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown-black silt, some organics	0	
2'		0	
3'	Brown f-c sand, some gravel	0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Composite analytical sample taken with TP-32 and TP-38 for s-VOCs, Herbicides, Pesticides, Metals, PCBs, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-32 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown f-c sand, some gravel, tr silt	0	
2'		0	
3'		0	
4'		0	
5'	Test Pit Completed at 3.5'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Composite analytical sample taken with TP-31 and TP-38 for s-VOCs, Pesticides, Herbicides, Metals, PCBs, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-33 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown f-c sand, some gravel, tr silt	0	
2'		0	
3'		0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-34 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brownish f-c sand, some gravel, tr fill material (i.e. rubber belt, slag, metal fragments, etc.)	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'	Test Pit Completed at 4.5'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Water Main encountered at 4.0'
Analytical sample taken at 3' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-35 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown f-c sand, some gravel, tr silt	0	
2'		0	
3'		0	
4'		0	
	Test Pit Completed at 3.5'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-36 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown f-c sand, some gravel, tr silt	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-37 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil, some cinders and slag Brown f-c sand, some gravel, tr silt	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'	Test Pit Completed at 4.5'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Anlaytical sample taken at 1' for VOCs
Composite analytical sample taken with TP-39 and TP-40B for s-VOCs, Pesticides, Herbicides, Metals, PCBs, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-38 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil	0	
2'	Brown f-c sand, some gravel, tr silt	0	
3'		0	
4'		0	
5'		0	
6'	Test Pit Completed at 4.5'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Composite analytical sample taken with TP-31 and TP-32 for s-VOCs, Pesticides, Herbicides, Metals, PCBs, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-39 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black silt and slag, some sand	0	
2'		0	
3'	Brown f-c sand, some gravel, tr silt	0	
4'		0	
5'	Test Pit Completed at 4.0'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Composite analytical sample taken with TP-37 and TP-40B for s-VOCs, Pesticides, Herbicides, Metals, PCBs, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-40A (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish-brown silt mixed with metal fragments, slag, pipes, etc.	0	
2'		0	
3'	Concrete slab encountered at 3.0'	0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-40B (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand, tr silt, tr organics	0	
2'		0	
3'		0	
4'		0	
5'		0	
	Brown f-c sand, some gravel, tr silt		
6'	Test Pit Completed at 4.5'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Composite analytical sample taken with TP-37 and TP-39 for s-VOCs, Pesticides, Herbicides, Metals, PCBs, and Total Phenolics

Analytical sample taken at 3.0' for Metals and PCBs

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-41 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil	0	
2'	f-c sand, some silt, tr slag	0	
3'	*Lead conduit encountered	0	
4'		0	
5'	Brown f-c sand, some gravel, tr silt	0	
6'	Test Pit Completed at 5.0'		
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical sample taken at 2' for Metals

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-42 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Black sandy silt, little slag, tr cinders	0	
2'		0	
3'		0	
4'	Brown f-m sand, some silt, tr gravel	0	
5'		0	
6'	Test Pit Completed at 5.5'	0	
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical sample taken at 2' for Metals

Composite analytical sample taken with TP-46 and TP-49 at the surface for PCBs, Metals, Herbicides, Pesticides, VOCs, s-VOCs, Total Phenolics, and Hexavalent Chromuim

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-43 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brownish-black sandy silt, little slag, tr cinders	0	
2'		0	
3'		0	
4'		0	
5'		0	
6'		0	
7'	Brown sandy silt, tr gravel Test Pit Completed at 6.5'	0	
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-44 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
	Topsoil	0	
1'	Blackish sandy silt, some gravel, tr slag		
2'		35	
3'	contains "some" slag, tr metal fragments	20	
4'		0	
5'		0	
6'		0	
7'	Brown sandy silt, little gravel, tr clay	0	
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical Sample taken at 3' for VOCs, s-VOCs, Metals, PCBs, Herbicides, Pesticides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-45 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
	Topsoil	0	
1'	Brown-black sandy silt, some gravel, tr slag		
2'		0	
3'		0	
4'	contains more slag	0	
5'		0	
6'		0	
7'		0	
	Brown sandy silt, some gravel, tr clay		
8'	Test Pit Completed at 7.0'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

Western New York Office
5167 South Park Avenue
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Phone: (716) 649-8110
Fax: (716) 649-8051

TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-46 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown-black sandy silt, some gravel, tr slag	0	
2'	Concrete slab (~4") Brown f-c sand and gravel	0	
3'		0	
4'		0	
5'	Black slag	0	
6'		0	
7'	gray sandy silt, some gravel, tr clay	0	
8'		0	
9'	Test Pit Completed at 8.0'		
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical sample taken at 4' for Metals
Composite analytical sample taken with TP-42 and TP-49 for VOCs, s-VOCs, Pesticides, Herbicides, Metals, PCBs, Total Phenolics and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-47 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and gravel	0	
2'		0	
3'		0	
4'		0	
5'	Black slag	0	
6'		0	
7'	Brown sandy silt, some gravel, tr clay	0	
8'		0	
9'	Test Pit Completed at 7.5'		
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical sample taken at 5' for VOCs, s-VOCs, Metals, PCBs, Total Phenolics, Herbicides, Pesticides, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-48 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brownish-black silt, some slag	0	
2'		0	
3'	Brown clayey silt, tr gravel	0	
4'		0	
5'	Test Pit Completed at 3.5'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-49 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil	0	
2'	Red-brown sandy silt, little slag	0	
3'	*metal crum encountered with slag/resin	0	
4'		0	
5'	Brown sandy silt, some gravel, tr clay	0	
6'		0	
7'	Test Pit Completed at 5.5'		
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical sample taken at 3' for Metals
Composite analytical sample taken with TP-42 and TP-46 at the surface for VOCs, s-VOCs, Metals, PCBs, Pesticides, Herbicides, Total Phenolics, and Hexavalent Chromium

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Sept. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-50 (factory site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 80°F
EXCAVATION EQUIP	Ford Backhoe	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Ford 555 c Backhoe
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown f-c sand and gravel	0	
2'	Black f-sand, some concrete frags, tr wood fragments	0	
3'		0	
4'		0	
5'		0	
6'		0	
7'		0	
8'	Test Pit Completed at 6.5'		
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

Analytical sample taken at 5' for Metals and PCBs

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

APPENDIX C

TEST BORING LOGS – FACTORY SITE

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-1
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		Brown f-c SAND and f-c Gravel, tr. silt	
2			
3			
4	BG	Concrete slab previously cored at 3.0'	Analytical sample taken
		Grey- Green Sandy Silt, little Clay	from 3-4'
5			S-1 from 3-7'
			REC= 42"
6	BG		
7			
8		Boring Complete at 7.0'	
9			
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER
DRILL RIG TYPE: SIMCO 2400 SK-1
CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-2
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		Brown f-c GRAVEL and f-c Sand, tr. slag, tr. silt	
2			
3	BG	f-c Sand and f-c Gravel, tr. silt	Concrete slab previously cored at 2.0'
4		Grey- Green Sandy SILT, little Clay, tr. gravel (wet)	Analytical sample taken from 2-3'
5			S-1 from 2-6'
6	BG		Poor Recovery REC= 12"
7		Boring Complete at 6.0'	
8			
9			
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER DRILL RIG TYPE: SIMCO 2400 SK-1 CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-3
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY LOCATION: FRIENDSHIP, NEW YORK
PROJ. NO.: BEV-07-022

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		f-c SAND and f-c Gravel, tr. slag, tr. silt	
2		Concrete fragments	
3			
4			
5	BG	Grey- Green Sandy Silt, some Clay, tr. gravel (wet)	Concrete slab previously cored at 4.0'
6		Contains Black seams	S-1 REC= 36"
7	BG		Analytical sample taken from 4-7'
8		Brownish f-c SAND and f-c Gravel (reworked native) (Black seams)	
9	BG		
10			S-2 REC= 48"
11	BG	Brown Sandy SILT, some G	
12			
13	BG	same	
14			S-3 REC= 48"
15			
16	BG	Boring Complete at 16.0'	

DRILLER: S. FULLER DRILL RIG TYPE: SIMCO 2400 SK-1 CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-4
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY LOCATION: FRIENDSHIP, NEW YORK
PROJ. NO.: BEV-07-022

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		f-c SAND and f-c Gravel, some Slag, tr. concrete fragments, tr. asphalt fragments	
2			
3			
4	BG	Blackish Sandy Silt, some Clay, tr. gravel	Concrete slab previously cored 3.0'
5			Analytical sample taken from 3-4'
6	BG		S-1 REC= 42"
7		Brownish Silty CLAY	
8		Boring Complete at 7.0'	
9			
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER DRILL RIG TYPE: SIMCO 2400 SK-1 CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-5
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY LOCATION: FRIENDSHIP, NEW YORK
PROJ. NO.: BEV-07-022

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		f-c SAND and Gravel, tr. slag, concrete fragments	
2			
3			
4			
5	BG	Black f-m Sand, some Silt, little Gravel	Concrete slab previously cored at 4.0'
6			Analytical sample taken S-1 REC= 42"
7	BG		
8		Greyish Brown Silty CLAY, some Sand	
9	BG		
10			
11	BG		S-2 REC= 48"
12			
13		Boring Complete at 12.0'	
14			
15			
16			

DRILLER: S. FULLER DRILL RIG TYPE: SIMCO 2400 SK-1 CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-6
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		Brown f-c SAND and f-c Gravel	
2			
3			
4		Brown f-c Sand and Gravel	Concrete slab previously cored at 3.0'
5	BG	CONCRETE rubble	S-1 REC= 24"
6		Boring Refusal at 5.0'	
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER
DRILL RIG TYPE: SIMCO 2400 SK-1
CLASSIFIED BY: J. METZGER
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-7
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY LOCATION: FRIENDSHIP, NEW YORK
PROJ. NO.: BEV-07-022

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
		CONCRETE Slab	
1		f-m SAND, some Gravel	S-1 REC= 10" Concrete slab
2		Boring Refusal at 1.5'	
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER DRILL RIG TYPE: SIMCO 2400 SK-1 CLASSIFIED BY: J. METZGER

METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-8
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
		CONCRETE Slab	
1	BG	Brown f-c SAND and Gravel, some Silt	
2			S-1 REC= 36"
3			
4	BG		
5	BG		
6		Becomes Grey with slight Black staining (slight petroleum odor)	S-2 REC= 48" Analytical sample taken
7	5	(wet)	from 6-7'
8			
9	7	Contains more Silt	S-3 REC= 48"
10			
11			
12	BG	Brown Sandy SILT, tr. clay	
13		Boring Complete at 12.0'	
14			
15			
16			

DRILLER: S. FULLER
DRILL RIG TYPE: SIMCO 2400 SK-1
CLASSIFIED BY: J. METZGER
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-9
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1	BG	CONCRETE Slab	
2		Reddish f-c SAND, some Gravel, tr. silt	S-1 REC= 42"
3			
4	BG		
5	BG		Analytical sample taken from 3-6'
6		SLAG	
7	BG	Grey Sandy SILT, some Clay	S-2 REC= 48"
8		Becomes Brown	
9		Boring Complete at 8.0'	
10			
11			
12			
13			
14			
15			
16			

DRILLER: S. FULLER
DRILL RIG TYPE: SIMCO 2400 SK-1
CLASSIFIED BY: J. METZGER
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE:
STARTED 10/3/2007
FINISHED 10/3/2007
SHEET 1 OF 1

SJB SERVICES, INC.
DIRECT PUSH LOG

HOLE NO. B-10
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.	PID READING	SOIL OR ROCK CLASSIFICATION	NOTES
1		f-c SAND and f-c Gravel, tr. organics	
2			
3	BG	Brown Sandy Gravel, some Silt, tr. clay	Concrete slab previously cored at 2.0'
4			S-1 REC= 48"
5	BG		
6		SLAG	
7	BG	Greyish- Black SILT, tr. sand (wet)	S-2 REC= 48"
8			
9		Brown- Grey Sandy SILT, t	
10	BG		
11		Boring Complete at 10.0'	
12			
13			
14			
15			
16			

DRILLER: S. FULLER
DRILL RIG TYPE: SIMCO 2400 SK-1
CLASSIFIED BY: J. METZGER
METHOD OF INVESTIGATION: ASTM 6282 - DIRECT PUSH SAMPLING

DATE
START 11/14/2007
FINISH 11/14/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-11
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12		N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
		1	3	7				TOPSOIL	
			8	9		15	0	Black CINDERS with Slag, some Gravel	
		2	9	12					
			14	10		26	0	Brownish Silty CLAY, little Sand	
5								Boring Complete at 4.0'	
10									
15									
20									
25									
30									
35									
40									

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/15/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-12
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12		N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
		1	3	5				TOPSOIL	
			6	5		11	0	Brown SAND and Slag, little Gravel	
		2	3	3					
			4	9		7	0	same	
5								Boring Complete at 4.0'	
10									
15									
20									
25									
30									
35									
40									

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/15/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-13
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12		N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
		1	3	5				TOPSOIL	
			5	6		10	0	Black- Brown Sandy SILT, Slag, Gravel	
		2	6	6					
			6	8		12	0	same	
5								Boring Complete at 4.0'	
10									
15									
20									
25									
30									
35									
40									

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/15/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-14
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FRIENDSHIP, NEW YORK

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12		N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
		1	2	3				TOPSOIL mixed with Slag, Gravel (Orange color)	
			5	6		8	0		
		2	7	5					
			5	4		10	0	same	
5								Boring Complete at 4.0'	
10									
15									
20									
25									
30									
35									
40									

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/15/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. B-15
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY LOCATION: FRIENDSHIP, NEW YORK
PROJ. NO.: BEV-07-022

DEPTH FT.		SMPL NO.	BLOWS ON SAMPLER 0/6	6/12		N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
		1	3	3				TOPSOIL	
			5	5		8	0	Red- Brown Foundry SAND, tr. slag	
		2	5	4					
			5	2		9	0	same	
5								Boring Complete at 4.0'	
10									
15									
20									
25									
30									
35									
40									

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

CLASSIFIED BY: Geologist

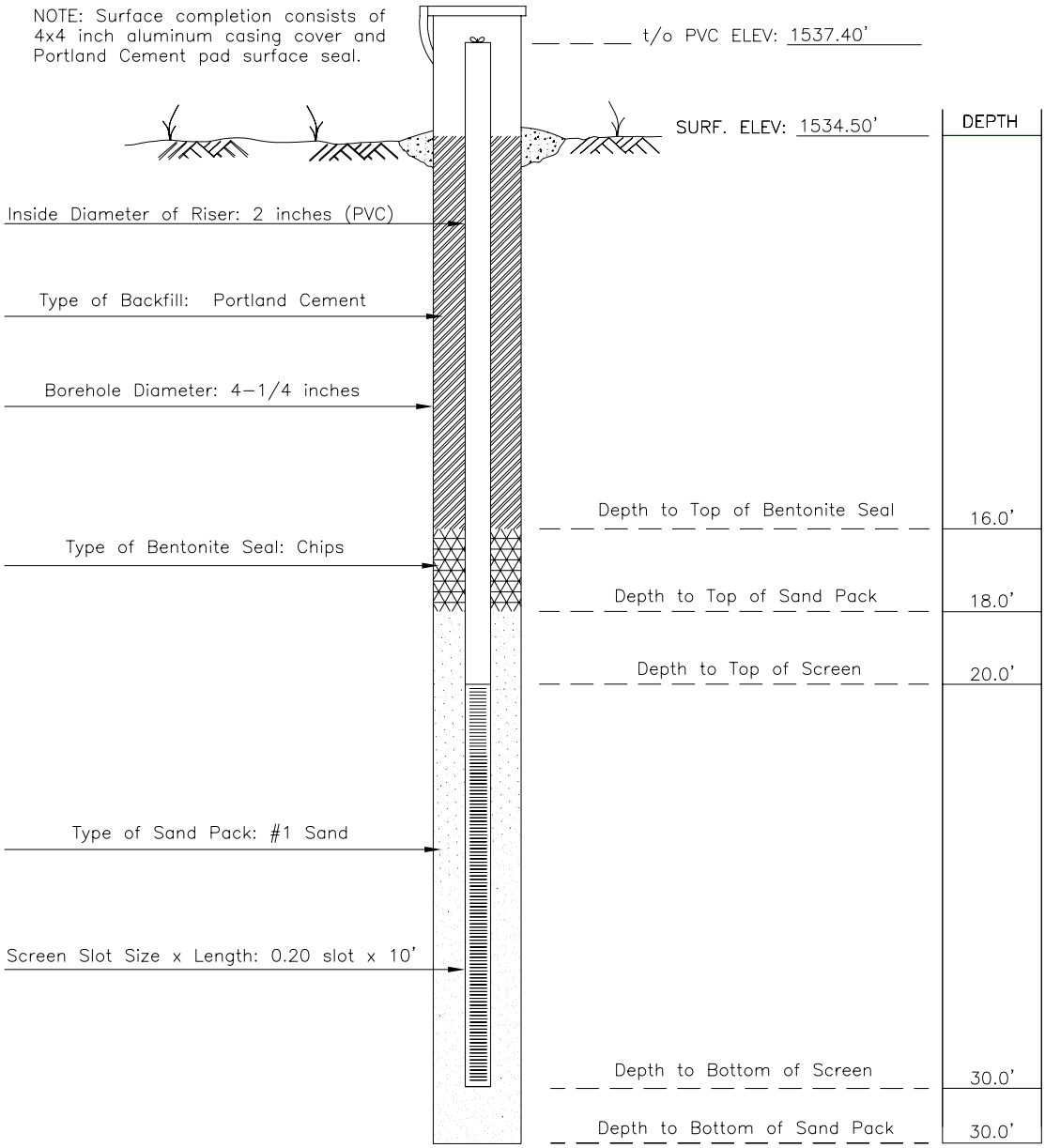
DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

APPENDIX D

MONITORING WELL INSTALLATION DETAILS – FACTORY SITE



WELL No. MW–6

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

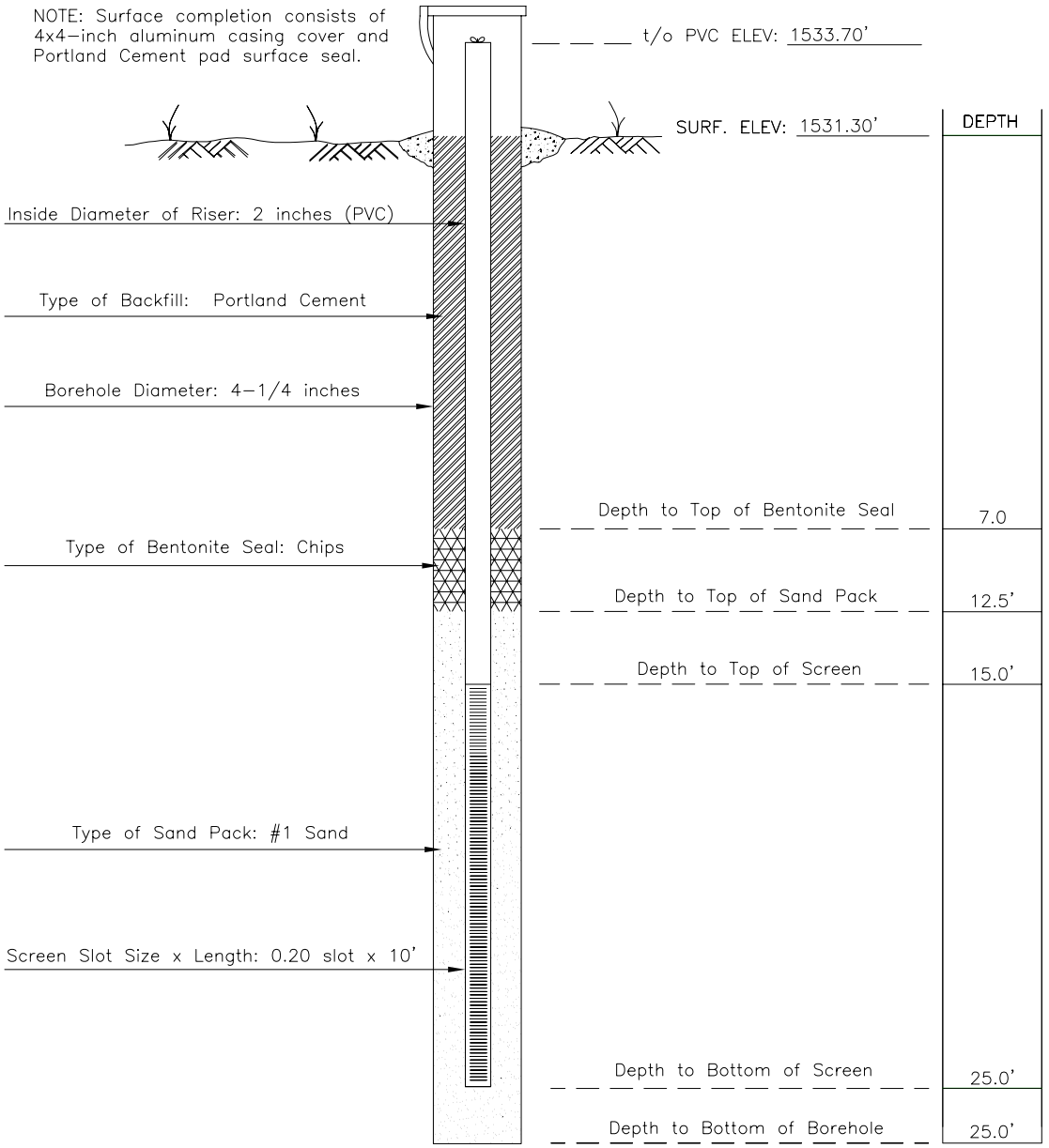
(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
FACTORY SITE (HOWARD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE:	*not to scale*
DATE INSTALLED:	*11–14–2007*
DRAWN BY:	*JCM*
REV'D BY:	*DRS*
DWG. FILE:	*FRIENDSHIP*
PROJ. No.:	*BEV–07–022*



WELL No. MW–7

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

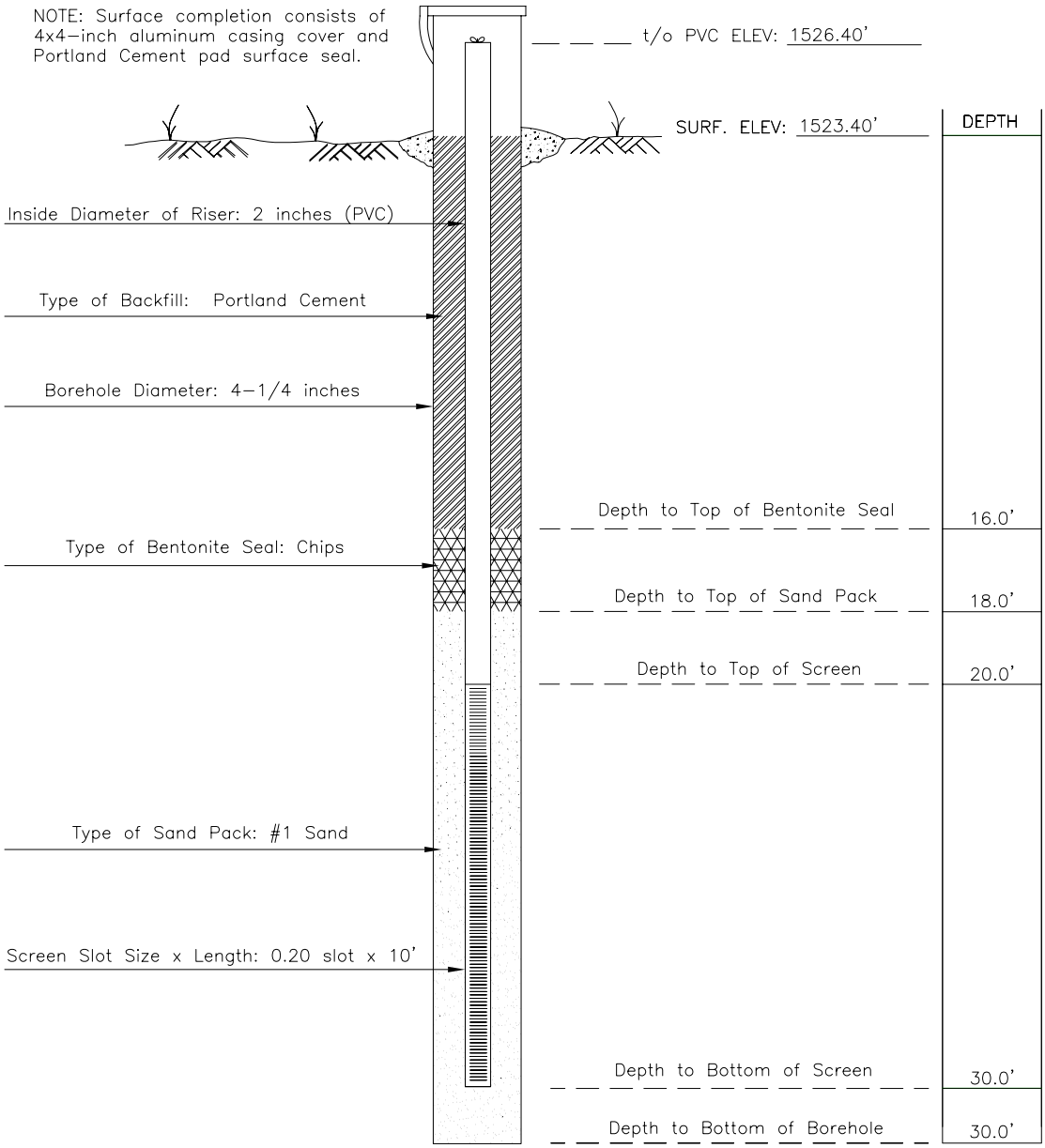
(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
FACTORY SITE (HOWARD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE: *not to scale*
DATE INSTALLED: *11–15–2007*
DRAWN BY: *JCM*
REV'D BY: *DRS*
DWG. FILE: *FRIENDSHIP*
PROJ. No.: *BEV–07–022*



WELL No. MW–8

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
FACTORY SITE (HOWARD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE:	*not to scale*
DATE INSTALLED:	*11–15–2007*
DRAWN BY:	*JCM*
REV'D BY:	*DRS*
DWG. FILE:	*FRIENDSHIP*
PROJ. No.:	*BEV–07–022*

DATE
START 11/14/2007
FINISH 11/14/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-6
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FACTORY SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	6	5				TOPSOIL	
		4	4		9	0	Brown Sandy SILT and f-c Gravel (moist, compact)	
	2	5	13					
		31	28		43	0		
5								
10								
	3	7	7				Brown Sandy SILT (moist, firm)	
		12	14		19	0		
15								
	4	7	8					
		11	13		19	0		Groundwater encountered at approximately 18- feet.
20								
	5	8	9				Brown- Tan Silty CLAY, some Gravel (wet, v. stiff)	
		12	12		21	0		
							Brown Sandy SILT (wet, firm)	
25								
	6	2	2					
		2	5		4	0		
30								
							Boring Complete at 30.0'	Installed 2" PVC well. See monitoring well installation detail.
35								
40								

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE: CME- 550

METHOD OF INVESTIGATION: ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/14/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-7
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022

LOCATION: FACTORY SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	4	6				Brownish SILT with topsoil, some Gravel	
		3	3		9	0	Brown f-c SAND, some Silt, little Gravel (moist, FILL)	
	2	4	6					
		3	3		9	0		
5	3	5	4					Poor Recovery Sample #3
		5	5		9	0	Contains Black Slag from 5-6'	
	4	3	3				Brown- Tan Sandy SILT, little Gravel, tr. clay	
		6	6		9	0	(moist, loose)	
10								
	5	7	8					Poor Recovery Sample #5
		9	10		17	0		
15								Groundwater encountered
	6	7	7				f-c SAND and f-c Gravel (wet)	at approximately 15- feet.
		9	12		16	0	Brown Sandy SILT, little Gravel (wet, firm)	
20							Becomes Grey	
	7	5	5				Contains "little" Clay	
		4	11		9	0		
25							Boring Complete at 25.0'	Installed 2" PVC monitoring well. See monitoring well installation detail.
30								
35								
40								

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/15/2007
FINISH 11/15/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-8
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: FACTORY SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	8	13				Brown- Tan SAND and Silt, some Gravel (moist, FILL)	
		23	27		36	0	Becomes Black, contains some Slag	
	2	19	25				Brown- Tan SAND and Silt, some Gravel	Poor Recovery Samples
		29	31		54	0	(moist, v. compact)	#2 and #3
5	3	32	37					
		27	20		64	0		
	4	20	21					
		37	24		58	0		
	5	14	22				(compact)	
10		22	16		44	0		
	6	21	19					
		17	20		36	0		
15								
	7	8	3				Brown Sandy SILT (moist, loose)	
		3	5		6	0		
20								Groundwater encountered
	8	6	6				Contains Silt and Sand (wet, firm)	at approximately 20- feet.
		5	3		11	0		
25								
	9	3	5				Becomes Grey	
		10	10		15	0		
30								
							Boring Complete at 30.0'	Installed 2" PVC well. See monitoring well installation detail.
35								
40								

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

APPENDIX E

SITE PHOTOGRAPHS – DISPOSAL SITE

Test Pit 1

Test Pit 2

Debris from Test Pit 1 (i.e. drums, metal fragments, etc.)

55-gallon drum excavated from Test Pit 2 (“whitish slag” material)

Test Pit 3

Test Pit 4

Test Pit 5 with the brick foundation ~12’ bgs.

Test Pit 6

55-gallon drum encountered in Test Pit 6 (“green resin” material)

Test Pit 8

Test Pit 7

Test Pit 9

55-gallon drum encountered in Test Pit 10 (“whitish slag” material)

Contents of a 55-gallon drum encountered in Test Pit 10 (saturated, black fine sand material)

Test Pit 10

Contents of a 55-gallon drum encountered in Test Pit 10 (“tan resin” material).

55-gallon drum encountered in Test Pit 10 (“whitish slag” material)

“Whitish slag” material encountered in a 55-gallon drum in Test Pit 10

Test Pit 11

Test Pit 12

Test Pit 13

Test Pit 14

Test Pit 15

APPENDIX F

TEST PIT LOGS – DISPOSAL SITE

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5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-1 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish silt intermixed with topsoil and slag	0	
2'			
3'	Black sandy silt, some slag, tr wood fragments	0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10	Brown sand, some silt, little brick fragments		
11'		0	
12'			
13'	contains little concrete fragments	0	
14'			
15'		0	
	Test Pit Completed at 16.0'		

PID = 0.0 ppm

Analytical sample taken at 4' for PCBs, Pesticides, Herbicides, Metals, s-VOCs, VOCs, and Total Phenolics

3-55 gallon drums encountered with whitish slag

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-2 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil mixed with slag	0	
2'	Blackish brown sandy silt, little slag		
3'		0	
4'			
5'		0	
6'	contains tr metal fragments		
7'		0	
8'			
9'		0	
10	Brown f-c sand and f-c gravel		
11'		0	
12'			
13'		0	
14'	Test Pit Completed at 13.0'		
15'			

PID = 0.0 ppm

3-55 gallon drums encountered with whitish slag

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-3 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil	0	
2'	Black silt, some sand, little slag		
3'		0	
4'	Brown f-c sand and f-c gravel		
5'	Test Pit Completed at 4.0'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

SJB SERVICES, INC.

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-4 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish sandy silt, some slag	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10			
11'		0	
12'			
13'		0	
14'			
15'	Brown sandy silt, tr gravel	0	
	Test Pit Completed at 15.0'		

PID = 0.0 ppm
Analytical sample taken in the native soils for PCBs, Pesticides, Herbicides, Metals, s-VOCs, VOCs, and Total Phenolics
2-55 gallon drums encountered filled with whitish slag
1-55 gallon drum filled with groundwater liquids

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-5 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish sandy silt, some slag	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10	Brown sandy silt, some red brick		
11'		0	
12'	Concrete slab encountered at 12.0'		
13'	Test Pit Completed at 12.0'		
14'			
15'			

PID = 0.0 ppm

1-55 gallon drum encountered with whitish slag

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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Fax: (716) 649-8051

TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-6 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black sand and silt, some slag	0	
2'			
3'		0	
4'	contains more sand (foundry sand)		
5'		0	
6'			
7'		0	
8'			
9'		0	
10			
11'		0	
12'	Brown f-c sand and f-c gravel		
13'		0	
14'	Test Pit Completed at 13.0'		
15'			

PID = 0.0 ppm

8-55 gallon drum encountered with whitish slag

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-7 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish sandy silt, some slag	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'	Brown f-c sand and f-c gravel		
9'	Test Pit Completed at 8.0'		
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

4-55 gallon drum encountered with whitish slag

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-8 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Brown-light tan silty sand, some brick fragments, tr concrete fragments	0	
2'			
3'		0	
4'	Brown f-c sand and f-c gravel, little silt		
5'	Test Pit Completed at 4.0'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-9 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / B. Murray	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish silty sand, some slag, tr gravel	0	
2'			
3'		0	
4'			
5'		0	
6'	trace metal debris		
7'		0	
8'			
9'		0	
10			
11'		0	
12'			
13'		0	
14'			
15'		0	
	Brown f-c sand and f-c gravel, little silt		

Test Pit Completed at 16.0'

PID = 0.0 ppm

9-55 gallon drums encountered filled with "resin"

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-10 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish silty sand, some slag, metal debris	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10			
11'		0	
12'			
13'	Brown silty sand, little gravel	0	
14'	Test Pit Completed at 13.0'		
15'			

1-55 gallon drum filled with whitish slag
1-55 gallon drum filled with "resin"
1-55 gallon drum filled with saturated black fine sand
Analtical sample taken of pourous rust colored slag for PCBs, s-VOCs, VOCs, Pesticides, Herbicides, Metals, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

SJB SERVICES, INC.

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-11 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish-gray silty sand, some slag, tr metal debris	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10	Brown f-c sand and f-c gravel, little silt		
11'	Test Pit Completed at 10.0'		
12'			
13'			
14'			
15'			

PID = 0.0 ppm
6-55 gallon drum filled with greyish slag mixed with greenish resin
Analytical sample taken for VOCs, s-VOCs, Metals, PCBs, Herbicides, Pesticides, Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-12 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Blackish silty sand, little slag	0	
2'			
3'		0	
4'	Brown-grey silty clay, tr sand		
5'	Test Pit Completed at 4.0'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm
Analytical sample taken for PCBS, VOCs, s-VOCs, Pesticides, Herbicides, Metals, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-13 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black silty sand, little slag	0	
2'			
3'		0	
4'			
5'		0	
6'			
7'		0	
8'			
9'		0	
10			
11'		0	
12'			
13'		0	
14'			
15'	Brown f-c sand and f-c gravel, little silt	0	
	Test Pit Completed at 15.0'		

PID = 0.0 ppm
3-55 gallon drums encountered filled with whitish slag mixed with black "resin"

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

Western New York Office
5167 South Park Avenue
Hamburg, NY 14075
Phone: (716) 649-8110
Fax: (716) 649-8051

TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-14 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Topsoil Brown f-c sand and f-c gravel, little silt	0	
2'			
3'		0	
4'	Test Pit Completed at 3.0'		
5'			
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

PID = 0.0 ppm

ABREVIATIONS		PROP USED	
F - FINE	F/M - FINE TO MEDIUM	TRACE (TR.)	0-10%
C - COARSE	F/C-FINE/COARSE	LITTLE (LI.)	10 - 20%
GR - GRAY	M - MEDIUM	SOME (SO.)	20 -35%
BN - BROWN	V-VERY	AND	35 - 50%
YEL-YELLOW			

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TEST PIT FIELD LOG

Oct. 2007

PROJECT	Friendship Foundry	LOCATION	Friendship, New York
CLIENT	NYSDEC	TEST PIT NO.	TP-15 (disposal site)
CONTRACTOR	Empire - Geo Services, Inc.	PROJECT NO.	BEV-07-022
FIELD REP	J. Metzger / C. Staniszewski	WEATHER / TEMP	sunny / 55°F
EXCAVATION EQUIP	Excavator	OPERATOR	G. Morris
GROUND ELEV		MAKE/ MODEL	Caterpillar Excavator 312D
TIME STARTED		CAPACITY	CY
TIME FINISHED		REACH	FT

DEPTH	SOIL DESCRIPTION	PID READING	Remarks
1'	Black f-c gravel, some slag	0	
2'	Brown f-c sand and f-c gravel		
3'		0	
4'			
5'	Test Pit Completed at 4.0'		
6'			
7'			
8'			
9'			
10			
11'			
12'			
13'			
14'			
15'			

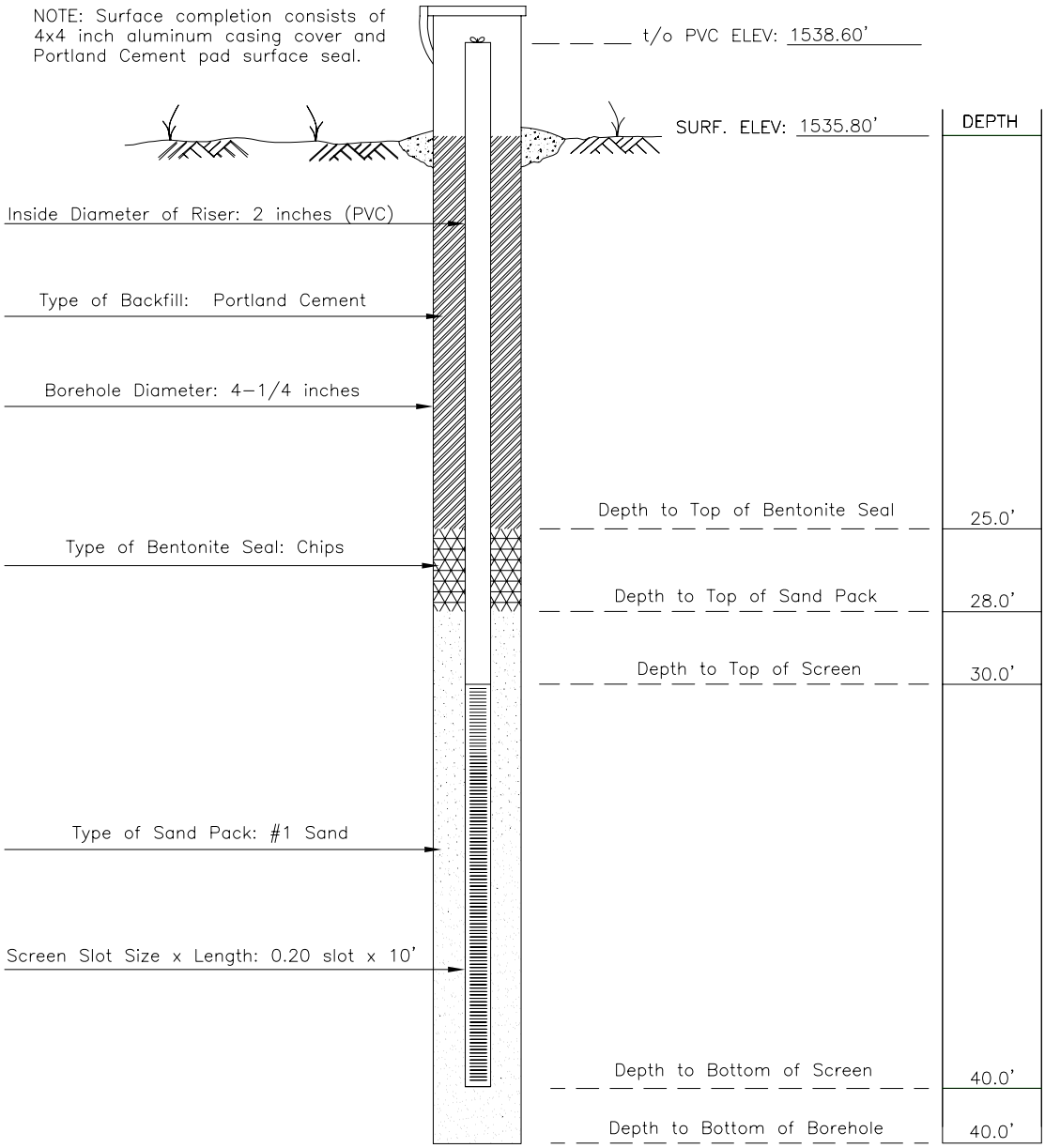
PID = 0.0 ppm
Analytical sample taken for VOCs, s-VOCs, Metals, PCBs, Herbicides, Pesticides, and Total Phenolics

ABREVIATIONS	
F - FINE	F/M - FINE TO MEDIUM
C - COARSE	F/C-FINE/COARSE
GR - GRAY	M - MEDIUM
BN - BROWN	V-VERY
YEL-YELLOW	

PROP USED	
TRACE (TR.)	0-10%
LITTLE (LI.)	10 - 20%
SOME (SO.)	20 -35%
AND	35 - 50%

APPENDIX G

MONITORING WELL INSTALLATION DETAILS – DISPOSAL SITE



WELL No. MW–9

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

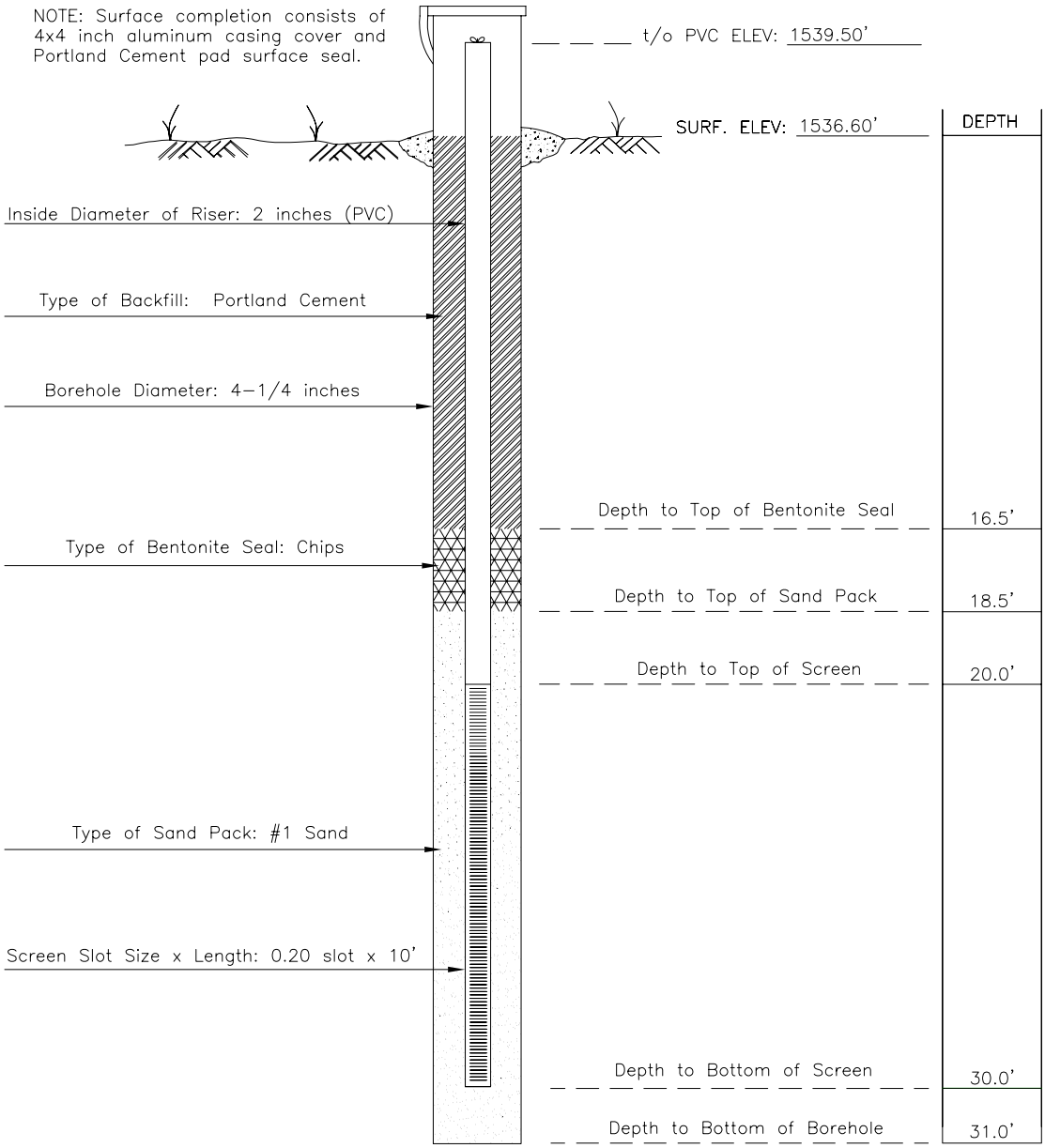
(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
DISPOSAL SITE (ELMWOOD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE: *not to scale*
DATE INSTALLED: *11–19–2007*
DRAWN BY: *JCM*
REV'D BY: *DRS*
DWG. FILE: *FRIENDSHIP*
PROJ. No.: *BEV–07–022*



WELL No. MW–10

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

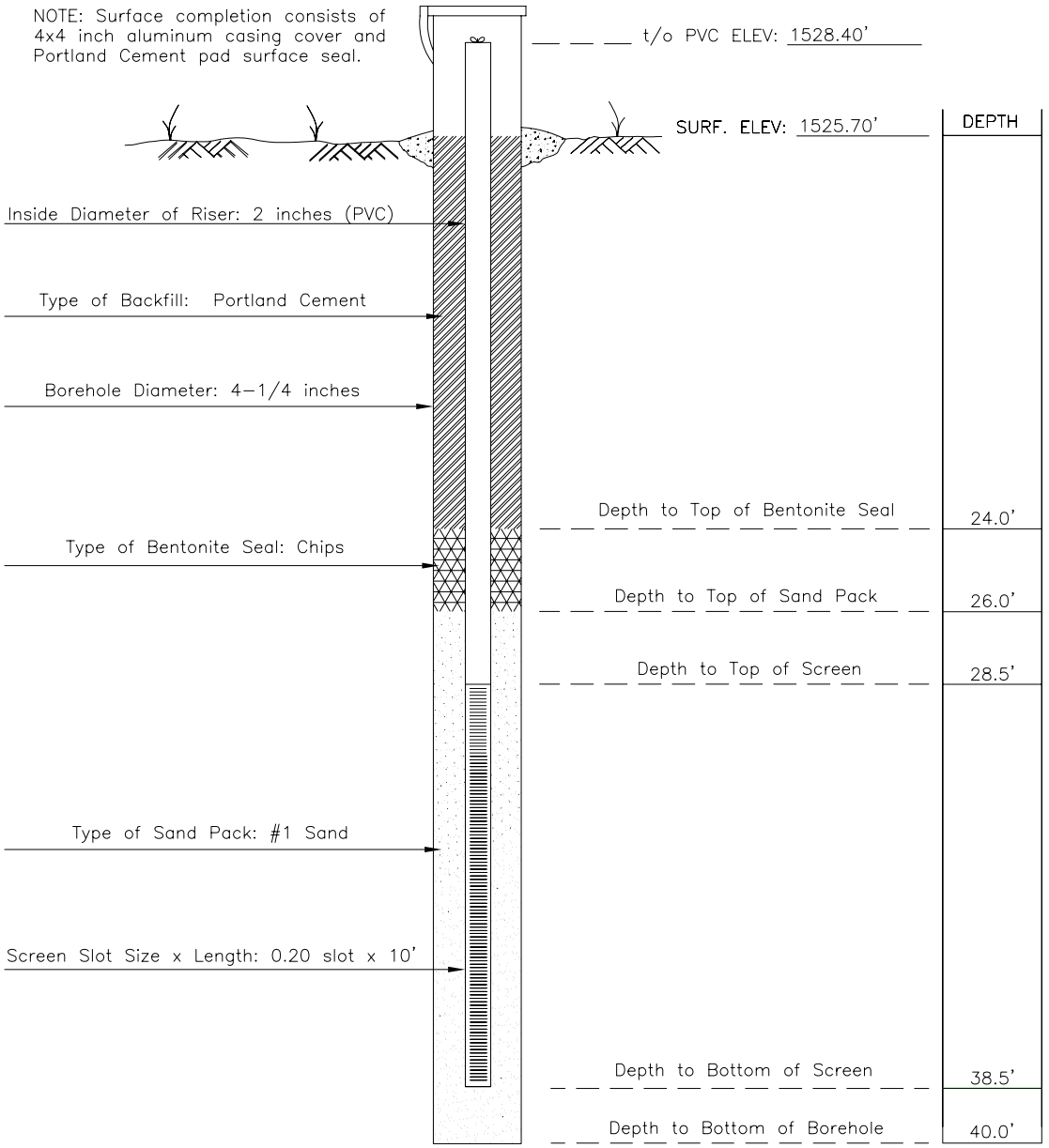
(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
DISPOSAL SITE (ELMWOOD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE: *not to scale*
DATE INSTALLED: *11–19–2007*
DRAWN BY: *JCM*
REV'D BY: *DRS*
DWG. FILE: *FRIENDSHIP*
PROJ. No.: *BEV–07–022*



WELL No. MW–11

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

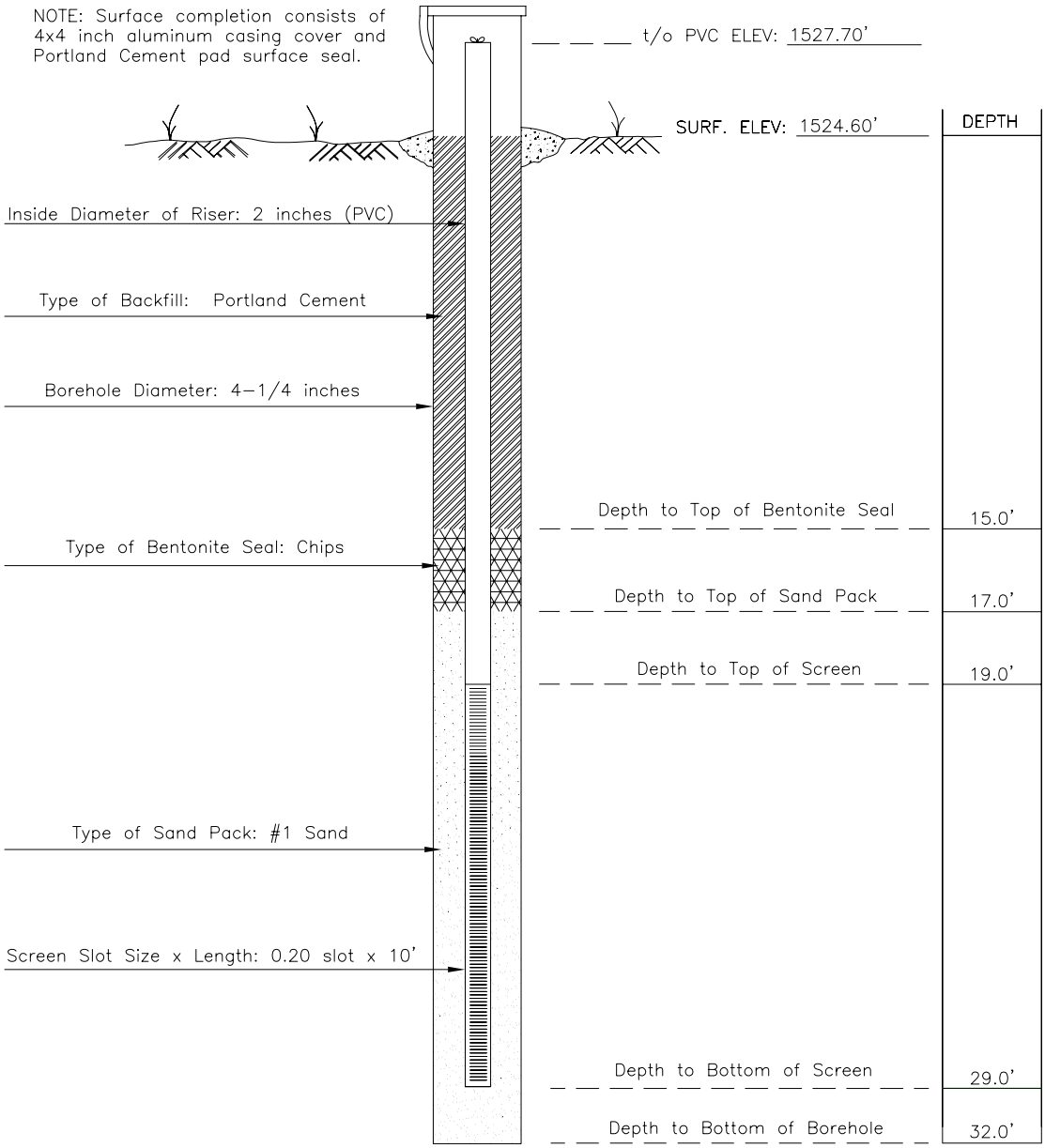
(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
DISPOSAL SITE (ELMWOOD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE: *not to scale*
DATE INSTALLED: *11–20–2007*
DRAWN BY: *JCM*
REV'D BY: *DRS*
DWG. FILE: *FRIENDSHIP*
PROJ. No.: *BEV–07–022*



WELL No. MW–12

NOTES:
(1) Drilling Method: ASTM D–1586 Using 4–1/2 inch hollow stem auger

(2) Driller: K. Fuller

(3) Geotechnical & Environmental Specialist: J. Metzger

EMPIRE GEO SERVICES INC
a subsidiary of SJB Services, Inc.

MONITORING WELL INSTALLATION DETAIL

FRIENDSHIP FOUNDRY
DISPOSAL SITE (ELMWOOD STREET)
TOWN OF FRIENDSHIP, NEW YORK

SCALE: *not to scale*
DATE INSTALLED: *11–20–2007*
DRAWN BY: *JCM*
REV'D BY: *DRS*
DWG. FILE: *FRIENDSHIP*
PROJ. No.: *BEV–07–022*

DATE
START 11/19/2007
FINISH 11/19/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-9
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: DISPOSAL SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	9	11				Brown f-c SAND and Gravel, some Silt, tr. clay,	
		13	21		24	0	tr. slag (moist, FILL)	
	2	36	26					
		50/0.4			REF	0		REF= Sample Spoon Refusal
5								
10								
	3	8	10				Grey Clayey SILT, tr. sand (moist, hard0	
		12	20		22	0		
15								
	4	8	9					Poor Recovery Sample #4
		12	13		21	0	(v. stiff)	
20								
	5	5	5					
		8	9		13	0	(stiff)	
25								
	6	3	5					
		7	6		12	0		
30								
	7	6	7					No Recovery Sample #7
		8	8		15	0	(wet)	Groundwater encountered at approximately 30- feet.
35								Installed 2" PVC well. See monitoring well installation detail.
40							Boring Complete at 40.0'	

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE: CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/19/2007
FINISH 11/19/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-10
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: DISPOSAL SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	10	8				Black fine SAND, some Slag (moist, FILL)	
		8	5		16	0		
	2	7	7					
		7	7		14	0		
5	3	11	10					
		6	5		16	0	Brown Sandy SILT, some Gravel (moist, firm)	
10								
15							Auger to 25- feet between samples 3 and 4.	
20								Groundwater encountered at approximately 20- feet.
25	4	76	50/0.3		REF	0	Becomes Grey (wet, v. compact)	REF= Sample Spoon Refusal
30	5	32	50/0.4		REF	0		Poor Recovery Sample #4
35							Boring Complete at 31.0'	Installed 2" PVC well. See monitoring well installation detail.
40								

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/20/2007
FINISH 11/20/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-11
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: DISPOSAL SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
	1	3	5				Brown SILT, some Sand, little Gravel (moist, firm)	
		6	5		11	0		
	2	5	6					
		7	10		13	0		
5								
10	3	7	6				Grey Silty CLAY, little Gravel (moist, stiff)	
		7	9		13	0		
15	4	3	4				Contains tr. gravel	
		5	9		9	0		
20	5	7	7				(v. stiff)	
		12	15		19	0		
25	6	6	6				(stiff)	Poor Recovery Sample #6
		7	10		13	0		
30	7	3	4				(medium)	
		3	4		7	0		
35								Groundwater encountered at approximately 34- feet.
	8	3	3				(wet)	
		2	5		5	0		Installed 2" PVC well. See monitoring well installation detail.
40							Boring Complete at 40.0'	

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

DATE
START 11/20/2007
FINISH 11/20/2007
SHEET 1 OF 1

SJB SERVICES, INC.
SUBSURFACE LOG

HOLE NO. MW-12
SURF. ELEV
G.W. DEPTH See Notes

PROJECT: FRIENDSHIP FOUNDRY
PROJ. NO.: BEV-07-022
LOCATION: DISPOSAL SITE
FRIENDSHIP, NEW YORK

DEPTH FT.	SMPL NO.	BLOWS ON SAMPLER 0/6	6/12	12/18	N	PID	SOIL OR ROCK CLASSIFICATION	NOTES
							Augered to 20- feet before collecting first sample.	
20	1	7	6				Grey Silty SAND, tr. clay (wet, firm)	Groundwater encountered at approximately 20- feet.
		7	8		13	0		
25	2	5	5				Grey Sandy SILT, little Clay (wet, firm)	
		5	6		10	0		
30	3	WOH	WOH					WOH= Weight of Hammer and Rods
		WOH	WOH		WOH	0	(loose)	
35							Boring Complete at 32.0'	Installed 2" PVC well. See monitoring well installation detail.
40								

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

CLASSIFIED BY: Geologist

DRILLER: K. FULLER

DRILL RIG TYPE : CME- 550

METHOD OF INVESTIGATION ASTM D-1586 USING HOLLOW STEM AUGERS

APPENDIX H

UPSTATE LABORATORIES INC. ANALYTICAL REPORTS

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-1@5'
Lab Order:	U0709117	**Collection Date:**	9/5/2007 11:00:00 AM
Project:	Friendship Foundry		
Lab ID:	U0709117-001	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.099		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.099		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	7500	6.0		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Antimony	ND	36		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Arsenic*	16	1.2		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Barium	110	36		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Beryllium	ND	0.60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Cadmium	1.1	0.60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Calcium	2100	60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Chromium	13	6.0		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Cobalt	10	6.0		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Copper	140	2.4		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Iron	44000	3.6		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Lead	420	12		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Magnesium	1800	60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Manganese	370	2.4		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Nickel	140	3.6		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Potassium	840	60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Selenium*	9.0	0.60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Silver	ND	6.0		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Sodium	ND	60		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/10/2007 12:49:00 PM
Vanadium	20	36	J	mg/Kg-dry	1	9/10/2007 12:49:00 PM
Zinc	270	1.2		mg/Kg-dry	1	9/10/2007 12:49:00 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.014	0.239	J	mg/Kg-dry	1	9/11/2007 12:57:11 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	16.3	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:	* Low Level	**	Value exceeds Maximum Contaminant Value
	B Analyte detected in the associated Method Blank	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-3@4'
Lab Order: U0709117
Collection Date: 9/5/2007 11:30:00 AM
Project: Friendship Foundry
Lab ID: U0709117-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	38		µg/Kg-dry	10	9/18/2007
Aldrin	ND	20		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	20		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	20		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	38		µg/Kg-dry	10	9/18/2007
Endrin	ND	38		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	38		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	38		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	20		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	200		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2000		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	9/11/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	9/11/2007
2,4-D	ND	38		µg/Kg-dry	1	9/11/2007
Dicamba	ND	38		µg/Kg-dry	1	9/11/2007
Dinoseb	ND	38		µg/Kg-dry	1	9/11/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	6500	5.8		mg/Kg-dry	1	9/10/2007 1:04:18 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-3@4'
Lab Order: U0709117
Collection Date: 9/5/2007 11:30:00 AM
Project: Friendship Foundry
Lab ID: U0709117-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	35		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Arsenic*	7.6	1.2		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Barium	140	35		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Beryllium	0.59	0.58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Cadmium	1.1	0.58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Calcium	7200	58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Chromium	48	5.8		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Cobalt	8.1	5.8		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Copper	65	2.3		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Iron	31000	3.5		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Lead	81	12		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Magnesium	2500	58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Manganese	580	2.3		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Nickel	39	3.5		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Potassium	970	58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Selenium*	6.4	0.58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Silver	ND	5.8		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Sodium	ND	58		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Thallium*	ND	0.35		mg/Kg-dry	1	9/10/2007 1:04:18 PM
Vanadium	10	35	J	mg/Kg-dry	1	9/10/2007 1:04:18 PM
Zinc	630	1.2		mg/Kg-dry	1	9/10/2007 1:04:18 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.021	0.232	J	mg/Kg-dry	1	9/11/2007 1:00:54 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-3@4'
Lab Order: U0709117
Collection Date: 9/5/2007 11:30:00 AM
Project: Friendship Foundry
Lab ID: U0709117-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	600	3800	J	µg/Kg-dry	10	9/10/2007 9:56:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Benz(a)anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Bis(2-ethylhexyl)phthalate	2000	3800	J	µg/Kg-dry	10	9/10/2007 9:56:00 PM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Chrysene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Fluoranthene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-3@4'
Lab Order:	U0709117	**Collection Date:**	9/5/2007 11:30:00 AM
Project:	Friendship Foundry		
Lab ID:	U0709117-002	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Naphthalene	4700	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Pentachlorophenol	ND	7800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Phenanthrene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Phenol	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM
Pyrene	ND	3800		µg/Kg-dry	10	9/10/2007 9:56:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,1,2,2-Tetrachloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,1,2-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,1-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,1-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,2-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
1,2-Dichloropropane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
2-Butanone	ND	12		µg/Kg-dry	1	9/17/2007 10:12:00 PM
2-Hexanone	ND	12		µg/Kg-dry	1	9/17/2007 10:12:00 PM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Acetone	ND	12		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Benzene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Bromodichloromethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Bromoform	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Bromomethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Carbon disulfide	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Carbon tetrachloride	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Chlorobenzene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Chloroethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Chloroform	2	3.5	J	µg/Kg-dry	1	9/17/2007 10:12:00 PM
Chloromethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
cis-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
cis-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Dibromochloromethane	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-3@4'
Lab Order: U0709117
Collection Date: 9/5/2007 11:30:00 AM
Project: Friendship Foundry
Lab ID: U0709117-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
m,p-Xylene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Methylene chloride	3	3.5	J	µg/Kg-dry	1	9/17/2007 10:12:00 PM
o-Xylene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Styrene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Tetrachloroethene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Toluene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
trans-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
trans-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Trichloroethene	ND	3.5		µg/Kg-dry	1	9/17/2007 10:12:00 PM
Vinyl chloride	ND	2.3		µg/Kg-dry	1	9/17/2007 10:12:00 PM
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.23		mg/Kg-dry	20	9/6/2007 10:30:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	13.9	0.00100		wt%	1	9/10/2007

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-6A@1.5'
Lab Order: U0709117
Collection Date: 9/5/2007 11:55:00 AM
Project: Friendship Foundry
Lab ID: U0709117-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	7800	5.5		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Antimony	ND	33		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Arsenic*	6.5	1.1		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Barium	100	33		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Beryllium	ND	0.55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Cadmium	1.9	0.55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Calcium	17000	55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Chromium	84	5.5		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Cobalt	7.4	5.5		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Copper	130	2.2		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Iron	42000	3.3		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Lead	570	11		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Magnesium	4600	55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Manganese	1800	2.2		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Nickel	39	3.3		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Potassium	960	55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Selenium*	10	0.55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Silver	ND	5.5		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Sodium	210	55		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Thallium*	ND	0.33		mg/Kg-dry	1	9/10/2007 1:15:54 PM
Vanadium	10	33	J	mg/Kg-dry	1	9/10/2007 1:15:54 PM
Zinc	600	1.1		mg/Kg-dry	1	9/10/2007 1:15:54 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.12	0.220	J	mg/Kg-dry	1	9/11/2007 1:01:56 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	9.19	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-7@2.5'
Lab Order: U0709117
Collection Date: 9/5/2007 1:30:00 PM
Project: Friendship Foundry
Lab ID: U0709117-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	4600	5.5		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Antimony	ND	33		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Arsenic*	8.1	1.1		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Barium	96	33		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Beryllium	ND	0.55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Cadmium	3.5	0.55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Calcium	13000	55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Chromium	260	5.5		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Cobalt	13	5.5		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Copper	500	2.2		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Iron	130000	33		mg/Kg-dry	10	9/10/2007 2:21:39 PM
Lead	360	11		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Magnesium	2800	55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Manganese	1500	2.2		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Nickel	120	3.3		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Potassium	650	55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Selenium*	20	0.55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Silver	ND	5.5		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Sodium	ND	55		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Thallium*	ND	0.33		mg/Kg-dry	1	9/10/2007 1:19:26 PM
Vanadium	10	33	J	mg/Kg-dry	1	9/10/2007 1:19:26 PM
Zinc	270	1.1		mg/Kg-dry	1	9/10/2007 1:19:26 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.22	0.222	J	mg/Kg-dry	1	9/11/2007 1:34:38 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	9.77	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-8@4'
Lab Order:	U0709117	**Collection Date:**	9/5/2007 1:00:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.11		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	10000	6.4		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Antimony	ND	38		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Arsenic*	1	1.3	J	mg/Kg-dry	1	9/10/2007 1:23:14 PM
Barium	69	38		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Beryllium	ND	0.64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Cadmium	0.68	0.64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Calcium	8300	64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Chromium	17	6.4		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Cobalt	5	6.4	J	mg/Kg-dry	1	9/10/2007 1:23:14 PM
Copper	30	2.6		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Iron	21000	3.8		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Lead	83	13		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Magnesium	2300	64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Manganese	600	2.6		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Nickel	11	3.8		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Potassium	1300	64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Selenium*	6.5	0.64		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Silver	ND	6.4		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Sodium	50	64	J	mg/Kg-dry	1	9/10/2007 1:23:14 PM
Thallium*	ND	0.38		mg/Kg-dry	1	9/10/2007 1:23:14 PM
Vanadium	20	38	J	mg/Kg-dry	1	9/10/2007 1:23:14 PM
Zinc	170	1.3		mg/Kg-dry	1	9/10/2007 1:23:14 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.056	0.255	J	mg/Kg-dry	1	9/11/2007 1:06:04 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	21.6	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-12@2'
Lab Order:	U0709117	**Collection Date:**	9/5/2007 1:45:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-006	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.11		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9700	6.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Antimony	ND	39		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Arsenic*	390	1.3		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Barium	1500	39		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Beryllium	0.95	0.66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Cadmium	2.0	0.66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Calcium	3500	66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Chromium	23	6.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Cobalt	13	6.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Copper	230	2.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Iron	90000	39		mg/Kg-dry	10	9/10/2007 2:25:13 PM
Lead	1400	13		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Magnesium	1900	66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Manganese	780	2.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Nickel	62	3.9		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Potassium	1300	66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Selenium*	17	0.66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Silver	ND	6.6		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Sodium	ND	66		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Thallium*	ND	0.39		mg/Kg-dry	1	9/10/2007 1:26:41 PM
Vanadium	30	39	J	mg/Kg-dry	1	9/10/2007 1:26:41 PM
Zinc	380	1.3		mg/Kg-dry	1	9/10/2007 1:26:41 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	3.22	0.262		mg/Kg-dry	1	9/11/2007 1:35:50 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	23.8	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-14@5'
Lab Order: U0709117
Collection Date: 9/5/2007 3:00:00 PM
Project: Friendship Foundry
Lab ID: U0709117-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	34		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	34		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	34		µg/Kg-dry	10	9/18/2007
Aldrin	ND	18		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	18		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	18		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	18		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	18		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	34		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	18		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	34		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	34		µg/Kg-dry	10	9/18/2007
Endrin	ND	34		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	34		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	34		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	18		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	18		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	18		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	18		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	180		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	1800		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	34		µg/Kg-dry	1	9/11/2007
2,4,5-TP (Silvex)	ND	34		µg/Kg-dry	1	9/11/2007
2,4-D	ND	34		µg/Kg-dry	1	9/11/2007
Dicamba	ND	34		µg/Kg-dry	1	9/11/2007
Dinoseb	ND	34		µg/Kg-dry	1	9/11/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	2200	5.2		mg/Kg-dry	1	9/10/2007 1:30:17 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-14@5'
Lab Order: U0709117
Collection Date: 9/5/2007 3:00:00 PM
Project: Friendship Foundry
Lab ID: U0709117-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	31		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Arsenic*	1.1	1.0		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Barium	20	31	J	mg/Kg-dry	1	9/10/2007 1:30:17 PM
Beryllium	ND	0.52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Cadmium	ND	0.52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Calcium	1200	52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Chromium	8.2	5.2		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Cobalt	ND	5.2		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Copper	14	2.1		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Iron	9100	3.1		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Lead	20	10		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Magnesium	850	52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Manganese	140	2.1		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Nickel	15	3.1		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Potassium	450	52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Selenium*	1.7	0.52		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Silver	ND	5.2		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Sodium	30	52	J	mg/Kg-dry	1	9/10/2007 1:30:17 PM
Thallium*	ND	0.31		mg/Kg-dry	1	9/10/2007 1:30:17 PM
Vanadium	5	31	J	mg/Kg-dry	1	9/10/2007 1:30:17 PM
Zinc	38	1.0		mg/Kg-dry	1	9/10/2007 1:30:17 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	ND	0.206		mg/Kg-dry	1	9/11/2007 1:08:30 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
1,2,4-Trichlorobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
1,2-Dichlorobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
1,3-Dichlorobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
1,4-Dichlorobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4,5-Trichlorophenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4,6-Trichlorophenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4-Dichlorophenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4-Dimethylphenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4-Dinitrophenol	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,4-Dinitrotoluene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2,6-Dinitrotoluene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2-Chloronaphthalene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2-Chlorophenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-14@5'
Lab Order: U0709117
Collection Date: 9/5/2007 3:00:00 PM
Project: Friendship Foundry
Lab ID: U0709117-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2-Methylphenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2-Nitroaniline	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
2-Nitrophenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
3,3´-Dichlorobenzidine	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
3-Nitroaniline	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4,6-Dinitro-2-methylphenol	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Bromophenyl phenyl ether	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Chloro-3-methylphenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Chloroaniline	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Chlorophenyl phenyl ether	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Nitroaniline	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
4-Nitrophenol	ND	6800		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Acenaphthene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Acenaphthylene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Anthracene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Benz(a)anthracene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Benzo(a)pyrene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Benzo(b)fluoranthene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Benzo(g,h,i)perylene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Benzo(k)fluoranthene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Bis(2-chloroethoxy)methane	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Bis(2-chloroethyl)ether	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Bis(2-chloroisopropyl)ether	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Bis(2-ethylhexyl)phthalate	200	680	J	µg/Kg-dry	2	9/10/2007 10:40:00 PM
Butyl benzyl phthalate	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Carbazole	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Chrysene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Di-n-butyl phthalate	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Di-n-octyl phthalate	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Dibenz(a,h)anthracene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Dibenzofuran	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Diethyl phthalate	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Dimethyl phthalate	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Fluoranthene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Fluorene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Hexachlorobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Hexachlorobutadiene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Hexachlorocyclopentadiene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-14@5'
Lab Order: U0709117
Collection Date: 9/5/2007 3:00:00 PM
Project: Friendship Foundry
Lab ID: U0709117-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Indeno(1,2,3-cd)pyrene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Isophorone	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
N-Nitrosodi-n-propylamine	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
N-Nitrosodiphenylamine	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Naphthalene	90	680	J	µg/Kg-dry	2	9/10/2007 10:40:00 PM
Nitrobenzene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Pentachlorophenol	ND	1400		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Phenanthrene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Phenol	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM
Pyrene	ND	680		µg/Kg-dry	2	9/10/2007 10:40:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	2	3.1	J	µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,1,2,2-Tetrachloroethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,1,2-Trichloroethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,1-Dichloroethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,1-Dichloroethene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,2-Dichloroethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
1,2-Dichloropropane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
2-Butanone	ND	10		µg/Kg-dry	1	9/17/2007 11:01:00 PM
2-Hexanone	ND	10		µg/Kg-dry	1	9/17/2007 11:01:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Acetone	ND	10		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Benzene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Bromodichloromethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Bromoform	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Bromomethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Carbon disulfide	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Carbon tetrachloride	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Chlorobenzene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Chloroethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Chloroform	4.1	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Chloromethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
cis-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
cis-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Dibromochloromethane	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-14@5'
Lab Order:	U0709117	**Collection Date:**	9/5/2007 3:00:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-007	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
m,p-Xylene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Methylene chloride	13	3.1	B	µg/Kg-dry	1	9/17/2007 11:01:00 PM
o-Xylene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Styrene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Tetrachloroethene	4.0	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Toluene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
trans-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
trans-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Trichloroethene	ND	3.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM
Vinyl chloride	ND	2.1		µg/Kg-dry	1	9/17/2007 11:01:00 PM

NOTES:
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.436	0.103		mg/Kg-dry	1	9/11/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.21		mg/Kg-dry	20	9/6/2007 10:30:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	3.14	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-16@3'
Lab Order: U0709117
Collection Date: 9/6/2007 9:00:00 AM
Project: Friendship Foundry
Lab ID: U0709117-008
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	38		µg/Kg-dry	10	9/18/2007
Aldrin	ND	20		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	20		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	20		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	38		µg/Kg-dry	10	9/18/2007
Endrin	ND	38		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	38		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	38		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	20		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	200		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2000		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	9/11/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	9/11/2007
2,4-D	ND	38		µg/Kg-dry	1	9/11/2007
Dicamba	ND	38		µg/Kg-dry	1	9/11/2007
Dinoseb	ND	38		µg/Kg-dry	1	9/11/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	8300	5.7		mg/Kg-dry	1	9/10/2007 1:34:06 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-16@3'
Lab Order: U0709117
Collection Date: 9/6/2007 9:00:00 AM
Project: Friendship Foundry
Lab ID: U0709117-008
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	34		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Arsenic*	6.9	1.1		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Barium	73	34		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Beryllium	ND	0.57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Cadmium	0.6	0.57	J	mg/Kg-dry	1	9/10/2007 1:34:06 PM
Calcium	31000	57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Chromium	15	5.7		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Cobalt	8.0	5.7		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Copper	28	2.3		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Iron	27000	3.4		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Lead	68	11		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Magnesium	6000	57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Manganese	720	2.3		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Nickel	20	3.4		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Potassium	1000	57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Selenium*	5.4	0.57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Silver	ND	5.7		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Sodium	ND	57		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Thallium*	ND	0.34		mg/Kg-dry	1	9/10/2007 1:34:06 PM
Vanadium	10	34	J	mg/Kg-dry	1	9/10/2007 1:34:06 PM
Zinc	190	1.1		mg/Kg-dry	1	9/10/2007 1:34:06 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	ND	0.229		mg/Kg-dry	1	9/11/2007 1:09:40 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-16@3'
Lab Order: U0709117
Collection Date: 9/6/2007 9:00:00 AM
Project: Friendship Foundry
Lab ID: U0709117-008
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Benz(a)anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Bis(2-ethylhexyl)phthalate	2000	3800	J	µg/Kg-dry	10	9/10/2007 11:23:00 PM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Chrysene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Fluoranthene	500	3800	J	µg/Kg-dry	10	9/10/2007 11:23:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-16@3'
Lab Order: U0709117
Collection Date: 9/6/2007 9:00:00 AM
Project: Friendship Foundry
Lab ID: U0709117-008
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Naphthalene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Pentachlorophenol	ND	7700		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Phenanthrene	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Phenol	ND	3800		µg/Kg-dry	10	9/10/2007 11:23:00 PM
Pyrene	600	3800	J	µg/Kg-dry	10	9/10/2007 11:23:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,1,2,2-Tetrachloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,1,2-Trichloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,1-Dichloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,1-Dichloroethene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,2-Dichloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
1,2-Dichloropropane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
2-Butanone	ND	11		µg/Kg-dry	1	9/17/2007 11:50:00 PM
2-Hexanone	ND	11		µg/Kg-dry	1	9/17/2007 11:50:00 PM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Acetone	ND	11		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Benzene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Bromodichloromethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Bromoform	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Bromomethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Carbon disulfide	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Carbon tetrachloride	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Chlorobenzene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Chloroethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Chloroform	4.5	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Chloromethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
cis-1,2-Dichloroethene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
cis-1,3-Dichloropropene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Dibromochloromethane	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-16@3'
Lab Order:	U0709117	**Collection Date:**	9/6/2007 9:00:00 AM
Project:	Friendship Foundry		
Lab ID:	U0709117-008	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
m,p-Xylene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Methylene chloride	11	3.4	B	µg/Kg-dry	1	9/17/2007 11:50:00 PM
o-Xylene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Styrene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Tetrachloroethene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Toluene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
trans-1,2-Dichloroethene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
trans-1,3-Dichloropropene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Trichloroethene	ND	3.4		µg/Kg-dry	1	9/17/2007 11:50:00 PM
Vinyl chloride	ND	2.3		µg/Kg-dry	1	9/17/2007 11:50:00 PM
NOTES: Methylene chloride is a common laboratory solvent.						
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.429	0.115		mg/Kg-dry	1	9/11/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.23		mg/Kg-dry	1	9/7/2007 12:00:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.8	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-17A@3'
Lab Order:	U0709117	**Collection Date:**	9/6/2007 9:30:00 AM
Project:	Friendship Foundry		
Lab ID:	U0709117-009	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.088		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.088		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	6800	5.3		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Antimony	ND	32		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Arsenic*	3.4	1.1		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Barium	72	32		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Beryllium	ND	0.53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Cadmium	0.96	0.53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Calcium	4700	53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Chromium	25	5.3		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Cobalt	ND	5.3		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Copper	120	2.1		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Iron	25000	3.2		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Lead	91	11		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Magnesium	1500	53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Manganese	310	2.1		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Nickel	27	3.2		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Potassium	630	53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Selenium*	7.0	0.53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Silver	ND	5.3		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Sodium	170	53		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Thallium*	ND	0.32		mg/Kg-dry	1	9/10/2007 1:37:54 PM
Vanadium	10	32	J	mg/Kg-dry	1	9/10/2007 1:37:54 PM
Zinc	1000	1.1		mg/Kg-dry	1	9/10/2007 1:37:54 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.033	0.213	J	mg/Kg-dry	1	9/11/2007 1:10:39 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	6.19	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-20@3'
Lab Order: U0709117
Collection Date: 9/6/2007 11:15:00 AM
Project: Friendship Foundry
Lab ID: U0709117-010
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	8800	5.4		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Antimony	ND	33		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Arsenic*	2.9	1.1		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Barium	20	33	J	mg/Kg-dry	1	9/10/2007 1:41:24 PM
Beryllium	ND	0.54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Cadmium	ND	0.54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Calcium	750	54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Chromium	13	5.4		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Cobalt	ND	5.4		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Copper	16	2.2		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Iron	9300	3.3		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Lead	21	11		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Magnesium	350	54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Manganese	74	2.2		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Nickel	11	3.3		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Potassium	370	54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Selenium*	3.9	0.54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Silver	ND	5.4		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Sodium	ND	54		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Thallium*	ND	0.33		mg/Kg-dry	1	9/10/2007 1:41:24 PM
Vanadium	10	33	J	mg/Kg-dry	1	9/10/2007 1:41:24 PM
Zinc	180	1.1		mg/Kg-dry	1	9/10/2007 1:41:24 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	ND	0.217		mg/Kg-dry	1	9/11/2007 1:11:44 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	7.98	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-24@4'
Lab Order:	U0709117	**Collection Date:**	9/6/2007 12:30:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-011	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.10		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	12000	6.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Antimony	ND	37		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Arsenic*	13	1.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Barium	94	37		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Beryllium	0.62	0.62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Cadmium	ND	0.62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Calcium	1300	62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Chromium	11	6.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Cobalt	10	6.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Copper	12	2.5		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Iron	25000	3.7		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Lead	20	12		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Magnesium	2600	62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Manganese	300	2.5		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Nickel	19	3.7		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Potassium	1300	62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Selenium*	6.6	0.62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Silver	ND	6.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Sodium	ND	62		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Thallium*	ND	0.37		mg/Kg-dry	1	9/10/2007 1:45:10 PM
Vanadium	20	37	J	mg/Kg-dry	1	9/10/2007 1:45:10 PM
Zinc	82	1.2		mg/Kg-dry	1	9/10/2007 1:45:10 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	ND	0.246		mg/Kg-dry	1	9/11/2007 1:12:56 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	18.9	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-25@2'
Lab Order: U0709117
Collection Date: 9/6/2007 1:30:00 PM
Project: Friendship Foundry
Lab ID: U0709117-012
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	40		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	40		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	40		µg/Kg-dry	10	9/18/2007
Aldrin	ND	21		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	21		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	21		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	21		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	21		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	40		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	21		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	40		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	40		µg/Kg-dry	10	9/18/2007
Endrin	ND	40		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	40		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	40		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	21		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	21		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	21		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	21		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	210		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2100		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	40		µg/Kg-dry	1	9/11/2007
2,4,5-TP (Silvex)	ND	40		µg/Kg-dry	1	9/11/2007
2,4-D	ND	40		µg/Kg-dry	1	9/11/2007
Dicamba	ND	40		µg/Kg-dry	1	9/11/2007
Dinoseb	ND	40		µg/Kg-dry	1	9/11/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	5400	6.0		mg/Kg-dry	1	9/10/2007 1:48:53 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-25@2'
Lab Order: U0709117
Collection Date: 9/6/2007 1:30:00 PM
Project: Friendship Foundry
Lab ID: U0709117-012
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	36		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Arsenic*	10	1.2		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Barium	100	36		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Beryllium	0.78	0.60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Cadmium	ND	0.60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Calcium	25000	60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Chromium	11	6.0		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Cobalt	7.3	6.0		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Copper	42	2.4		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Iron	27000	3.6		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Lead	37	12		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Magnesium	1200	60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Manganese	240	2.4		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Nickel	19	3.6		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Potassium	650	60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Selenium*	3.6	0.60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Silver	ND	6.0		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Sodium	ND	60		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/10/2007 1:48:53 PM
Vanadium	20	36	J	mg/Kg-dry	1	9/10/2007 1:48:53 PM
Zinc	70	1.2		mg/Kg-dry	1	9/10/2007 1:48:53 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.00080	0.241	J	mg/Kg-dry	1	9/11/2007 1:13:59 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
1,2,4-Trichlorobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
1,2-Dichlorobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
1,3-Dichlorobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
1,4-Dichlorobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4,5-Trichlorophenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4,6-Trichlorophenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4-Dichlorophenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4-Dimethylphenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4-Dinitrophenol	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,4-Dinitrotoluene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2,6-Dinitrotoluene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2-Chloronaphthalene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2-Chlorophenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-25@2'
Lab Order: U0709117
Collection Date: 9/6/2007 1:30:00 PM
Project: Friendship Foundry
Lab ID: U0709117-012
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	500	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM
2-Methylphenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2-Nitroaniline	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
2-Nitrophenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
3,3´-Dichlorobenzidine	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
3-Nitroaniline	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4,6-Dinitro-2-methylphenol	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Bromophenyl phenyl ether	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Chloro-3-methylphenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Chloroaniline	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Chlorophenyl phenyl ether	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Nitroaniline	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
4-Nitrophenol	ND	40000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Acenaphthene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Acenaphthylene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Anthracene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Benz(a)anthracene	700	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM
Benzo(a)pyrene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Benzo(b)fluoranthene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Benzo(g,h,i)perylene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Benzo(k)fluoranthene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Bis(2-chloroethoxy)methane	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Bis(2-chloroethyl)ether	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Bis(2-chloroisopropyl)ether	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Bis(2-ethylhexyl)phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Butyl benzyl phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Carbazole	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Chrysene	700	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM
Di-n-butyl phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Di-n-octyl phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Dibenz(a,h)anthracene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Dibenzofuran	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Diethyl phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Dimethyl phthalate	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Fluoranthene	800	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM
Fluorene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Hexachlorobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Hexachlorobutadiene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Hexachlorocyclopentadiene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

CLIENT: NYSDEC - Region 9 **Client Sample ID:** TP-25@2'
Lab Order: U0709117 **Collection Date:** 9/6/2007 1:30:00 PM
Project: Friendship Foundry
Lab ID: U0709117-012 **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Indeno(1,2,3-cd)pyrene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Isophorone	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
N-Nitrosodi-n-propylamine	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
N-Nitrosodiphenylamine	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Naphthalene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Nitrobenzene	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Pentachlorophenol	ND	8100		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Phenanthrene	1000	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM
Phenol	ND	4000		µg/Kg-dry	10	9/11/2007 12:07:00 AM
Pyrene	1000	4000	J	µg/Kg-dry	10	9/11/2007 12:07:00 AM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,1,2,2-Tetrachloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,1,2-Trichloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,1-Dichloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,1-Dichloroethene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,2-Dichloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
1,2-Dichloropropane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
2-Butanone	ND	60		µg/Kg-dry	5	9/18/2007 12:39:00 AM
2-Hexanone	ND	60		µg/Kg-dry	5	9/18/2007 12:39:00 AM
4-Methyl-2-pentanone	ND	60		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Acetone	310	60		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Benzene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Bromodichloromethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Bromoform	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Bromomethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Carbon disulfide	7	18	J	µg/Kg-dry	5	9/18/2007 12:39:00 AM
Carbon tetrachloride	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Chlorobenzene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Chloroethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Chloroform	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Chloromethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
cis-1,2-Dichloroethene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
cis-1,3-Dichloropropene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Dibromochloromethane	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-25@2'
Lab Order:	U0709117	**Collection Date:**	9/6/2007 1:30:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-012	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
m,p-Xylene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Methylene chloride	42	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
o-Xylene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Styrene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Tetrachloroethene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Toluene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
trans-1,2-Dichloroethene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
trans-1,3-Dichloropropene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Trichloroethene	ND	18		µg/Kg-dry	5	9/18/2007 12:39:00 AM
Vinyl chloride	ND	12		µg/Kg-dry	5	9/18/2007 12:39:00 AM

NOTES:
The reporting limits were raised due to the high concentration of non-target compounds.
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**	**(E420.1)**			Analyst: **MB**
Phenolics, Total Recoverable	0.220	0.121		mg/Kg-dry	1	9/11/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.24		mg/Kg-dry	1	9/7/2007 12:00:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.1	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-28@3'
Lab Order: U0709117
Collection Date: 9/6/2007 1:45:00 PM
Project: Friendship Foundry
Lab ID: U0709117-013
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.093		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.093		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	11000	5.6		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Antimony	ND	34		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Arsenic*	15	1.1		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Barium	86	34		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Beryllium	ND	0.56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Cadmium	ND	0.56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Calcium	920	56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Chromium	10	5.6		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Cobalt	11	5.6		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Copper	20	2.2		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Iron	24000	3.4		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Lead	22	11		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Magnesium	2600	56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Manganese	1000	2.2		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Nickel	24	3.4		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Potassium	1200	56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Selenium*	9.7	0.56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Silver	ND	5.6		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Sodium	ND	56		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Thallium*	ND	0.34		mg/Kg-dry	1	9/10/2007 2:00:06 PM
Vanadium	10	34	J	mg/Kg-dry	1	9/10/2007 2:00:06 PM
Zinc	69	1.1		mg/Kg-dry	1	9/10/2007 2:00:06 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.021	0.224	J	mg/Kg-dry	1	9/11/2007 1:15:20 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	10.8	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-26@1.5'
Lab Order: U0709117
Collection Date: 9/6/2007 2:00:00 PM
Project: Friendship Foundry
Lab ID: U0709117-014
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	8000	5.7		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Antimony	ND	34		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Arsenic*	3.1	1.1		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Barium	42	34		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Beryllium	ND	0.57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Cadmium	0.5	0.57	J	mg/Kg-dry	1	9/10/2007 2:03:51 PM
Calcium	2300	57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Chromium	15	5.7		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Cobalt	ND	5.7		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Copper	20	2.3		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Iron	31000	3.4		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Lead	41	11		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Magnesium	740	57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Manganese	420	2.3		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Nickel	8.7	3.4		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Potassium	580	57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Selenium*	7.0	0.57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Silver	ND	5.7		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Sodium	ND	57		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Thallium*	ND	0.34		mg/Kg-dry	1	9/10/2007 2:03:51 PM
Vanadium	20	34	J	mg/Kg-dry	1	9/10/2007 2:03:51 PM
Zinc	110	1.1		mg/Kg-dry	1	9/10/2007 2:03:51 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.049	0.227	J	mg/Kg-dry	1	9/11/2007 1:16:32 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	11.9	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-30@4.5'
Lab Order:	U0709117	**Collection Date:**	9/6/2007 3:00:00 PM
Project:	Friendship Foundry		
Lab ID:	U0709117-015	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.11		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.11		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	5500	6.5		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Antimony	ND	39		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Arsenic*	5.6	1.3		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Barium	83	39		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Beryllium	ND	0.65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Cadmium	1.8	0.65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Calcium	2600	65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Chromium	140	6.5		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Cobalt	6.9	6.5		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Copper	100	2.6		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Iron	87000	19		mg/Kg-dry	5	9/10/2007 2:11:16 PM
Lead	130	13		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Magnesium	1900	65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Manganese	580	2.6		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Nickel	64	3.9		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Potassium	640	65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Selenium*	12	0.65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Silver	ND	6.5		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Sodium	76	65		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Thallium*	ND	0.39		mg/Kg-dry	1	9/10/2007 2:07:42 PM
Vanadium	10	39	J	mg/Kg-dry	1	9/10/2007 2:07:42 PM
Zinc	1800	1.3		mg/Kg-dry	1	9/10/2007 2:07:42 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.17	0.260	J	mg/Kg-dry	1	9/11/2007 1:17:42 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	23.0	0.00100		wt%	1	9/10/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-42@ 2'
Lab Order: U0709166
Collection Date: 9/10/2007 10:15:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	7400	5.7		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Antimony	ND	34		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Arsenic*	10	1.1		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Barium	87	34		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Beryllium	ND	0.57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Cadmium	0.89	0.57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Calcium	4600	57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Chromium	9.5	5.7		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Cobalt	6.6	5.7		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Copper	30	2.3		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Iron	19000	3.4		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Lead	88	11		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Magnesium	2300	57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Manganese	410	2.3		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Nickel	14	3.4		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Potassium	1000	57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Selenium*	5.0	0.57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Silver	ND	5.7		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Sodium	ND	57		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Thallium*	ND	0.34		mg/Kg-dry	1	9/17/2007 1:35:01 PM
Vanadium	10	34	J	mg/Kg-dry	1	9/17/2007 1:35:01 PM
Zinc	140	1.1		mg/Kg-dry	1	9/17/2007 1:35:01 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.041	0.228	J	mg/Kg-dry	1	9/20/2007 1:09:56 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.3	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-46@ 4'
Lab Order: U0709166
Collection Date: 9/10/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	3200	6.1		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Antimony	ND	36		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Arsenic*	3.6	1.2		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Barium	200	36		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Beryllium	1.1	0.61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Cadmium	2.1	0.61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Calcium	1500	61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Chromium	6.3	6.1		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Cobalt	6	6.1	J	mg/Kg-dry	1	9/17/2007 1:51:28 PM
Copper	32	2.4		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Iron	98000	91		mg/Kg-dry	25	9/17/2007 3:02:48 PM
Lead	12	12		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Magnesium	200	61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Manganese	74	2.4		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Nickel	7.3	3.6		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Potassium	600	61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Selenium*	12	0.61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Silver	ND	6.1		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Sodium	ND	61		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/17/2007 1:51:28 PM
Vanadium	20	36	J	mg/Kg-dry	1	9/17/2007 1:51:28 PM
Vanadium	ND	910		mg/Kg-dry	25	9/17/2007 3:02:48 PM
Zinc	11	1.2		mg/Kg-dry	1	9/17/2007 1:51:28 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.028	0.242	J	mg/Kg-dry	1	9/20/2007 1:16:04 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.5	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-47@ 5'
Lab Order: U0709166
Collection Date: 9/10/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	40		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	40		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	40		µg/Kg-dry	10	9/18/2007
Aldrin	ND	21		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	21		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	21		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	21		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	21		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	21		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	40		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	21		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	40		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	40		µg/Kg-dry	10	9/18/2007
Endrin	ND	40		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	40		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	40		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	21		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	21		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	21		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	21		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	210		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2100		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	40		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	40		µg/Kg-dry	1	9/20/2007
2,4-D	ND	40		µg/Kg-dry	1	9/20/2007
Dicamba	ND	40		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	40		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	4100	6.1		mg/Kg-dry	1	9/17/2007 2:02:39 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-47@ 5'
Lab Order: U0709166
Collection Date: 9/10/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	36		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Arsenic*	9.3	1.2		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Barium	53	36		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Beryllium	0.86	0.61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Cadmium	0.66	0.61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Calcium	2000	61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Chromium	6.2	6.1		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Cobalt	7.9	6.1		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Copper	24	2.4		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Iron	23000	3.6		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Lead	10	12	J	mg/Kg-dry	1	9/17/2007 2:02:39 PM
Magnesium	1000	61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Manganese	200	2.4		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Nickel	14	3.6		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Potassium	500	61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Selenium*	4.2	0.61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Silver	2	6.1	J	mg/Kg-dry	1	9/17/2007 2:02:39 PM
Sodium	ND	61		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/17/2007 2:02:39 PM
Vanadium	10	36	J	mg/Kg-dry	1	9/17/2007 2:02:39 PM
Zinc	45	1.2		mg/Kg-dry	1	9/17/2007 2:02:39 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.030	0.242	J	mg/Kg-dry	1	9/20/2007 1:17:08 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
1,2,4-Trichlorobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
1,2-Dichlorobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
1,3-Dichlorobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
1,4-Dichlorobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4,5-Trichlorophenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4,6-Trichlorophenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4-Dichlorophenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4-Dimethylphenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4-Dinitrophenol	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,4-Dinitrotoluene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2,6-Dinitrotoluene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2-Chloronaphthalene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2-Chlorophenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-47@ 5'
Lab Order: U0709166
Collection Date: 9/10/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	60	400	J	µg/Kg-dry	1	9/20/2007 10:44:00 PM
2-Methylphenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2-Nitroaniline	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
2-Nitrophenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
3,3´-Dichlorobenzidine	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
3-Nitroaniline	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4,6-Dinitro-2-methylphenol	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Bromophenyl phenyl ether	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Chloro-3-methylphenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Chloroaniline	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Chlorophenyl phenyl ether	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Nitroaniline	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
4-Nitrophenol	ND	4000		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Acenaphthene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Acenaphthylene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Anthracene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Benz(a)anthracene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Benzo(a)pyrene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Benzo(b)fluoranthene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Benzo(g,h,i)perylene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Benzo(k)fluoranthene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Bis(2-chloroethoxy)methane	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Bis(2-chloroethyl)ether	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Bis(2-chloroisopropyl)ether	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Bis(2-ethylhexyl)phthalate	300	400	J	µg/Kg-dry	1	9/20/2007 10:44:00 PM
Butyl benzyl phthalate	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Carbazole	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Chrysene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Di-n-butyl phthalate	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Di-n-octyl phthalate	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Dibenz(a,h)anthracene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Dibenzofuran	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Diethyl phthalate	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Dimethyl phthalate	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Fluoranthene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Fluorene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Hexachlorobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Hexachlorobutadiene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Hexachlorocyclopentadiene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-47@ 5'
Lab Order: U0709166
Collection Date: 9/10/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Indeno(1,2,3-cd)pyrene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Isophorone	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
N-Nitrosodi-n-propylamine	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
N-Nitrosodiphenylamine	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Naphthalene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Nitrobenzene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Pentachlorophenol	ND	810		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Phenanthrene	80	400	J	µg/Kg-dry	1	9/20/2007 10:44:00 PM
Phenol	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
Pyrene	ND	400		µg/Kg-dry	1	9/20/2007 10:44:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,1,2,2-Tetrachloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,1,2-Trichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,1-Dichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,1-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,2-Dichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
1,2-Dichloropropane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
2-Butanone	ND	12		µg/Kg-dry	1	9/18/2007 1:28:00 AM
2-Hexanone	ND	12		µg/Kg-dry	1	9/18/2007 1:28:00 AM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Acetone	ND	12		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Benzene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Bromodichloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Bromoform	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Bromomethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Carbon disulfide	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Carbon tetrachloride	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Chlorobenzene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Chloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Chloroform	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Chloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
cis-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
cis-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Dibromochloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Ethylbenzene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
m,p-Xylene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-47@ 5'
Lab Order:	U0709166	**Collection Date:**	9/10/2007 12:00:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-003	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Methylene chloride	11	3.6	B	µg/Kg-dry	1	9/18/2007 1:28:00 AM
o-Xylene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Styrene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Tetrachloroethene	1	3.6	J	µg/Kg-dry	1	9/18/2007 1:28:00 AM
Toluene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
trans-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
trans-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Trichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 1:28:00 AM
Vinyl chloride	ND	2.4		µg/Kg-dry	1	9/18/2007 1:28:00 AM

NOTES:
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.238	0.121		mg/Kg-dry	1	9/18/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.24		mg/Kg-dry	1	9/11/2007 11:00:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.5	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-49@ 3'
Lab Order: U0709166
Collection Date: 9/10/2007 1:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	4400	5.5		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Antimony	ND	33		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Arsenic*	2.9	1.1		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Barium	42	33		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Beryllium	ND	0.55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Cadmium	1.9	0.55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Calcium	12000	55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Chromium	47	5.5		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Cobalt	6.7	5.5		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Copper	73	2.2		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Iron	74000	83		mg/Kg-dry	25	9/17/2007 3:06:29 PM
Lead	75	11		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Magnesium	840	55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Manganese	980	2.2		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Nickel	29	3.3		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Potassium	560	55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Selenium*	9.5	0.55	B	mg/Kg-dry	1	9/17/2007 2:06:14 PM
Silver	ND	5.5		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Sodium	ND	55		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Thallium*	ND	0.33		mg/Kg-dry	1	9/17/2007 2:06:14 PM
Vanadium	10	33	J	mg/Kg-dry	1	9/17/2007 2:06:14 PM
Zinc	210	1.1		mg/Kg-dry	1	9/17/2007 2:06:14 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.039	0.221	J	mg/Kg-dry	1	9/20/2007 1:18:19 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	9.64	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-44@ 3'
Lab Order: U0709166
Collection Date: 9/10/2007 1:15:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-005
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	38		µg/Kg-dry	10	9/18/2007
Aldrin	ND	20		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	20		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	20		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	38		µg/Kg-dry	10	9/18/2007
Endrin	ND	38		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	38		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	38		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	20		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	200		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2000		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	9/20/2007
2,4-D	ND	38		µg/Kg-dry	1	9/20/2007
Dicamba	ND	38		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	38		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	7700	5.8		mg/Kg-dry	1	9/17/2007 2:10:12 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-44@ 3'
Lab Order: U0709166
Collection Date: 9/10/2007 1:15:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-005
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	35		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Arsenic*	9.3	1.2		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Barium	190	35		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Beryllium	ND	0.58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Cadmium	1.2	0.58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Calcium	36000	58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Chromium	13	5.8		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Cobalt	6.7	5.8		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Copper	41	2.3		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Iron	20000	3.5		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Lead	180	12		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Magnesium	5000	58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Manganese	530	2.3		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Nickel	15	3.5		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Potassium	1300	58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Selenium*	4.2	0.58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Silver	ND	5.8		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Sodium	ND	58		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Thallium*	ND	0.35		mg/Kg-dry	1	9/17/2007 2:10:12 PM
Vanadium	10	35	J	mg/Kg-dry	1	9/17/2007 2:10:12 PM
Zinc	430	1.2		mg/Kg-dry	1	9/17/2007 2:10:12 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.078	0.231	J	mg/Kg-dry	1	9/20/2007 1:19:38 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-44@ 3'
Lab Order: U0709166
Collection Date: 9/10/2007 1:15:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-005
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	1000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Acenaphthene	500	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Benz(a)anthracene	3000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Benzo(a)pyrene	3000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Benzo(b)fluoranthene	3000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Benzo(k)fluoranthene	900	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Bis(2-ethylhexyl)phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Chrysene	3000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Fluoranthene	4800	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Fluorene	1000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-44@ 3'
Lab Order: U0709166
Collection Date: 9/10/2007 1:15:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-005
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Naphthalene	2000	3800	J	µg/Kg-dry	10	9/20/2007 11:27:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Pentachlorophenol	ND	7700		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Phenanthrene	5900	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Phenol	ND	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM
Pyrene	6400	3800		µg/Kg-dry	10	9/20/2007 11:27:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,1,2,2-Tetrachloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,1,2-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,1-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,1-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,2-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
1,2-Dichloropropane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
2-Butanone	ND	12		µg/Kg-dry	1	9/18/2007 2:17:00 AM
2-Hexanone	ND	12		µg/Kg-dry	1	9/18/2007 2:17:00 AM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Acetone	ND	12		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Benzene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Bromodichloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Bromoform	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Bromomethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Carbon disulfide	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Carbon tetrachloride	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Chlorobenzene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Chloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Chloroform	2	3.5	J	µg/Kg-dry	1	9/18/2007 2:17:00 AM
Chloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
cis-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
cis-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Dibromochloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-44@ 3'
Lab Order:	U0709166	**Collection Date:**	9/10/2007 1:15:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
m,p-Xylene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Methylene chloride	5.6	3.5	B	µg/Kg-dry	1	9/18/2007 2:17:00 AM
o-Xylene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Styrene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Tetrachloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Toluene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
trans-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
trans-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Trichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 2:17:00 AM
Vinyl chloride	ND	2.3		µg/Kg-dry	1	9/18/2007 2:17:00 AM

NOTES:
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.115		mg/Kg-dry	1	9/18/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.23		mg/Kg-dry	1	9/11/2007 11:00:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	13.4	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-6,11,16 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	38		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	38		µg/Kg-dry	10	9/18/2007
Aldrin	ND	20		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	20		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	20		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	38		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	38		µg/Kg-dry	10	9/18/2007
Endrin	ND	38		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	38		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	38		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	20		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	200		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2000		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	9/20/2007
2,4-D	ND	38		µg/Kg-dry	1	9/20/2007
Dicamba	ND	38		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	38		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	7200	5.8		mg/Kg-dry	1	9/17/2007 2:14:12 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-6,11,16 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	35		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Arsenic*	7.9	1.2		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Barium	75	35		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Beryllium	ND	0.58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Cadmium	2.0	0.58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Calcium	28000	58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Chromium	21	5.8		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Cobalt	7.8	5.8		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Copper	44	2.3		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Iron	29000	3.5		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Lead	160	12		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Magnesium	7900	58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Manganese	850	2.3		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Nickel	28	3.5		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Potassium	1200	58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Selenium*	5.9	0.58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Silver	ND	5.8		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Sodium	ND	58		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Thallium*	ND	0.35		mg/Kg-dry	1	9/17/2007 2:14:12 PM
Vanadium	10	35	J	mg/Kg-dry	1	9/17/2007 2:14:12 PM
Zinc	190	1.2		mg/Kg-dry	1	9/17/2007 2:14:12 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.082	0.233	J	mg/Kg-dry	1	9/20/2007 1:20:41 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
1,2,4-Trichlorobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
1,2-Dichlorobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
1,3-Dichlorobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
1,4-Dichlorobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4,5-Trichlorophenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4,6-Trichlorophenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4-Dichlorophenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4-Dimethylphenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4-Dinitrophenol	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,4-Dinitrotoluene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2,6-Dinitrotoluene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2-Chloronaphthalene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2-Chlorophenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-6,11,16 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2-Methylphenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2-Nitroaniline	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
2-Nitrophenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
3,3´-Dichlorobenzidine	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
3-Nitroaniline	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4,6-Dinitro-2-methylphenol	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Bromophenyl phenyl ether	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Chloro-3-methylphenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Chloroaniline	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Chlorophenyl phenyl ether	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Nitroaniline	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
4-Nitrophenol	ND	3800		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Acenaphthene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Acenaphthylene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Anthracene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Benz(a)anthracene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Benzo(a)pyrene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Benzo(b)fluoranthene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Benzo(g,h,i)perylene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Benzo(k)fluoranthene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Bis(2-chloroethoxy)methane	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Bis(2-chloroethyl)ether	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Bis(2-chloroisopropyl)ether	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Bis(2-ethylhexyl)phthalate	100	380	J	µg/Kg-dry	1	9/21/2007 12:11:00 AM
Butyl benzyl phthalate	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Carbazole	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Chrysene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Di-n-butyl phthalate	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Di-n-octyl phthalate	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Dibenz(a,h)anthracene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Dibenzofuran	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Diethyl phthalate	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Dimethyl phthalate	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Fluoranthene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Fluorene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Hexachlorobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Hexachlorobutadiene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Hexachlorocyclopentadiene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-6,11,16 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Indeno(1,2,3-cd)pyrene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Isophorone	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
N-Nitrosodi-n-propylamine	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
N-Nitrosodiphenylamine	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Naphthalene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Nitrobenzene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Pentachlorophenol	ND	780		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Phenanthrene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Phenol	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
Pyrene	ND	380		µg/Kg-dry	1	9/21/2007 12:11:00 AM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,1,2,2-Tetrachloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,1,2-Trichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,1-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,1-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,2-Dichloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
1,2-Dichloropropane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
2-Butanone	ND	12		µg/Kg-dry	1	9/18/2007 3:07:00 AM
2-Hexanone	ND	12		µg/Kg-dry	1	9/18/2007 3:07:00 AM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Acetone	ND	12		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Benzene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Bromodichloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Bromoform	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Bromomethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Carbon disulfide	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Carbon tetrachloride	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Chlorobenzene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Chloroethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Chloroform	2	3.5	J	µg/Kg-dry	1	9/18/2007 3:07:00 AM
Chloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
cis-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
cis-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Dibromochloromethane	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Ethylbenzene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
m,p-Xylene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-6,11,16 Comp
Lab Order:	U0709166	**Collection Date:**	9/10/2007 1:30:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-006	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Methylene chloride	5.3	3.5	B	µg/Kg-dry	1	9/18/2007 3:07:00 AM
o-Xylene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Styrene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Tetrachloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Toluene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
trans-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
trans-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Trichloroethene	ND	3.5		µg/Kg-dry	1	9/18/2007 3:07:00 AM
Vinyl chloride	ND	2.3		µg/Kg-dry	1	9/18/2007 3:07:00 AM
NOTES: Methylene chloride is a common laboratory solvent.						
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.181	0.116		mg/Kg-dry	1	9/18/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.23		mg/Kg-dry	1	9/11/2007 11:00:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	14.1	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-49,46,42 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	39		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	39		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	39		µg/Kg-dry	10	9/18/2007
Aldrin	ND	20		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	20		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	20		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	39		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	20		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	39		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	39		µg/Kg-dry	10	9/18/2007
Endrin	ND	39		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	39		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	39		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	20		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	20		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	200		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2000		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	39		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	39		µg/Kg-dry	1	9/20/2007
2,4-D	ND	39		µg/Kg-dry	1	9/20/2007
Dicamba	ND	39		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	39		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	10000	5.9		mg/Kg-dry	1	9/17/2007 2:18:13 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-49,46,42 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	36		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Arsenic*	11	1.2		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Barium	92	36		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Beryllium	0.68	0.59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Cadmium	0.80	0.59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Calcium	15000	59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Chromium	12	5.9		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Cobalt	8.9	5.9		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Copper	21	2.4		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Iron	21000	3.6		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Lead	48	12		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Magnesium	4500	59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Manganese	640	2.4		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Nickel	17	3.6		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Potassium	1200	59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Selenium*	4.7	0.59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Silver	ND	5.9		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Sodium	ND	59		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/17/2007 2:18:13 PM
Vanadium	10	36	J	mg/Kg-dry	1	9/17/2007 2:18:13 PM
Zinc	110	1.2		mg/Kg-dry	1	9/17/2007 2:18:13 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.046	0.237	J	mg/Kg-dry	1	9/20/2007 1:22:34 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
1,2,4-Trichlorobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
1,2-Dichlorobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
1,3-Dichlorobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
1,4-Dichlorobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4,5-Trichlorophenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4,6-Trichlorophenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4-Dichlorophenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4-Dimethylphenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4-Dinitrophenol	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,4-Dinitrotoluene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2,6-Dinitrotoluene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2-Chloronaphthalene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2-Chlorophenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-49,46,42 Comp
Lab Order: U0709166
Collection Date: 9/10/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2-Methylphenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2-Nitroaniline	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
2-Nitrophenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
3,3´-Dichlorobenzidine	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
3-Nitroaniline	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4,6-Dinitro-2-methylphenol	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Bromophenyl phenyl ether	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Chloro-3-methylphenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Chloroaniline	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Chlorophenyl phenyl ether	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Nitroaniline	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
4-Nitrophenol	ND	39000		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Acenaphthene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Acenaphthylene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Anthracene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Benz(a)anthracene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Benzo(a)pyrene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Benzo(b)fluoranthene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Benzo(g,h,i)perylene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Benzo(k)fluoranthene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Bis(2-chloroethoxy)methane	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Bis(2-chloroethyl)ether	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Bis(2-chloroisopropyl)ether	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Bis(2-ethylhexyl)phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Butyl benzyl phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Carbazole	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Chrysene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Di-n-butyl phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Di-n-octyl phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Dibenz(a,h)anthracene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Dibenzofuran	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Diethyl phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Dimethyl phthalate	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Fluoranthene	1000	3900	J	µg/Kg-dry	10	9/21/2007 12:54:00 AM
Fluorene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Hexachlorobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Hexachlorobutadiene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Hexachlorocyclopentadiene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

CLIENT: NYSDEC - Region 9 **Client Sample ID:** TP-49,46,42 Comp
Lab Order: U0709166 **Collection Date:** 9/10/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-007 **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Indeno(1,2,3-cd)pyrene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Isophorone	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
N-Nitrosodi-n-propylamine	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
N-Nitrosodiphenylamine	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Naphthalene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Nitrobenzene	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Pentachlorophenol	ND	7900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Phenanthrene	1000	3900	J	µg/Kg-dry	10	9/21/2007 12:54:00 AM
Phenol	ND	3900		µg/Kg-dry	10	9/21/2007 12:54:00 AM
Pyrene	2000	3900	J	µg/Kg-dry	10	9/21/2007 12:54:00 AM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,1,2,2-Tetrachloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,1,2-Trichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,1-Dichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,1-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,2-Dichloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
1,2-Dichloropropane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
2-Butanone	ND	12		µg/Kg-dry	1	9/18/2007 3:56:00 AM
2-Hexanone	ND	12		µg/Kg-dry	1	9/18/2007 3:56:00 AM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Acetone	ND	12		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Benzene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Bromodichloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Bromoform	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Bromomethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Carbon disulfide	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Carbon tetrachloride	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Chlorobenzene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Chloroethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Chloroform	2	3.6	J	µg/Kg-dry	1	9/18/2007 3:56:00 AM
Chloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
cis-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
cis-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Dibromochloromethane	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-49,46,42 Comp
Lab Order:	U0709166	**Collection Date:**	9/10/2007 2:00:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-007	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
Ethylbenzene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
m,p-Xylene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Methylene chloride	5.5	3.6	B	µg/Kg-dry	1	9/18/2007 3:56:00 AM
o-Xylene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Styrene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Tetrachloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Toluene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
trans-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
trans-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Trichloroethene	ND	3.6		µg/Kg-dry	1	9/18/2007 3:56:00 AM
Vinyl chloride	ND	2.4		µg/Kg-dry	1	9/18/2007 3:56:00 AM

NOTES:
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**	**(E420.1)**			Analyst: **MB**
Phenolics, Total Recoverable	0.545	0.118		mg/Kg-dry	1	9/18/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.24		mg/Kg-dry	1	9/11/2007 11:00:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	15.6	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-34@ 3'
Lab Order:	U0709166	**Collection Date:**	9/7/2007 10:15:00 AM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-008	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.092		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.092		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9100	5.6		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Antimony	ND	33		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Arsenic*	8.3	1.1		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Barium	45	33		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Beryllium	ND	0.56		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Cadmium	0.5	0.56	J	mg/Kg-dry	1	9/17/2007 2:22:02 PM
Calcium	1100	56		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Chromium	8.2	5.6		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Cobalt	8.1	5.6		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Copper	8.1	2.2		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Iron	16000	3.3		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Lead	21	11		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Magnesium	1600	56		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Manganese	310	2.2		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Nickel	11	3.3		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Potassium	670	56		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Selenium*	5.5	0.56	B	mg/Kg-dry	1	9/17/2007 2:22:02 PM
Silver	ND	5.6		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Sodium	ND	56		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Thallium*	ND	0.33		mg/Kg-dry	1	9/17/2007 2:22:02 PM
Vanadium	10	33	J	mg/Kg-dry	1	9/17/2007 2:22:02 PM
Zinc	49	1.1		mg/Kg-dry	1	9/17/2007 2:22:02 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.057	0.222	J	mg/Kg-dry	1	9/20/2007 1:25:08 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	9.91	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-37@ 1'
Lab Order: U0709166
Collection Date: 9/7/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-009
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MG**
1,1,1-Trichloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,1,2,2-Tetrachloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,1,2-Trichloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,1-Dichloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,1-Dichloroethene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,2-Dichloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
1,2-Dichloropropane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
2-Butanone	ND	11		µg/Kg-dry	1	9/18/2007 4:46:00 AM
2-Hexanone	ND	11		µg/Kg-dry	1	9/18/2007 4:46:00 AM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Acetone	ND	11		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Benzene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Bromodichloromethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Bromoform	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Bromomethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Carbon disulfide	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Carbon tetrachloride	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Chlorobenzene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Chloroethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Chloroform	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Chloromethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
cis-1,2-Dichloroethene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
cis-1,3-Dichloropropene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Dibromochloromethane	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Ethylbenzene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
m,p-Xylene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Methylene chloride	5.4	3.3	B	µg/Kg-dry	1	9/18/2007 4:46:00 AM
o-Xylene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Styrene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Tetrachloroethene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Toluene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
trans-1,2-Dichloroethene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
trans-1,3-Dichloropropene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Trichloroethene	ND	3.3		µg/Kg-dry	1	9/18/2007 4:46:00 AM
Vinyl chloride	ND	2.2		µg/Kg-dry	1	9/18/2007 4:46:00 AM

NOTES:
Methylene chloride is a common laboratory solvent.

PERCENT MOISTURE		**D2216**				Analyst: **KAM**

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-37@ 1'
Lab Order:	U0709166	**Collection Date:**	9/7/2007 11:30:00 AM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-009	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	8.51	0.00100		wt%	1	9/20/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-37 and 39 and 40B Comp
Lab Order: U0709166
Collection Date: 9/7/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-010
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	42		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	42		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	42		µg/Kg-dry	10	9/18/2007
Aldrin	ND	22		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	22		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	22		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	22		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	22		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	22		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	42		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	22		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	42		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	42		µg/Kg-dry	10	9/18/2007
Endrin	ND	42		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	42		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	42		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	22		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	22		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	22		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	22		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	220		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	2200		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	42		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	42		µg/Kg-dry	1	9/20/2007
2,4-D	ND	42		µg/Kg-dry	1	9/20/2007
Dicamba	ND	42		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	42		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9000	6.4		mg/Kg-dry	1	9/17/2007 2:25:48 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-37 and 39 and 40B Comp
Lab Order: U0709166
Collection Date: 9/7/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-010
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	38		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Arsenic*	14	1.3		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Barium	130	38		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Beryllium	ND	0.64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Cadmium	1.0	0.64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Calcium	6400	64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Chromium	8.5	6.4		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Cobalt	7.2	6.4		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Copper	22	2.5		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Iron	19000	3.8		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Lead	92	13		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Magnesium	1500	64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Manganese	620	2.5		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Nickel	10	3.8		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Potassium	530	64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Selenium*	4.6	0.64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Silver	ND	6.4		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Sodium	ND	64		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Thallium*	ND	0.38		mg/Kg-dry	1	9/17/2007 2:25:48 PM
Vanadium	10	38	J	mg/Kg-dry	1	9/17/2007 2:25:48 PM
Zinc	130	1.3		mg/Kg-dry	1	9/17/2007 2:25:48 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.12	0.254	J	mg/Kg-dry	1	9/20/2007 1:27:00 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
1,2,4-Trichlorobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
1,2-Dichlorobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
1,3-Dichlorobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
1,4-Dichlorobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4,5-Trichlorophenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4,6-Trichlorophenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4-Dichlorophenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4-Dimethylphenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4-Dinitrophenol	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,4-Dinitrotoluene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2,6-Dinitrotoluene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2-Chloronaphthalene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2-Chlorophenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-37 and 39 and 40B Comp
Lab Order: U0709166
Collection Date: 9/7/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-010
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2-Methylphenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2-Nitroaniline	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
2-Nitrophenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
3,3´-Dichlorobenzidine	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
3-Nitroaniline	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4,6-Dinitro-2-methylphenol	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Bromophenyl phenyl ether	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Chloro-3-methylphenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Chloroaniline	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Chlorophenyl phenyl ether	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Nitroaniline	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
4-Nitrophenol	ND	4200000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Acenaphthene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Acenaphthylene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Anthracene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Benz(a)anthracene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Benzo(a)pyrene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Benzo(b)fluoranthene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Benzo(g,h,i)perylene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Benzo(k)fluoranthene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Bis(2-chloroethoxy)methane	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Bis(2-chloroethyl)ether	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Bis(2-chloroisopropyl)ether	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Bis(2-ethylhexyl)phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Butyl benzyl phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Carbazole	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Chrysene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Di-n-butyl phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Di-n-octyl phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Dibenz(a,h)anthracene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Dibenzofuran	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Diethyl phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Dimethyl phthalate	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Fluoranthene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Fluorene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Hexachlorobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Hexachlorobutadiene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Hexachlorocyclopentadiene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-37 and 39 and 40B Comp
Lab Order: U0709166
Collection Date: 9/7/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-010
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Indeno(1,2,3-cd)pyrene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Isophorone	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
N-Nitrosodi-n-propylamine	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
N-Nitrosodiphenylamine	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Naphthalene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Nitrobenzene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Pentachlorophenol	ND	850000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Phenanthrene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Phenol	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
Pyrene	ND	420000		µg/Kg-dry	1000	9/21/2007 1:38:00 AM
NOTES: The reporting limits were raised due to matrix interference.						
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.539	0.127		mg/Kg-dry	1	9/18/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	21.4	0.00100		wt%	1	9/13/2007

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-40 @ 3'
Lab Order:	U0709166	**Collection Date:**	9/7/2007 1:00:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-011	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.086		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.086		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	5400	5.2		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Antimony	ND	31		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Arsenic*	8.7	1.0		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Barium	120	31		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Beryllium	ND	0.52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Cadmium	3.6	0.52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Calcium	8000	52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Chromium	24	5.2		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Cobalt	6.7	5.2		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Copper	130	2.1		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Iron	33000	3.1		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Lead	500	10		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Magnesium	1900	52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Manganese	450	2.1		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Nickel	24	3.1		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Potassium	730	52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Selenium*	5.8	0.52	B	mg/Kg-dry	1	9/17/2007 2:29:54 PM
Silver	ND	5.2		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Sodium	ND	52		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Thallium*	ND	0.31		mg/Kg-dry	1	9/17/2007 2:29:54 PM
Vanadium	10	31	J	mg/Kg-dry	1	9/17/2007 2:29:54 PM
Zinc	330	1.0		mg/Kg-dry	1	9/17/2007 2:29:54 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.16	0.208	J	mg/Kg-dry	1	9/20/2007 1:28:21 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	3.90	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-41@ 2'
Lab Order: U0709166
Collection Date: 9/7/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-012
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	6600	5.7		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Antimony	ND	34		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Arsenic*	13	1.1		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Barium	170	34		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Beryllium	0.60	0.57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Cadmium	2.1	0.57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Calcium	4900	57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Chromium	9.9	5.7		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Cobalt	8.2	5.7		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Copper	150	2.3		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Iron	51000	3.4		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Lead	840	11		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Magnesium	1700	57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Manganese	460	2.3		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Nickel	21	3.4		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Potassium	780	57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Selenium*	8.6	0.57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Silver	ND	5.7		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Sodium	ND	57		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Thallium*	ND	0.34		mg/Kg-dry	1	9/17/2007 2:40:48 PM
Vanadium	10	34	J	mg/Kg-dry	1	9/17/2007 2:40:48 PM
Zinc	450	1.1		mg/Kg-dry	1	9/17/2007 2:40:48 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.12	0.228	J	mg/Kg-dry	1	9/20/2007 1:29:34 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.3	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-31,32,and 38
Lab Order: U0709166
Collection Date: 9/7/2007 2:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-013
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	35		µg/Kg-dry	10	9/18/2007
4,4´-DDE	ND	35		µg/Kg-dry	10	9/18/2007
4,4´-DDT	ND	35		µg/Kg-dry	10	9/18/2007
Aldrin	ND	18		µg/Kg-dry	10	9/18/2007
alpha-BHC	ND	18		µg/Kg-dry	10	9/18/2007
alpha-Chlordane	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1016	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1221	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1232	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1242	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1248	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1254	ND	18		µg/Kg-dry	10	9/18/2007
Aroclor 1260	ND	18		µg/Kg-dry	10	9/18/2007
beta-BHC	ND	18		µg/Kg-dry	10	9/18/2007
delta-BHC	ND	18		µg/Kg-dry	10	9/18/2007
Dieldrin	ND	35		µg/Kg-dry	10	9/18/2007
Endosulfan I	ND	18		µg/Kg-dry	10	9/18/2007
Endosulfan II	ND	35		µg/Kg-dry	10	9/18/2007
Endosulfan sulfate	ND	35		µg/Kg-dry	10	9/18/2007
Endrin	ND	35		µg/Kg-dry	10	9/18/2007
Endrin aldehyde	ND	35		µg/Kg-dry	10	9/18/2007
Endrin ketone	ND	35		µg/Kg-dry	10	9/18/2007
gamma-BHC	ND	18		µg/Kg-dry	10	9/18/2007
gamma-Chlordane	ND	18		µg/Kg-dry	10	9/18/2007
Heptachlor	ND	18		µg/Kg-dry	10	9/18/2007
Heptachlor epoxide	ND	18		µg/Kg-dry	10	9/18/2007
Methoxychlor	ND	180		µg/Kg-dry	10	9/18/2007
Toxaphene	ND	1800		µg/Kg-dry	10	9/18/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	35		µg/Kg-dry	1	9/20/2007
2,4,5-TP (Silvex)	ND	35		µg/Kg-dry	1	9/20/2007
2,4-D	ND	35		µg/Kg-dry	1	9/20/2007
Dicamba	ND	35		µg/Kg-dry	1	9/20/2007
Dinoseb	ND	35		µg/Kg-dry	1	9/20/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9200	5.3		mg/Kg-dry	1	9/17/2007 2:44:32 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

CLIENT: NYSDEC - Region 9 **Client Sample ID:** TP-31,32,and 38
Lab Order: U0709166 **Collection Date:** 9/7/2007 2:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-013 **Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	32		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Arsenic*	10	1.1		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Barium	70	32		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Beryllium	ND	0.53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Cadmium	0.83	0.53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Calcium	1900	53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Chromium	12	5.3		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Cobalt	6.7	5.3		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Copper	37	2.1		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Iron	17000	3.2		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Lead	180	11		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Magnesium	1400	53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Manganese	440	2.1		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Nickel	11	3.2		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Potassium	630	53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Selenium*	5.4	0.53	B	mg/Kg-dry	1	9/17/2007 2:44:32 PM
Silver	ND	5.3		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Sodium	ND	53		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Thallium*	ND	0.32		mg/Kg-dry	1	9/17/2007 2:44:32 PM
Vanadium	10	32	J	mg/Kg-dry	1	9/17/2007 2:44:32 PM
Zinc	160	1.1		mg/Kg-dry	1	9/17/2007 2:44:32 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.11	0.213	J	mg/Kg-dry	1	9/20/2007 1:33:13 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
1,2,4-Trichlorobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
1,2-Dichlorobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
1,3-Dichlorobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
1,4-Dichlorobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4,5-Trichlorophenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4,6-Trichlorophenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4-Dichlorophenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4-Dimethylphenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4-Dinitrophenol	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,4-Dinitrotoluene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2,6-Dinitrotoluene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2-Chloronaphthalene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2-Chlorophenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-31,32,and 38
Lab Order: U0709166
Collection Date: 9/7/2007 2:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-013
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	40	350	J	µg/Kg-dry	1	9/21/2007 2:21:00 AM
2-Methylphenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2-Nitroaniline	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
2-Nitrophenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
3,3´-Dichlorobenzidine	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
3-Nitroaniline	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4,6-Dinitro-2-methylphenol	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Bromophenyl phenyl ether	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Chloro-3-methylphenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Chloroaniline	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Chlorophenyl phenyl ether	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Nitroaniline	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
4-Nitrophenol	ND	3500		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Acenaphthene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Acenaphthylene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Anthracene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Benz(a)anthracene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Benzo(a)pyrene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Benzo(b)fluoranthene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Benzo(g,h,i)perylene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Benzo(k)fluoranthene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Bis(2-chloroethoxy)methane	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Bis(2-chloroethyl)ether	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Bis(2-chloroisopropyl)ether	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Bis(2-ethylhexyl)phthalate	300	350	J	µg/Kg-dry	1	9/21/2007 2:21:00 AM
Butyl benzyl phthalate	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Carbazole	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Chrysene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Di-n-butyl phthalate	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Di-n-octyl phthalate	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Dibenz(a,h)anthracene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Dibenzofuran	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Diethyl phthalate	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Dimethyl phthalate	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Fluoranthene	100	350	J	µg/Kg-dry	1	9/21/2007 2:21:00 AM
Fluorene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Hexachlorobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Hexachlorobutadiene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Hexachlorocyclopentadiene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-31,32,and 38
Lab Order:	U0709166	**Collection Date:**	9/7/2007 2:30:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0709166-013	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Indeno(1,2,3-cd)pyrene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Isophorone	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
N-Nitrosodi-n-propylamine	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
N-Nitrosodiphenylamine	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Naphthalene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Nitrobenzene	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Pentachlorophenol	ND	710		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Phenanthrene	80	350	J	µg/Kg-dry	1	9/21/2007 2:21:00 AM
Phenol	ND	350		µg/Kg-dry	1	9/21/2007 2:21:00 AM
Pyrene	300	350	J	µg/Kg-dry	1	9/21/2007 2:21:00 AM
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.107		mg/Kg-dry	1	9/18/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	6.15	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *24-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Sed 1
Lab Order: U0709166
Collection Date: 9/7/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0709166-014
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	5100	6.1		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Antimony	ND	36		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Arsenic*	13	1.2		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Barium	140	36		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Beryllium	ND	0.61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Cadmium	2.5	0.61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Calcium	9100	61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Chromium	34	6.1		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Cobalt	10	6.1		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Copper	77	2.4		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Iron	79000	18		mg/Kg-dry	5	9/17/2007 2:51:46 PM
Lead	120	12		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Magnesium	4200	61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Manganese	5800	12		mg/Kg-dry	5	9/17/2007 2:51:46 PM
Nickel	35	3.6		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Potassium	600	61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Selenium*	13	0.61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Silver	ND	6.1		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Sodium	ND	61		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Thallium*	ND	0.36		mg/Kg-dry	1	9/17/2007 2:47:56 PM
Vanadium	8	36	J	mg/Kg-dry	1	9/17/2007 2:47:56 PM
Zinc	420	1.2		mg/Kg-dry	1	9/17/2007 2:47:56 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.019	0.243	J	mg/Kg-dry	1	9/20/2007 1:34:25 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.6	0.00100		wt%	1	9/13/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *21-Sep-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-50
Lab Order: U0709247
Collection Date: 9/13/2007 1:00:00 PM
Project: Friendship Foundry
Lab ID: U0709247-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1221	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1232	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1242	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1248	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1254	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1260	ND	0.10		mg/Kg-dry	1	9/18/2007
Aroclor 1268	ND	0.10		mg/Kg-dry	1	9/18/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	2500	6.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Antimony	ND	37		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Arsenic*	1.5	1.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Barium	30	37	J	mg/Kg-dry	1	9/20/2007 10:29:43 AM
Beryllium	ND	0.62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Cadmium	0.63	0.62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Calcium	3400	62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Chromium	11	6.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Cobalt	ND	6.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Copper	18	2.5		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Iron	11000	3.7		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Lead	51	12		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Magnesium	1200	62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Manganese	190	2.5		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Nickel	24	3.7		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Potassium	480	62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Selenium*	2.0	0.62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Silver	ND	6.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Sodium	190	62		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Thallium*	ND	0.37		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Vanadium	ND	37		mg/Kg-dry	1	9/20/2007 10:29:43 AM
Zinc	95	1.2		mg/Kg-dry	1	9/20/2007 10:29:43 AM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.075	0.249	J	mg/Kg-dry	1	9/20/2007 1:35:25 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	19.8	0.00100		wt%	1	9/17/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	B-1 @ 3-4'
Lab Order:	U0710072	**Collection Date:**	10/3/2007 10:00:00 AM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0710072-001	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1221	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1232	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1242	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1248	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1254	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1260	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1268	ND	0.10		mg/Kg-dry	1	10/8/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	13000	6.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Antimony	ND	37		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Arsenic*	7.7	1.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Barium	130	37		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Beryllium	ND	0.62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Cadmium	ND	0.62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Calcium	1400	62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Chromium	13	6.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Cobalt	9.1	6.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Copper	13	2.5		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Iron	19000	3.7		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Lead	44	12		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Magnesium	2400	62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Manganese	490	2.5		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Nickel	17	3.7		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Potassium	1600	62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Selenium*	7.3	0.62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Silver	ND	6.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Sodium	300	62		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Thallium*	ND	0.37		mg/Kg-dry	1	10/6/2007 12:42:25 PM
Vanadium	20	37	J	mg/Kg-dry	1	10/6/2007 12:42:25 PM
Zinc	100	1.2		mg/Kg-dry	1	10/6/2007 12:42:25 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.076	0.246	J	mg/Kg-dry	1	10/11/2007 12:14:16 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	18.8	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:	* Low Level	**	Value exceeds Maximum Contaminant Value
	B Analyte detected in the associated Method Blank	E	Value above quantitation range
	H Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-2 @ 2-3'
Lab Order: U0710072
Collection Date: 10/3/2007 10:15:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	8100	6.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Antimony	ND	39		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Arsenic*	22	1.3		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Barium	130	39		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Beryllium	ND	0.66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Cadmium	2.1	0.66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Calcium	ND	66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Chromium	38	6.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Cobalt	24	6.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Copper	73	2.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Iron	240000	99		mg/Kg-dry	25	10/8/2007 9:56:40 AM
Lead	230	13		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Magnesium	1600	66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Manganese	1200	2.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Nickel	53	3.9		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Potassium	840	66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Selenium*	31	0.66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Silver	ND	6.6		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Sodium	ND	66		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Thallium*	ND	0.39		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Vanadium	54	39		mg/Kg-dry	1	10/6/2007 12:59:19 PM
Zinc	170	1.3		mg/Kg-dry	1	10/6/2007 12:59:19 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.18	0.263	J	mg/Kg-dry	1	10/11/2007 12:15:16 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	24.0	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-3 @ 4-7'
Lab Order: U0710072
Collection Date: 10/3/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1221	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1232	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1242	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1248	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1254	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1260	ND	0.099		mg/Kg-dry	1	10/8/2007
Aroclor 1268	ND	0.099		mg/Kg-dry	1	10/8/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	10000	6.0		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Antimony	ND	36		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Arsenic*	8.7	1.2		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Barium	82	36		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Beryllium	ND	0.60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Cadmium	ND	0.60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Calcium	970	60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Chromium	12	6.0		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Cobalt	9.4	6.0		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Copper	9.2	2.4		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Iron	19000	3.6		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Lead	17	12		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Magnesium	2100	60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Manganese	730	2.4		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Nickel	18	3.6		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Potassium	1200	60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Selenium*	6.1	0.60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Silver	ND	6.0		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Sodium	460	60		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Thallium*	ND	0.36		mg/Kg-dry	1	10/6/2007 1:10:18 PM
Vanadium	10	36	J	mg/Kg-dry	1	10/6/2007 1:10:18 PM
Zinc	58	1.2		mg/Kg-dry	1	10/6/2007 1:10:18 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.024	0.239	J	mg/Kg-dry	1	10/11/2007 12:16:37 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
1,2,4-Trichlorobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
1,2-Dichlorobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-3 @ 4-7'
Lab Order: U0710072
Collection Date: 10/3/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
1,3-Dichlorobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
1,4-Dichlorobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4,5-Trichlorophenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4,6-Trichlorophenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4-Dichlorophenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4-Dimethylphenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4-Dinitrophenol	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,4-Dinitrotoluene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2,6-Dinitrotoluene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Chloronaphthalene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Chlorophenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Methylnaphthalene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Methylphenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Nitroaniline	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
2-Nitrophenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
3,3´-Dichlorobenzidine	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
3-Nitroaniline	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4,6-Dinitro-2-methylphenol	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Bromophenyl phenyl ether	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Chloro-3-methylphenol	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Chloroaniline	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Chlorophenyl phenyl ether	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Nitroaniline	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
4-Nitrophenol	ND	3900		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Acenaphthene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Acenaphthylene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Anthracene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Benz(a)anthracene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Benzo(a)pyrene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Benzo(b)fluoranthene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Benzo(g,h,i)perylene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Benzo(k)fluoranthene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Bis(2-chloroethoxy)methane	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Bis(2-chloroethyl)ether	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Bis(2-chloroisopropyl)ether	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Bis(2-ethylhexyl)phthalate	440	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Butyl benzyl phthalate	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Carbazole	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Chrysene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-3 @ 4-7'
Lab Order: U0710072
Collection Date: 10/3/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Di-n-butyl phthalate	80	390	J	µg/Kg-dry	1	10/5/2007 4:30:00 PM
Di-n-octyl phthalate	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Dibenz(a,h)anthracene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Dibenzofuran	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Diethyl phthalate	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Dimethyl phthalate	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Fluoranthene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Fluorene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Hexachlorobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Hexachlorobutadiene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Hexachlorocyclopentadiene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Hexachloroethane	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Isophorone	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
N-Nitrosodi-n-propylamine	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
N-Nitrosodiphenylamine	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Naphthalene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Nitrobenzene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Pentachlorophenol	ND	800		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Phenanthrene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
Phenol	80	390	J	µg/Kg-dry	1	10/5/2007 4:30:00 PM
Pyrene	ND	390		µg/Kg-dry	1	10/5/2007 4:30:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,1,2,2-Tetrachloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,1,2-Trichloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,1-Dichloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,1-Dichloroethene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,2-Dichloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
1,2-Dichloropropane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
2-Butanone	ND	12		µg/Kg-dry	1	10/18/2007 2:06:00 PM
2-Hexanone	ND	12		µg/Kg-dry	1	10/18/2007 2:06:00 PM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Acetone	60	12		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Benzene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Bromodichloromethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Bromoform	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Bromomethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-3 @ 4-7'
Lab Order: U0710072
Collection Date: 10/3/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Carbon disulfide	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Carbon tetrachloride	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Chlorobenzene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Chloroethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Chloroform	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Chloromethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
cis-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
cis-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Dibromochloromethane	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Ethylbenzene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
m,p-Xylene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Methylene chloride	6.5	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
o-Xylene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Styrene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Tetrachloroethene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Toluene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
trans-1,2-Dichloroethene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
trans-1,3-Dichloropropene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Trichloroethene	ND	3.6		µg/Kg-dry	1	10/18/2007 2:06:00 PM
Vinyl chloride	ND	2.4		µg/Kg-dry	1	10/18/2007 2:06:00 PM
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	0.193	0.119		mg/Kg-dry	1	10/9/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.48		mg/Kg-dry	2	10/4/2007 9:45:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	16.3	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-4 @ 3-4'
Lab Order: U0710072
Collection Date: 10/3/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1221	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1232	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1242	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1248	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1254	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1260	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1268	ND	0.10		mg/Kg-dry	1	10/8/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	11000	6.1		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Antimony	ND	36		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Arsenic*	4.8	1.2		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Barium	71	36		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Beryllium	ND	0.61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Cadmium	ND	0.61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Calcium	1400	61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Chromium	11	6.1		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Cobalt	9.2	6.1		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Copper	8.2	2.4		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Iron	16000	3.6		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Lead	16	12		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Magnesium	2000	61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Manganese	770	2.4		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Nickel	14	3.6		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Potassium	1200	61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Selenium*	5.5	0.61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Silver	ND	6.1		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Sodium	300	61		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Thallium*	ND	0.36		mg/Kg-dry	1	10/6/2007 1:14:12 PM
Vanadium	10	36	J	mg/Kg-dry	1	10/6/2007 1:14:12 PM
Zinc	60	1.2		mg/Kg-dry	1	10/6/2007 1:14:12 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.022	0.243	J	mg/Kg-dry	1	10/11/2007 12:17:49 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.7	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-5 @ 4-5'
Lab Order: U0710072
Collection Date: 10/3/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-005
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1221	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1232	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1242	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1248	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1254	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1260	ND	0.10		mg/Kg-dry	1	10/8/2007
Aroclor 1268	ND	0.10		mg/Kg-dry	1	10/8/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	6000	6.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Antimony	ND	38		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Arsenic*	5.2	1.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Barium	63	38		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Beryllium	ND	0.63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Cadmium	ND	0.63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Calcium	4000	63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Chromium	11	6.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Cobalt	8.6	6.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Copper	22	2.5		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Iron	24000	3.8		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Lead	49	13		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Magnesium	1400	63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Manganese	330	2.5		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Nickel	14	3.8		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Potassium	1200	63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Selenium*	6.1	0.63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Silver	ND	6.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Sodium	120	63		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Thallium*	ND	0.38		mg/Kg-dry	1	10/6/2007 1:18:04 PM
Vanadium	20	38	J	mg/Kg-dry	1	10/6/2007 1:18:04 PM
Zinc	97	1.3		mg/Kg-dry	1	10/6/2007 1:18:04 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.10	0.252	J	mg/Kg-dry	1	10/11/2007 12:18:48 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	20.6	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-8 @ 6-7'
Lab Order: U0710072
Collection Date: 10/3/2007 12:45:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS(SOIL/SLUDGE)		**SW8082**		**(SW3550B)**		Analyst: **KC**
Aroclor 1016	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1221	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1232	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1242	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1248	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1254	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1260	ND	0.095		mg/Kg-dry	1	10/8/2007
Aroclor 1268	ND	0.095		mg/Kg-dry	1	10/8/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	9500	5.7		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Antimony	ND	34		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Arsenic*	15	1.1		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Barium	120	34		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Beryllium	ND	0.57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Cadmium	ND	0.57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Calcium	520	57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Chromium	9.2	5.7		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Cobalt	9.6	5.7		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Copper	11	2.3		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Iron	19000	3.4		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Lead	18	11		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Magnesium	1900	57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Manganese	2000	2.3		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Nickel	19	3.4		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Potassium	1100	57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Selenium*	7.3	0.57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Silver	ND	5.7		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Sodium	75	57		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Thallium*	ND	0.34		mg/Kg-dry	1	10/6/2007 1:22:17 PM
Vanadium	10	34	J	mg/Kg-dry	1	10/6/2007 1:22:17 PM
Zinc	50	1.1		mg/Kg-dry	1	10/6/2007 1:22:17 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.034	0.228	J	mg/Kg-dry	1	10/11/2007 12:20:07 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-8 @ 6-7'
Lab Order: U0710072
Collection Date: 10/3/2007 12:45:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Benz(a)anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Bis(2-ethylhexyl)phthalate	5700	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Chrysene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-8 @ 6-7'
Lab Order: U0710072
Collection Date: 10/3/2007 12:45:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Hexachloroethane	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Naphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Pentachlorophenol	ND	7600		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Phenanthrene	1000	3800	J	µg/Kg-dry	10	10/8/2007 6:47:00 PM
Phenol	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM
Pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 6:47:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,1,2,2-Tetrachloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,1,2-Trichloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,1-Dichloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,1-Dichloroethene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,2-Dichloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
1,2-Dichloropropane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
2-Butanone	ND	57		µg/Kg-dry	5	10/18/2007 2:55:00 PM
2-Hexanone	ND	57		µg/Kg-dry	5	10/18/2007 2:55:00 PM
4-Methyl-2-pentanone	ND	57		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Acetone	110	57		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Benzene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Bromodichloromethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-8 @ 6-7'
Lab Order: U0710072
Collection Date: 10/3/2007 12:45:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-006
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Bromoform	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Bromomethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Carbon disulfide	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Carbon tetrachloride	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Chlorobenzene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Chloroethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Chloroform	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Chloromethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
cis-1,2-Dichloroethene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
cis-1,3-Dichloropropene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Dibromochloromethane	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Ethylbenzene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
m,p-Xylene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Methylene chloride	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
o-Xylene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Styrene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Tetrachloroethene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Toluene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
trans-1,2-Dichloroethene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
trans-1,3-Dichloropropene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Trichloroethene	ND	17		µg/Kg-dry	5	10/18/2007 2:55:00 PM
Vinyl chloride	ND	11		µg/Kg-dry	5	10/18/2007 2:55:00 PM

NOTES:
The reporting limits were raised due to the high concentration of non-target compounds.

PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.2	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-9 @ 3-6'
Lab Order: U0710072
Collection Date: 10/3/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	38		µg/Kg-dry	10	10/8/2007
4,4´-DDE	ND	38		µg/Kg-dry	10	10/8/2007
4,4´-DDT	ND	38		µg/Kg-dry	10	10/8/2007
Aldrin	ND	20		µg/Kg-dry	10	10/8/2007
alpha-BHC	ND	20		µg/Kg-dry	10	10/8/2007
alpha-Chlordane	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1016	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1221	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1232	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1242	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1248	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1254	ND	20		µg/Kg-dry	10	10/8/2007
Aroclor 1260	ND	20		µg/Kg-dry	10	10/8/2007
beta-BHC	ND	20		µg/Kg-dry	10	10/8/2007
delta-BHC	ND	20		µg/Kg-dry	10	10/8/2007
Dieldrin	ND	38		µg/Kg-dry	10	10/8/2007
Endosulfan I	ND	20		µg/Kg-dry	10	10/8/2007
Endosulfan II	ND	38		µg/Kg-dry	10	10/8/2007
Endosulfan sulfate	ND	38		µg/Kg-dry	10	10/8/2007
Endrin	ND	38		µg/Kg-dry	10	10/8/2007
Endrin aldehyde	ND	38		µg/Kg-dry	10	10/8/2007
Endrin ketone	ND	38		µg/Kg-dry	10	10/8/2007
gamma-BHC	ND	20		µg/Kg-dry	10	10/8/2007
gamma-Chlordane	ND	20		µg/Kg-dry	10	10/8/2007
Heptachlor	ND	20		µg/Kg-dry	10	10/8/2007
Heptachlor epoxide	ND	20		µg/Kg-dry	10	10/8/2007
Methoxychlor	ND	200		µg/Kg-dry	10	10/8/2007
Toxaphene	ND	2000		µg/Kg-dry	10	10/8/2007

NOTES:
The reporting limits were raised due to matrix interference.

CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	10/12/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	10/12/2007
2,4-D	ND	38		µg/Kg-dry	1	10/12/2007
Dicamba	ND	38		µg/Kg-dry	1	10/12/2007
Dinoseb	ND	38		µg/Kg-dry	1	10/12/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Aluminum	11000	5.8		mg/Kg-dry	1	10/6/2007 1:26:14 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-9 @ 3-6'
Lab Order: U0710072
Collection Date: 10/3/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **LJ**
Antimony	ND	35		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Arsenic*	9.4	1.2		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Barium	120	35		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Beryllium	0.77	0.58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Cadmium	ND	0.58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Calcium	1200	58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Chromium	17	5.8		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Cobalt	12	5.8		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Copper	69	2.3		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Iron	24000	3.5		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Lead	77	12		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Magnesium	1900	58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Manganese	960	2.3		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Nickel	25	3.5		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Potassium	1000	58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Selenium*	7.6	0.58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Silver	ND	5.8		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Sodium	ND	58		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Thallium*	ND	0.35		mg/Kg-dry	1	10/6/2007 1:26:14 PM
Vanadium	20	35	J	mg/Kg-dry	1	10/6/2007 1:26:14 PM
Zinc	120	1.2		mg/Kg-dry	1	10/6/2007 1:26:14 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.050	0.232	J	mg/Kg-dry	1	10/11/2007 12:23:25 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
**	Value exceeds Maximum Contaminant Value
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-9 @ 3-6'
Lab Order: U0710072
Collection Date: 10/3/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Benz(a)anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Bis(2-ethylhexyl)phthalate	2000	3800	J	µg/Kg-dry	10	10/8/2007 7:30:00 PM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Chrysene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Fluoranthene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-9 @ 3-6'
Lab Order: U0710072
Collection Date: 10/3/2007 2:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710072-007
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Naphthalene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Pentachlorophenol	ND	7800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Phenanthrene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Phenol	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM
Pyrene	ND	3800		µg/Kg-dry	10	10/8/2007 7:30:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,1,2,2-Tetrachloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,1,2-Trichloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,1-Dichloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,1-Dichloroethene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,2-Dichloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
1,2-Dichloropropane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
2-Butanone	ND	12		µg/Kg-dry	1	10/18/2007 4:42:00 PM
2-Hexanone	ND	12		µg/Kg-dry	1	10/18/2007 4:42:00 PM
4-Methyl-2-pentanone	ND	12		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Acetone	35	12		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Benzene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Bromodichloromethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Bromoform	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Bromomethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Carbon disulfide	7.3	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Carbon tetrachloride	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Chlorobenzene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Chloroethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Chloroform	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Chloromethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
cis-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
cis-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Dibromochloromethane	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *19-Oct-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	B-9 @ 3-6'
Lab Order:	U0710072	**Collection Date:**	10/3/2007 2:00:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0710072-007	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Ethylbenzene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
m,p-Xylene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Methylene chloride	28	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
o-Xylene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Styrene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Tetrachloroethene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Toluene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
trans-1,2-Dichloroethene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
trans-1,3-Dichloropropene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Trichloroethene	ND	3.5		µg/Kg-dry	1	10/18/2007 4:42:00 PM
Vinyl chloride	ND	2.3		µg/Kg-dry	1	10/18/2007 4:42:00 PM

NOTES:
S - Outlying surrogate or spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a matrix effect.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**	**(E420.1)**			Analyst: **MB**
Phenolics, Total Recoverable	0.179	0.116		mg/Kg-dry	1	10/9/2007
HEXAVALENT CHROMIUM		**SW7196A**				Analyst: **DEY**
Chromium, Hexavalent	ND	0.46		mg/Kg-dry	2	10/4/2007 9:45:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	13.7	0.00100		wt%	1	10/9/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-1
Lab Order: U0710381
Collection Date: 10/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	3.4		µg/Kg-dry	1	10/24/2007
4,4´-DDE	ND	3.4		µg/Kg-dry	1	10/24/2007
4,4´-DDT	ND	3.4		µg/Kg-dry	1	10/24/2007
Aldrin	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1016	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1221	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1232	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1242	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1248	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1254	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1260	ND	1.8		µg/Kg-dry	1	10/24/2007
beta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
delta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
Dieldrin	ND	3.4		µg/Kg-dry	1	10/24/2007
Endosulfan I	ND	1.8		µg/Kg-dry	1	10/24/2007
Endosulfan II	ND	3.4		µg/Kg-dry	1	10/24/2007
Endosulfan sulfate	ND	3.4		µg/Kg-dry	1	10/24/2007
Endrin	ND	3.4		µg/Kg-dry	1	10/24/2007
Endrin aldehyde	ND	3.4		µg/Kg-dry	1	10/24/2007
Endrin ketone	ND	3.4		µg/Kg-dry	1	10/24/2007
gamma-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
gamma-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor epoxide	ND	1.8		µg/Kg-dry	1	10/24/2007
Methoxychlor	ND	18		µg/Kg-dry	1	10/24/2007
Toxaphene	ND	180		µg/Kg-dry	1	10/24/2007
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	34		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	34		µg/Kg-dry	1	10/24/2007
2,4-D	ND	34		µg/Kg-dry	1	10/24/2007
Dicamba	ND	34		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	34		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	3500	5.2		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Antimony	ND	31		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Arsenic*	1.2	1.0		mg/Kg-dry	1	10/19/2007 10:21:34 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-1
Lab Order: U0710381
Collection Date: 10/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Barium	33	31		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Beryllium	ND	0.52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Cadmium	0.53	0.52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Calcium	2000	52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Chromium	9.1	5.2		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Cobalt	ND	5.2		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Copper	24	2.1		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Iron	15000	3.1		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Lead	34	10		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Magnesium	1100	52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Manganese	210	2.1		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Nickel	8.7	3.1		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Potassium	750	52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Selenium*	4.1	0.52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Silver	ND	5.2		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Sodium	160	52		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Thallium*	ND	0.31		mg/Kg-dry	1	10/19/2007 10:21:34 AM
Vanadium	7	31	J	mg/Kg-dry	1	10/19/2007 10:21:34 AM
Zinc	100	1.0		mg/Kg-dry	1	10/19/2007 10:21:34 AM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.13	0.209	J	mg/Kg-dry	1	10/19/2007 11:50:07 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
1,2,4-Trichlorobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
1,2-Dichlorobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
1,3-Dichlorobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
1,4-Dichlorobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4,5-Trichlorophenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4,6-Trichlorophenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4-Dichlorophenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4-Dimethylphenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4-Dinitrophenol	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,4-Dinitrotoluene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2,6-Dinitrotoluene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2-Chloronaphthalene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2-Chlorophenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2-Methylnaphthalene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2-Methylphenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-1
Lab Order: U0710381
Collection Date: 10/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Nitroaniline	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
2-Nitrophenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
3,3´-Dichlorobenzidine	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
3-Nitroaniline	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4,6-Dinitro-2-methylphenol	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Bromophenyl phenyl ether	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Chloro-3-methylphenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Chloroaniline	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Chlorophenyl phenyl ether	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Nitroaniline	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
4-Nitrophenol	ND	34000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Acenaphthene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Acenaphthylene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Anthracene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Benz(a)anthracene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Benzo(a)pyrene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Benzo(b)fluoranthene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Benzo(g,h,i)perylene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Benzo(k)fluoranthene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Bis(2-chloroethoxy)methane	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Bis(2-chloroethyl)ether	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Bis(2-chloroisopropyl)ether	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Bis(2-ethylhexyl)phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Butyl benzyl phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Carbazole	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Chrysene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Di-n-butyl phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Di-n-octyl phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Dibenz(a,h)anthracene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Dibenzofuran	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Diethyl phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Dimethyl phthalate	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Fluoranthene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Fluorene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Hexachlorobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Hexachlorobutadiene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Hexachlorocyclopentadiene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Hexachloroethane	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Indeno(1,2,3-cd)pyrene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-1
Lab Order: U0710381
Collection Date: 10/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Isophorone	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
N-Nitrosodi-n-propylamine	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
N-Nitrosodiphenylamine	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Naphthalene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Nitrobenzene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Pentachlorophenol	ND	7000		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Phenanthrene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Phenol	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM
Pyrene	ND	3400		µg/Kg-dry	10	10/24/2007 10:59:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,1,2,2-Tetrachloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,1,2-Trichloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,1-Dichloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,1-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,2-Dichloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
1,2-Dichloropropane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
2-Butanone	ND	10		µg/Kg-dry	1	10/25/2007 4:24:00 PM
2-Hexanone	ND	10		µg/Kg-dry	1	10/25/2007 4:24:00 PM
4-Methyl-2-pentanone	ND	10		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Acetone	ND	10		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Benzene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Bromodichloromethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Bromoform	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Bromomethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Carbon disulfide	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Carbon tetrachloride	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Chlorobenzene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Chloroethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Chloroform	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Chloromethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
cis-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
cis-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Dibromochloromethane	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Ethylbenzene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
m,p-Xylene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-1
Lab Order: U0710381
Collection Date: 10/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Methylene chloride	14	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
o-Xylene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Styrene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Tetrachloroethene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Toluene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
trans-1,2-Dichloroethene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
trans-1,3-Dichloropropene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Trichloroethene	ND	3.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM
Vinyl chloride	ND	2.1		µg/Kg-dry	1	10/25/2007 4:24:00 PM

NOTES:
Analytical Note: Results confirmed by reanalysis.
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**	**(E420.1)**			Analyst: **MB**
Phenolics, Total Recoverable	0.149	0.104		mg/Kg-dry	1	10/19/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	4.22	0.00100		wt%	1	10/22/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-4
Lab Order: U0710381
Collection Date: 10/15/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	3.5		µg/Kg-dry	1	10/24/2007
4,4´-DDE	ND	3.5		µg/Kg-dry	1	10/24/2007
4,4´-DDT	ND	3.5		µg/Kg-dry	1	10/24/2007
Aldrin	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1016	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1221	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1232	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1242	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1248	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1254	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1260	ND	1.8		µg/Kg-dry	1	10/24/2007
beta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
delta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
Dieldrin	ND	3.5		µg/Kg-dry	1	10/24/2007
Endosulfan I	ND	1.8		µg/Kg-dry	1	10/24/2007
Endosulfan II	ND	3.5		µg/Kg-dry	1	10/24/2007
Endosulfan sulfate	ND	3.5		µg/Kg-dry	1	10/24/2007
Endrin	ND	3.5		µg/Kg-dry	1	10/24/2007
Endrin aldehyde	ND	3.5		µg/Kg-dry	1	10/24/2007
Endrin ketone	ND	3.5		µg/Kg-dry	1	10/24/2007
gamma-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
gamma-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor epoxide	ND	1.8		µg/Kg-dry	1	10/24/2007
Methoxychlor	ND	18		µg/Kg-dry	1	10/24/2007
Toxaphene	ND	180		µg/Kg-dry	1	10/24/2007
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	35		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	35		µg/Kg-dry	1	10/24/2007
2,4-D	ND	35		µg/Kg-dry	1	10/24/2007
Dicamba	ND	35		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	35		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	11000	5.3		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Antimony	ND	32		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Arsenic*	10	1.1		mg/Kg-dry	1	10/19/2007 10:45:03 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-4
Lab Order: U0710381
Collection Date: 10/15/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Barium	76	32		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Beryllium	0.65	0.53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Cadmium	ND	0.53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Calcium	1000	53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Chromium	12	5.3		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Cobalt	13	5.3		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Copper	13	2.1		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Iron	24000	3.2		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Lead	21	11		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Magnesium	3100	53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Manganese	620	2.1		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Nickel	22	3.2		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Potassium	1400	53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Selenium*	9.3	0.53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Silver	ND	5.3		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Sodium	76	53		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Thallium*	ND	0.32		mg/Kg-dry	1	10/19/2007 10:45:03 AM
Vanadium	10	32	J	mg/Kg-dry	1	10/19/2007 10:45:03 AM
Zinc	66	1.1		mg/Kg-dry	1	10/19/2007 10:45:03 AM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.032	0.213	J	mg/Kg-dry	1	10/19/2007 11:51:16 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
1,2,4-Trichlorobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
1,2-Dichlorobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
1,3-Dichlorobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
1,4-Dichlorobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4,5-Trichlorophenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4,6-Trichlorophenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4-Dichlorophenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4-Dimethylphenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4-Dinitrophenol	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,4-Dinitrotoluene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2,6-Dinitrotoluene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2-Chloronaphthalene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2-Chlorophenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2-Methylnaphthalene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2-Methylphenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-4
Lab Order: U0710381
Collection Date: 10/15/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Nitroaniline	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
2-Nitrophenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
3,3´-Dichlorobenzidine	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
3-Nitroaniline	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4,6-Dinitro-2-methylphenol	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Bromophenyl phenyl ether	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Chloro-3-methylphenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Chloroaniline	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Chlorophenyl phenyl ether	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Nitroaniline	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
4-Nitrophenol	ND	3500		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Acenaphthene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Acenaphthylene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Anthracene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Benz(a)anthracene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Benzo(a)pyrene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Benzo(b)fluoranthene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Benzo(g,h,i)perylene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Benzo(k)fluoranthene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Bis(2-chloroethoxy)methane	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Bis(2-chloroethyl)ether	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Bis(2-chloroisopropyl)ether	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Bis(2-ethylhexyl)phthalate	200	350	J	µg/Kg-dry	1	10/24/2007 11:42:00 PM
Butyl benzyl phthalate	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Carbazole	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Chrysene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Di-n-butyl phthalate	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Di-n-octyl phthalate	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Dibenz(a,h)anthracene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Dibenzofuran	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Diethyl phthalate	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Dimethyl phthalate	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Fluoranthene	60	350	J	µg/Kg-dry	1	10/24/2007 11:42:00 PM
Fluorene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Hexachlorobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Hexachlorobutadiene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Hexachlorocyclopentadiene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Hexachloroethane	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Indeno(1,2,3-cd)pyrene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-4
Lab Order: U0710381
Collection Date: 10/15/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Isophorone	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
N-Nitrosodi-n-propylamine	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
N-Nitrosodiphenylamine	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Naphthalene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Nitrobenzene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Pentachlorophenol	ND	710		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Phenanthrene	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Phenol	ND	350		µg/Kg-dry	1	10/24/2007 11:42:00 PM
Pyrene	50	350	J	µg/Kg-dry	1	10/24/2007 11:42:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,1,2,2-Tetrachloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,1,2-Trichloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,1-Dichloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,1-Dichloroethene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,2-Dichloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
1,2-Dichloropropane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
2-Butanone	ND	11		µg/Kg-dry	1	10/25/2007 5:13:00 PM
2-Hexanone	ND	11		µg/Kg-dry	1	10/25/2007 5:13:00 PM
4-Methyl-2-pentanone	ND	11		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Acetone	ND	11		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Benzene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Bromodichloromethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Bromoform	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Bromomethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Carbon disulfide	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Carbon tetrachloride	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Chlorobenzene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Chloroethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Chloroform	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Chloromethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
cis-1,2-Dichloroethene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
cis-1,3-Dichloropropene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Dibromochloromethane	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Ethylbenzene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
m,p-Xylene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Methylene chloride	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
o-Xylene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-4
Lab Order: U0710381
Collection Date: 10/15/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710381-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Styrene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Tetrachloroethene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Toluene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
trans-1,2-Dichloroethene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
trans-1,3-Dichloropropene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Trichloroethene	ND	3.2		µg/Kg-dry	1	10/25/2007 5:13:00 PM
Vinyl chloride	ND	2.1		µg/Kg-dry	1	10/25/2007 5:13:00 PM
NOTES: Analytical Note: Results confirmed by reanalysis.						
PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.106		mg/Kg-dry	1	10/19/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	5.92	0.00100		wt%	1	10/22/2007

Approved By: **Date:**

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-10 Drum
Lab Order: U0710428
Collection Date: 10/16/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	4.7		µg/Kg-dry	1	10/24/2007
4,4´-DDE	ND	4.7		µg/Kg-dry	1	10/24/2007
4,4´-DDT	ND	4.7		µg/Kg-dry	1	10/24/2007
Aldrin	ND	2.4		µg/Kg-dry	1	10/24/2007
alpha-BHC	ND	2.4		µg/Kg-dry	1	10/24/2007
alpha-Chlordane	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1016	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1221	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1232	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1242	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1248	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1254	ND	2.4		µg/Kg-dry	1	10/24/2007
Aroclor 1260	ND	2.4		µg/Kg-dry	1	10/24/2007
beta-BHC	ND	2.4		µg/Kg-dry	1	10/24/2007
delta-BHC	ND	2.4		µg/Kg-dry	1	10/24/2007
Dieldrin	ND	4.7		µg/Kg-dry	1	10/24/2007
Endosulfan I	ND	2.4		µg/Kg-dry	1	10/24/2007
Endosulfan II	ND	4.7		µg/Kg-dry	1	10/24/2007
Endosulfan sulfate	ND	4.7		µg/Kg-dry	1	10/24/2007
Endrin	ND	4.7		µg/Kg-dry	1	10/24/2007
Endrin aldehyde	ND	4.7		µg/Kg-dry	1	10/24/2007
Endrin ketone	ND	4.7		µg/Kg-dry	1	10/24/2007
gamma-BHC	ND	2.4		µg/Kg-dry	1	10/24/2007
gamma-Chlordane	ND	2.4		µg/Kg-dry	1	10/24/2007
Heptachlor	ND	2.4		µg/Kg-dry	1	10/24/2007
Heptachlor epoxide	ND	2.4		µg/Kg-dry	1	10/24/2007
Methoxychlor	ND	24		µg/Kg-dry	1	10/24/2007
Toxaphene	ND	240		µg/Kg-dry	1	10/24/2007
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	47		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	47		µg/Kg-dry	1	10/24/2007
2,4-D	ND	47		µg/Kg-dry	1	10/24/2007
Dicamba	ND	47		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	47		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9800	7.2		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Antimony	ND	43		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Arsenic*	4.0	1.4		mg/Kg-dry	1	10/24/2007 3:23:49 PM

Approved By: _____ **Date:** _____

Qualifiers:

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B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-10 Drum
Lab Order: U0710428
Collection Date: 10/16/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Barium	170	43		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Beryllium	ND	0.72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Cadmium	0.83	0.72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Calcium	3300	72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Chromium	6	7.2	J	mg/Kg-dry	1	10/24/2007 3:23:49 PM
Cobalt	ND	7.2		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Copper	44	2.9		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Iron	16000	4.3		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Lead	22	14		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Magnesium	2300	72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Manganese	250	2.9		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Nickel	20	4.3		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Potassium	800	72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Selenium*	0.90	0.72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Silver	ND	7.2		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Sodium	300	72		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Thallium*	ND	0.43		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Vanadium	ND	43		mg/Kg-dry	1	10/24/2007 3:23:49 PM
Zinc	86	1.4		mg/Kg-dry	1	10/24/2007 3:23:49 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.0027	0.287	J	mg/Kg-dry	1	10/23/2007 12:36:15 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
1,2,4-Trichlorobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
1,2-Dichlorobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
1,3-Dichlorobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
1,4-Dichlorobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4,5-Trichlorophenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4,6-Trichlorophenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4-Dichlorophenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4-Dimethylphenol	700	4700	J	µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4-Dinitrophenol	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,4-Dinitrotoluene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2,6-Dinitrotoluene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2-Chloronaphthalene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2-Chlorophenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2-Methylnaphthalene	2000	4700	J	µg/Kg-dry	10	10/25/2007 12:25:00 AM
2-Methylphenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-10 Drum
Lab Order: U0710428
Collection Date: 10/16/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Nitroaniline	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
2-Nitrophenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
3,3´-Dichlorobenzidine	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
3-Nitroaniline	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4,6-Dinitro-2-methylphenol	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Bromophenyl phenyl ether	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Chloro-3-methylphenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Chloroaniline	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Chlorophenyl phenyl ether	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Nitroaniline	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
4-Nitrophenol	ND	47000		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Acenaphthene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Acenaphthylene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Anthracene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Benz(a)anthracene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Benzo(a)pyrene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Benzo(b)fluoranthene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Benzo(g,h,i)perylene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Benzo(k)fluoranthene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Bis(2-chloroethoxy)methane	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Bis(2-chloroethyl)ether	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Bis(2-chloroisopropyl)ether	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Bis(2-ethylhexyl)phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Butyl benzyl phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Carbazole	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Chrysene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Di-n-butyl phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Di-n-octyl phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Dibenz(a,h)anthracene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Dibenzofuran	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Diethyl phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Dimethyl phthalate	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Fluoranthene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Fluorene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Hexachlorobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Hexachlorobutadiene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Hexachlorocyclopentadiene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Hexachloroethane	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Indeno(1,2,3-cd)pyrene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-10 Drum
Lab Order: U0710428
Collection Date: 10/16/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Isophorone	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
N-Nitrosodi-n-propylamine	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
N-Nitrosodiphenylamine	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Naphthalene	1000	4700	J	µg/Kg-dry	10	10/25/2007 12:25:00 AM
Nitrobenzene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Pentachlorophenol	ND	9600		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Phenanthrene	900	4700	J	µg/Kg-dry	10	10/25/2007 12:25:00 AM
Phenol	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM
Pyrene	ND	4700		µg/Kg-dry	10	10/25/2007 12:25:00 AM

NOTES:
The reporting limits were raised due to matrix interference. Petroleum pattern present.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,1,2,2-Tetrachloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,1,2-Trichloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,1-Dichloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,1-Dichloroethene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,2-Dichloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
1,2-Dichloropropane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
2-Butanone	ND	29		µg/Kg-dry	2	10/29/2007 12:52:00 PM
2-Hexanone	ND	29		µg/Kg-dry	2	10/29/2007 12:52:00 PM
4-Methyl-2-pentanone	ND	29		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Acetone	98	29		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Benzene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Bromodichloromethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Bromoform	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Bromomethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Carbon disulfide	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Carbon tetrachloride	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Chlorobenzene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Chloroethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Chloroform	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Chloromethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
cis-1,2-Dichloroethene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
cis-1,3-Dichloropropene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Dibromochloromethane	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Ethylbenzene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
m,p-Xylene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-10 Drum
Lab Order: U0710428
Collection Date: 10/16/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Methylene chloride	30	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
o-Xylene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Styrene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Tetrachloroethene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Toluene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
trans-1,2-Dichloroethene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
trans-1,3-Dichloropropene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Trichloroethene	ND	8.6		µg/Kg-dry	2	10/29/2007 12:52:00 PM
Vinyl chloride	ND	5.7		µg/Kg-dry	2	10/29/2007 12:52:00 PM

NOTES:
The reporting limits were raised due to matrix interference.
Methylene chloride and Acetone are common laboratory solvents.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.144		mg/Kg-dry	1	10/23/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	30.3	0.00100		wt%	1	10/22/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-11
Lab Order: U0710428
Collection Date: 10/16/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	3.6		µg/Kg-dry	1	10/24/2007
4,4´-DDE	ND	3.6		µg/Kg-dry	1	10/24/2007
4,4´-DDT	ND	3.6		µg/Kg-dry	1	10/24/2007
Aldrin	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
alpha-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1016	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1221	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1232	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1242	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1248	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1254	ND	1.8		µg/Kg-dry	1	10/24/2007
Aroclor 1260	56	1.8		µg/Kg-dry	1	10/24/2007
beta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
delta-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
Dieldrin	ND	3.6		µg/Kg-dry	1	10/24/2007
Endosulfan I	ND	1.8		µg/Kg-dry	1	10/24/2007
Endosulfan II	ND	3.6		µg/Kg-dry	1	10/24/2007
Endosulfan sulfate	ND	3.6		µg/Kg-dry	1	10/24/2007
Endrin	ND	3.6		µg/Kg-dry	1	10/24/2007
Endrin aldehyde	ND	3.6		µg/Kg-dry	1	10/24/2007
Endrin ketone	ND	3.6		µg/Kg-dry	1	10/24/2007
gamma-BHC	ND	1.8		µg/Kg-dry	1	10/24/2007
gamma-Chlordane	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor	ND	1.8		µg/Kg-dry	1	10/24/2007
Heptachlor epoxide	ND	1.8		µg/Kg-dry	1	10/24/2007
Methoxychlor	ND	18		µg/Kg-dry	1	10/24/2007
Toxaphene	ND	180		µg/Kg-dry	1	10/24/2007
NOTES: Aroclor is altered and/or weathered.						
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	36		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	36		µg/Kg-dry	1	10/24/2007
2,4-D	ND	36		µg/Kg-dry	1	10/24/2007
Dicamba	ND	36		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	36		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	3300	5.4		mg/Kg-dry	1	10/24/2007 3:40:18 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-11
Lab Order: U0710428
Collection Date: 10/16/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	33		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Arsenic*	4.4	1.1		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Barium	42	33		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Beryllium	ND	0.54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Cadmium	1.0	0.54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Calcium	5800	54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Chromium	17	5.4		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Cobalt	ND	5.4		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Copper	85	2.2		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Iron	32000	3.3		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Lead	46	11		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Magnesium	850	54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Manganese	370	2.2		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Nickel	15	3.3		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Potassium	550	54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Selenium*	3.5	0.54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Silver	ND	5.4		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Sodium	ND	54		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Thallium*	ND	0.33		mg/Kg-dry	1	10/24/2007 3:40:18 PM
Vanadium	10	33	J	mg/Kg-dry	1	10/24/2007 3:40:18 PM
Zinc	79	1.1		mg/Kg-dry	1	10/24/2007 3:40:18 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.068	0.217	J	mg/Kg-dry	1	10/23/2007 12:39:24 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
1,2,4-Trichlorobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
1,2-Dichlorobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
1,3-Dichlorobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
1,4-Dichlorobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4,5-Trichlorophenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4,6-Trichlorophenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4-Dichlorophenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4-Dimethylphenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4-Dinitrophenol	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,4-Dinitrotoluene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2,6-Dinitrotoluene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2-Chloronaphthalene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2-Chlorophenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-11
Lab Order: U0710428
Collection Date: 10/16/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2-Methylphenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2-Nitroaniline	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
2-Nitrophenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
3,3´-Dichlorobenzidine	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
3-Nitroaniline	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4,6-Dinitro-2-methylphenol	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Bromophenyl phenyl ether	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Chloro-3-methylphenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Chloroaniline	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Chlorophenyl phenyl ether	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Nitroaniline	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
4-Nitrophenol	ND	36000		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Acenaphthene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Acenaphthylene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Anthracene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Benz(a)anthracene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Benzo(a)pyrene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Benzo(b)fluoranthene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Benzo(g,h,i)perylene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Benzo(k)fluoranthene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Bis(2-chloroethoxy)methane	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Bis(2-chloroethyl)ether	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Bis(2-chloroisopropyl)ether	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Bis(2-ethylhexyl)phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Butyl benzyl phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Carbazole	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Chrysene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Di-n-butyl phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Di-n-octyl phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Dibenz(a,h)anthracene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Dibenzofuran	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Diethyl phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Dimethyl phthalate	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Fluoranthene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Fluorene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Hexachlorobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Hexachlorobutadiene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Hexachlorocyclopentadiene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-11
Lab Order: U0710428
Collection Date: 10/16/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Indeno(1,2,3-cd)pyrene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Isophorone	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
N-Nitrosodi-n-propylamine	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
N-Nitrosodiphenylamine	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Naphthalene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Nitrobenzene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Pentachlorophenol	ND	7300		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Phenanthrene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Phenol	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM
Pyrene	ND	3600		µg/Kg-dry	10	10/25/2007 1:07:00 AM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,1,2,2-Tetrachloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,1,2-Trichloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,1-Dichloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,1-Dichloroethene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,2-Dichloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
1,2-Dichloropropane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
2-Butanone	ND	22		µg/Kg-dry	2	10/29/2007 1:41:00 PM
2-Hexanone	ND	22		µg/Kg-dry	2	10/29/2007 1:41:00 PM
4-Methyl-2-pentanone	ND	22		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Acetone	ND	22		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Benzene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Bromodichloromethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Bromoform	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Bromomethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Carbon disulfide	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Carbon tetrachloride	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Chlorobenzene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Chloroethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Chloroform	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Chloromethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
cis-1,2-Dichloroethene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
cis-1,3-Dichloropropene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Dibromochloromethane	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-11
Lab Order: U0710428
Collection Date: 10/16/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Ethylbenzene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
m,p-Xylene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Methylene chloride	49	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
o-Xylene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Styrene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Tetrachloroethene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Toluene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
trans-1,2-Dichloroethene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
trans-1,3-Dichloropropene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Trichloroethene	ND	6.5		µg/Kg-dry	2	10/29/2007 1:41:00 PM
Vinyl chloride	ND	4.3		µg/Kg-dry	2	10/29/2007 1:41:00 PM

NOTES:
The reporting limits were raised due to matrix interference.
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.109		mg/Kg-dry	1	10/23/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	7.86	0.00100		wt%	1	10/22/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-12
Lab Order: U0710428
Collection Date: 10/16/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	3.8		µg/Kg-dry	1	10/24/2007
4,4´-DDE	ND	3.8		µg/Kg-dry	1	10/24/2007
4,4´-DDT	ND	3.8		µg/Kg-dry	1	10/24/2007
Aldrin	ND	1.9		µg/Kg-dry	1	10/24/2007
alpha-BHC	ND	1.9		µg/Kg-dry	1	10/24/2007
alpha-Chlordane	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1016	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1221	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1232	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1242	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1248	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1254	ND	1.9		µg/Kg-dry	1	10/24/2007
Aroclor 1260	53	1.9		µg/Kg-dry	1	10/24/2007
beta-BHC	ND	1.9		µg/Kg-dry	1	10/24/2007
delta-BHC	ND	1.9		µg/Kg-dry	1	10/24/2007
Dieldrin	ND	3.8		µg/Kg-dry	1	10/24/2007
Endosulfan I	ND	1.9		µg/Kg-dry	1	10/24/2007
Endosulfan II	ND	3.8		µg/Kg-dry	1	10/24/2007
Endosulfan sulfate	ND	3.8		µg/Kg-dry	1	10/24/2007
Endrin	ND	3.8		µg/Kg-dry	1	10/24/2007
Endrin aldehyde	ND	3.8		µg/Kg-dry	1	10/24/2007
Endrin ketone	ND	3.8		µg/Kg-dry	1	10/24/2007
gamma-BHC	ND	1.9		µg/Kg-dry	1	10/24/2007
gamma-Chlordane	ND	1.9		µg/Kg-dry	1	10/24/2007
Heptachlor	ND	1.9		µg/Kg-dry	1	10/24/2007
Heptachlor epoxide	ND	1.9		µg/Kg-dry	1	10/24/2007
Methoxychlor	ND	19		µg/Kg-dry	1	10/24/2007
Toxaphene	ND	190		µg/Kg-dry	1	10/24/2007
NOTES: Aroclor is altered and/or weathered.						
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	38		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	38		µg/Kg-dry	1	10/24/2007
2,4-D	ND	38		µg/Kg-dry	1	10/24/2007
Dicamba	ND	38		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	38		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	4200	5.7		mg/Kg-dry	1	10/24/2007 3:44:23 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-12
Lab Order: U0710428
Collection Date: 10/16/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Antimony	ND	34		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Arsenic*	5.1	1.1		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Barium	54	34		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Beryllium	ND	0.57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Cadmium	1.7	0.57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Calcium	4200	57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Chromium	39	5.7		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Cobalt	ND	5.7		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Copper	87	2.3		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Iron	39000	3.4		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Lead	140	11		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Magnesium	960	57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Manganese	620	2.3		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Nickel	29	3.4		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Potassium	630	57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Selenium*	4.5	0.57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Silver	ND	5.7		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Sodium	ND	57		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Thallium*	ND	0.34		mg/Kg-dry	1	10/24/2007 3:44:23 PM
Vanadium	10	34	J	mg/Kg-dry	1	10/24/2007 3:44:23 PM
Zinc	150	1.1		mg/Kg-dry	1	10/24/2007 3:44:23 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.22	0.229	J	mg/Kg-dry	1	10/23/2007 12:40:24 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-12
Lab Order: U0710428
Collection Date: 10/16/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2-Methylphenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Acenaphthene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Acenaphthylene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Anthracene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Benz(a)anthracene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Bis(2-ethylhexyl)phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Carbazole	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Chrysene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Dibenzofuran	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Fluoranthene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Fluorene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-12
Lab Order: U0710428
Collection Date: 10/16/2007 1:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachloroethane	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Isophorone	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Naphthalene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Nitrobenzene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Pentachlorophenol	ND	7700		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Phenanthrene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Phenol	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
Pyrene	ND	3800		µg/Kg-dry	10	10/25/2007 1:50:00 AM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,1,2,2-Tetrachloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,1,2-Trichloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,1-Dichloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,1-Dichloroethene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,2-Dichloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
1,2-Dichloropropane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
2-Butanone	ND	23		µg/Kg-dry	2	10/29/2007 2:31:00 PM
2-Hexanone	ND	23		µg/Kg-dry	2	10/29/2007 2:31:00 PM
4-Methyl-2-pentanone	ND	23		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Acetone	ND	23		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Benzene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Bromodichloromethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Bromoform	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Bromomethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Carbon disulfide	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Carbon tetrachloride	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Chlorobenzene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Chloroethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Chloroform	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Chloromethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
cis-1,2-Dichloroethene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
cis-1,3-Dichloropropene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Dibromochloromethane	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Ethylbenzene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
m,p-Xylene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	TP-12
Lab Order:	U0710428	**Collection Date:**	10/16/2007 1:30:00 PM
Project:	Friendship Foundry, Site #902017		
Lab ID:	U0710428-003	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Methylene chloride	20	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
o-Xylene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Styrene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Tetrachloroethene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Toluene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
trans-1,2-Dichloroethene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
trans-1,3-Dichloropropene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Trichloroethene	ND	6.9		µg/Kg-dry	2	10/29/2007 2:31:00 PM
Vinyl chloride	ND	4.6		µg/Kg-dry	2	10/29/2007 2:31:00 PM

NOTES:
The reporting limits were raised due to matrix interference.
Methylene chloride is a common laboratory solvent.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**	**(E420.1)**			Analyst: **MB**
Phenolics, Total Recoverable	0.150	0.114		mg/Kg-dry	1	10/23/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.6	0.00100		wt%	1	10/22/2007

Approved By: _____ **Date:** _____

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-15
Lab Order: U0710428
Collection Date: 10/16/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PEST/PCB IN SOIL/SLUDGE		**SW8081A**		**(SW3550)**		Analyst: **KC**
4,4´-DDD	ND	45		µg/Kg-dry	10	10/24/2007
4,4´-DDE	ND	45		µg/Kg-dry	10	10/24/2007
4,4´-DDT	ND	45		µg/Kg-dry	10	10/24/2007
Aldrin	ND	23		µg/Kg-dry	10	10/24/2007
alpha-BHC	ND	23		µg/Kg-dry	10	10/24/2007
alpha-Chlordane	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1016	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1221	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1232	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1242	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1248	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1254	ND	23		µg/Kg-dry	10	10/24/2007
Aroclor 1260	ND	23		µg/Kg-dry	10	10/24/2007
beta-BHC	ND	23		µg/Kg-dry	10	10/24/2007
delta-BHC	ND	23		µg/Kg-dry	10	10/24/2007
Dieldrin	ND	45		µg/Kg-dry	10	10/24/2007
Endosulfan I	ND	23		µg/Kg-dry	10	10/24/2007
Endosulfan II	ND	45		µg/Kg-dry	10	10/24/2007
Endosulfan sulfate	ND	45		µg/Kg-dry	10	10/24/2007
Endrin	ND	45		µg/Kg-dry	10	10/24/2007
Endrin aldehyde	ND	45		µg/Kg-dry	10	10/24/2007
Endrin ketone	ND	45		µg/Kg-dry	10	10/24/2007
gamma-BHC	ND	23		µg/Kg-dry	10	10/24/2007
gamma-Chlordane	ND	23		µg/Kg-dry	10	10/24/2007
Heptachlor	ND	23		µg/Kg-dry	10	10/24/2007
Heptachlor epoxide	ND	23		µg/Kg-dry	10	10/24/2007
Methoxychlor	ND	230		µg/Kg-dry	10	10/24/2007
Toxaphene	ND	2300		µg/Kg-dry	10	10/24/2007
CHLORINATED HERBICIDES		**SW8151A**		**(SW3550)**		Analyst: **KC**
2,4,5-T	ND	45		µg/Kg-dry	1	10/24/2007
2,4,5-TP (Silvex)	ND	45		µg/Kg-dry	1	10/24/2007
2,4-D	ND	45		µg/Kg-dry	1	10/24/2007
Dicamba	ND	45		µg/Kg-dry	1	10/24/2007
Dinoseb	ND	45		µg/Kg-dry	1	10/24/2007
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	6600	6.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Antimony	ND	40		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Arsenic*	21	1.3		mg/Kg-dry	1	10/24/2007 3:47:40 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-15
Lab Order: U0710428
Collection Date: 10/16/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Barium	100	40		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Beryllium	0.83	0.67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Cadmium	0.85	0.67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Calcium	10000	67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Chromium	7.6	6.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Cobalt	ND	6.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Copper	52	2.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Iron	27000	4.0		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Lead	53	13		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Magnesium	1300	67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Manganese	360	2.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Nickel	12	4.0		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Potassium	900	67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Selenium*	2.7	0.67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Silver	ND	6.7		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Sodium	ND	67		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Thallium*	ND	0.40		mg/Kg-dry	1	10/24/2007 3:47:40 PM
Vanadium	9	40	J	mg/Kg-dry	1	10/24/2007 3:47:40 PM
Zinc	60	1.3		mg/Kg-dry	1	10/24/2007 3:47:40 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(E245.2)**		Analyst: **DRP**
Mercury	0.00013	0.200	J	mg/Kg	1	10/23/2007 1:17:46 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
1,2,4-Trichlorobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
1,2-Dichlorobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
1,3-Dichlorobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
1,4-Dichlorobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4,5-Trichlorophenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4,6-Trichlorophenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4-Dichlorophenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4-Dimethylphenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4-Dinitrophenol	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,4-Dinitrotoluene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2,6-Dinitrotoluene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2-Chloronaphthalene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2-Chlorophenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2-Methylnaphthalene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2-Methylphenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-15
Lab Order: U0710428
Collection Date: 10/16/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2-Nitroaniline	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
2-Nitrophenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
3,3´-Dichlorobenzidine	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
3-Nitroaniline	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4,6-Dinitro-2-methylphenol	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Bromophenyl phenyl ether	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Chloro-3-methylphenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Chloroaniline	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Chlorophenyl phenyl ether	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Nitroaniline	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
4-Nitrophenol	ND	45000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Acenaphthene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Acenaphthylene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Anthracene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Benz(a)anthracene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Benzo(a)pyrene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Benzo(b)fluoranthene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Benzo(g,h,i)perylene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Benzo(k)fluoranthene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Bis(2-chloroethoxy)methane	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Bis(2-chloroethyl)ether	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Bis(2-chloroisopropyl)ether	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Bis(2-ethylhexyl)phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Butyl benzyl phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Carbazole	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Chrysene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Di-n-butyl phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Di-n-octyl phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Dibenz(a,h)anthracene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Dibenzofuran	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Diethyl phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Dimethyl phthalate	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Fluoranthene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Fluorene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Hexachlorobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Hexachlorobutadiene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Hexachlorocyclopentadiene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Hexachloroethane	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Indeno(1,2,3-cd)pyrene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-15
Lab Order: U0710428
Collection Date: 10/16/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Isophorone	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
N-Nitrosodi-n-propylamine	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
N-Nitrosodiphenylamine	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Naphthalene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Nitrobenzene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Pentachlorophenol	ND	9000		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Phenanthrene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Phenol	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM
Pyrene	ND	4500		µg/Kg-dry	10	10/25/2007 2:32:00 AM

NOTES:
The reporting limits were raised due to matrix interference.

TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
1,1,1-Trichloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,1,2,2-Tetrachloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,1,2-Trichloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,1-Dichloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,1-Dichloroethene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,2-Dichloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
1,2-Dichloropropane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
2-Butanone	ND	13		µg/Kg-dry	1	10/25/2007 8:29:00 PM
2-Hexanone	ND	13		µg/Kg-dry	1	10/25/2007 8:29:00 PM
4-Methyl-2-pentanone	ND	13		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Acetone	ND	13		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Benzene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Bromodichloromethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Bromoform	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Bromomethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Carbon disulfide	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Carbon tetrachloride	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Chlorobenzene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Chloroethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Chloroform	5.4	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Chloromethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
cis-1,2-Dichloroethene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
cis-1,3-Dichloropropene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Dibromochloromethane	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Ethylbenzene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
m,p-Xylene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *30-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: TP-15
Lab Order: U0710428
Collection Date: 10/16/2007 3:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710428-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **AT**
Methylene chloride	13	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
o-Xylene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Styrene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Tetrachloroethene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Toluene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
trans-1,2-Dichloroethene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
trans-1,3-Dichloropropene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Trichloroethene	ND	4.0		µg/Kg-dry	1	10/25/2007 8:29:00 PM
Vinyl chloride	ND	2.7		µg/Kg-dry	1	10/25/2007 8:29:00 PM

NOTES:
Analytical Note: Results confirmed by reanalysis.
Methylene chloride and Acetone are common laboratory solvents.

PHENOLICS, TOTAL RECOVERABLE FOR SOLID		**E420.1**		**(E420.1)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.135		mg/Kg-dry	1	10/23/2007
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	25.9	0.00100		wt%	1	10/22/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Green "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-001
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	20000	5.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Antimony	20	30	J	mg/Kg-dry	1	10/26/2007 10:47:01 AM
Arsenic*	91	1.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Barium	230	30		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Beryllium	90	0.50		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Cadmium	86	0.50		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Calcium	140000	1300		mg/Kg-dry	25	10/26/2007 11:45:28 AM
Chromium	120	5.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Cobalt	91	5.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Copper	99	2.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Iron	7800	3.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Lead	83	10		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Magnesium	2600	50		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Manganese	6500	50		mg/Kg-dry	25	10/26/2007 11:45:28 AM
Nickel	87	3.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Potassium	4800	1300		mg/Kg-dry	25	10/26/2007 11:45:28 AM
Selenium*	98	0.50		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Silver	87	5.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Sodium	1100	50		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Thallium*	65	0.30		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Vanadium	110	30		mg/Kg-dry	1	10/26/2007 10:47:01 AM
Zinc	85	1.0		mg/Kg-dry	1	10/26/2007 10:47:01 AM

NOTES:
The reporting limits were raised due to the high concentration of target elements.

TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.036	0.200	J	mg/Kg-dry	1	10/26/2007 2:43:05 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
1,2,4-Trichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
1,2-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
1,3-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
1,4-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4,5-Trichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4,6-Trichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4-Dichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4-Dimethylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4-Dinitrophenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2,4-Dinitrotoluene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Green "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-001
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2,6-Dinitrotoluene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Chloronaphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Chlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Methylnaphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
2-Nitrophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
3,3´-Dichlorobenzidine	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
3-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4,6-Dinitro-2-methylphenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Bromophenyl phenyl ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Chloro-3-methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Chloroaniline	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Chlorophenyl phenyl ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
4-Nitrophenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Acenaphthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Acenaphthylene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Benz(a)anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Benzo(a)pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Benzo(b)fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Benzo(g,h,i)perylene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Benzo(k)fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Bis(2-chloroethoxy)methane	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Bis(2-chloroethyl)ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Bis(2-chloroisopropyl)ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Bis(2-ethylhexyl)phthalate	700	1400	J	µg/Kg-dry	1	10/24/2007 5:11:00 PM
Butyl benzyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Carbazole	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Chrysene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Di-n-butyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Di-n-octyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Dibenz(a,h)anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Dibenzofuran	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Diethyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Dimethyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Fluorene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Green "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:30:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-001
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Hexachlorobutadiene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Hexachlorocyclopentadiene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Hexachloroethane	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Indeno(1,2,3-cd)pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Isophorone	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
N-Nitrosodi-n-propylamine	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
N-Nitrosodiphenylamine	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Naphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Nitrobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Pentachlorophenol	ND	2900		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Phenanthrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Phenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
Pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:11:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	0.0455	0.00100		wt%	1	10/24/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Black "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:35:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-002
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	30000	130		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Antimony	ND	750		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Arsenic*	ND	25		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Barium	600	750	J	mg/Kg-dry	25	10/26/2007 11:09:34 AM
Beryllium	ND	13		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Cadmium	ND	13		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Calcium	120000	1300		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Chromium	50	130	J	mg/Kg-dry	25	10/26/2007 11:09:34 AM
Cobalt	ND	130		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Copper	ND	50		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Iron	2600	75		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Lead	ND	250		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Magnesium	2600	1300		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Manganese	6800	50		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Nickel	ND	75		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Potassium	ND	1300		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Selenium*	ND	13		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Silver	ND	130		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Sodium	ND	1300		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Thallium*	ND	7.5		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Vanadium	ND	750		mg/Kg-dry	25	10/26/2007 11:09:34 AM
Zinc	47	25		mg/Kg-dry	25	10/26/2007 11:09:34 AM

NOTES:
The reporting limits were raised due to the high concentration of target elements.

TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	ND	0.200		mg/Kg-dry	1	10/26/2007 2:46:22 PM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
1,2,4-Trichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
1,2-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
1,3-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
1,4-Dichlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4,5-Trichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4,6-Trichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4-Dichlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4-Dimethylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4-Dinitrophenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2,4-Dinitrotoluene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Black "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:35:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-002
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
2,6-Dinitrotoluene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Chloronaphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Chlorophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Methylnaphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
2-Nitrophenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
3,3´-Dichlorobenzidine	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
3-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4,6-Dinitro-2-methylphenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Bromophenyl phenyl ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Chloro-3-methylphenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Chloroaniline	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Chlorophenyl phenyl ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Nitroaniline	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
4-Nitrophenol	ND	14000		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Acenaphthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Acenaphthylene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Benz(a)anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Benzo(a)pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Benzo(b)fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Benzo(g,h,i)perylene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Benzo(k)fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Bis(2-chloroethoxy)methane	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Bis(2-chloroethyl)ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Bis(2-chloroisopropyl)ether	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Bis(2-ethylhexyl)phthalate	1000	1400	J	µg/Kg-dry	1	10/24/2007 5:55:00 PM
Butyl benzyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Carbazole	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Chrysene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Di-n-butyl phthalate	200	1400	J	µg/Kg-dry	1	10/24/2007 5:55:00 PM
Di-n-octyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Dibenz(a,h)anthracene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Dibenzofuran	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Diethyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Dimethyl phthalate	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Fluoranthene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Fluorene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Black "Resin"
Lab Order: U0710466
Collection Date: 10/18/2007 12:35:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-002
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Hexachlorobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Hexachlorobutadiene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Hexachlorocyclopentadiene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Hexachloroethane	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Indeno(1,2,3-cd)pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Isophorone	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
N-Nitrosodi-n-propylamine	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
N-Nitrosodiphenylamine	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Naphthalene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Nitrobenzene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Pentachlorophenol	ND	2900		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Phenanthrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Phenol	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
Pyrene	ND	1400		µg/Kg-dry	1	10/24/2007 5:55:00 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	0.0497	0.00100		wt%	1	10/24/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: Grey Slag
Lab Order: U0710466
Collection Date: 10/18/2007 12:40:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-003
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	330	120		mg/Kg	25	10/26/2007 11:12:58 AM
Antimony	ND	750		mg/Kg	25	10/26/2007 11:12:58 AM
Arsenic*	ND	25		mg/Kg	25	10/26/2007 11:12:58 AM
Barium	ND	750		mg/Kg	25	10/26/2007 11:12:58 AM
Beryllium	ND	12		mg/Kg	25	10/26/2007 11:12:58 AM
Cadmium	ND	12		mg/Kg	25	10/26/2007 11:12:58 AM
Calcium	5200	1200		mg/Kg	25	10/26/2007 11:12:58 AM
Chromium	ND	120		mg/Kg	25	10/26/2007 11:12:58 AM
Cobalt	ND	120		mg/Kg	25	10/26/2007 11:12:58 AM
Copper	ND	50		mg/Kg	25	10/26/2007 11:12:58 AM
Iron	1400	75		mg/Kg	25	10/26/2007 11:12:58 AM
Lead	ND	250		mg/Kg	25	10/26/2007 11:12:58 AM
Magnesium	100	1200	J	mg/Kg	25	10/26/2007 11:12:58 AM
Manganese	85	50		mg/Kg	25	10/26/2007 11:12:58 AM
Nickel	ND	75		mg/Kg	25	10/26/2007 11:12:58 AM
Potassium	ND	1200		mg/Kg	25	10/26/2007 11:12:58 AM
Selenium*	ND	12		mg/Kg	25	10/26/2007 11:12:58 AM
Silver	ND	120		mg/Kg	25	10/26/2007 11:12:58 AM
Sodium	ND	1200		mg/Kg	25	10/26/2007 11:12:58 AM
Thallium*	ND	7.5		mg/Kg	25	10/26/2007 11:12:58 AM
Vanadium	ND	750		mg/Kg	25	10/26/2007 11:12:58 AM
Zinc	ND	25		mg/Kg	25	10/26/2007 11:12:58 AM

NOTES:
The reporting limits were raised due to the high concentration of target elements.

TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.0089	0.200	J	mg/Kg	1	10/26/2007 2:47:23 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: White Slag
Lab Order: U0710466
Collection Date: 10/18/2007 12:45:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0710466-004
Matrix: SOLID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	27000	120		mg/Kg	25	10/26/2007 11:16:27 AM
Antimony	ND	750		mg/Kg	25	10/26/2007 11:16:27 AM
Arsenic*	9	25	J	mg/Kg	25	10/26/2007 11:16:27 AM
Barium	400	750	J	mg/Kg	25	10/26/2007 11:16:27 AM
Beryllium	ND	12		mg/Kg	25	10/26/2007 11:16:27 AM
Cadmium	ND	12		mg/Kg	25	10/26/2007 11:16:27 AM
Calcium	210000	1200		mg/Kg	25	10/26/2007 11:16:27 AM
Chromium	ND	120		mg/Kg	25	10/26/2007 11:16:27 AM
Cobalt	ND	120		mg/Kg	25	10/26/2007 11:16:27 AM
Copper	ND	50		mg/Kg	25	10/26/2007 11:16:27 AM
Iron	3200	75		mg/Kg	25	10/26/2007 11:16:27 AM
Lead	ND	250		mg/Kg	25	10/26/2007 11:16:27 AM
Magnesium	3900	1200		mg/Kg	25	10/26/2007 11:16:27 AM
Manganese	6000	50		mg/Kg	25	10/26/2007 11:16:27 AM
Nickel	ND	75		mg/Kg	25	10/26/2007 11:16:27 AM
Potassium	ND	1200		mg/Kg	25	10/26/2007 11:16:27 AM
Selenium*	ND	12		mg/Kg	25	10/26/2007 11:16:27 AM
Silver	ND	120		mg/Kg	25	10/26/2007 11:16:27 AM
Sodium	ND	1200		mg/Kg	25	10/26/2007 11:16:27 AM
Thallium*	ND	7.5		mg/Kg	25	10/26/2007 11:16:27 AM
Vanadium	ND	750		mg/Kg	25	10/26/2007 11:16:27 AM
Zinc	ND	25		mg/Kg	25	10/26/2007 11:16:27 AM

NOTES:
The reporting limits were raised due to the high concentration of target elements.

TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **DRP**
Mercury	0.010	0.200	J	mg/Kg	1	10/26/2007 2:48:23 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *27-Nov-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-11 @ 3'
Lab Order: U0711338
Collection Date: 11/14/2007 10:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711338-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	2800	5.8		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Antimony	ND	35		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Arsenic*	51	1.2		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Barium	190	35		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Beryllium	ND	0.58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Cadmium	83	0.58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Calcium	1400	58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Chromium	96	5.8		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Cobalt	41	5.8		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Copper	1100	2.3		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Iron	530000	87		mg/Kg-dry	25	11/20/2007 2:24:49 PM
Lead	610	12		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Magnesium	730	58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Manganese	1700	2.3		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Nickel	190	3.5		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Potassium	460	58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Selenium*	53	0.58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Silver	1	5.8	J	mg/Kg-dry	1	11/20/2007 1:46:09 PM
Sodium	ND	58		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Thallium*	ND	0.35		mg/Kg-dry	1	11/20/2007 1:46:09 PM
Vanadium	20	35	J	mg/Kg-dry	1	11/20/2007 1:46:09 PM
Zinc	330	1.2		mg/Kg-dry	1	11/20/2007 1:46:09 PM

NOTES:
The reporting limits were raised due to the high concentration of target element.

TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.085	0.233	J	mg/Kg-dry	1	11/20/2007 1:22:22 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	14.1	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *27-Nov-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: SS-1
Lab Order: U0711338
Collection Date: 11/14/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711338-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	8700	5.9		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Antimony	ND	36		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Arsenic*	15	1.2		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Barium	84	36		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Beryllium	ND	0.59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Cadmium	6.2	0.59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Calcium	6000	59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Chromium	27	5.9		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Cobalt	9.7	5.9		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Copper	48	2.4		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Iron	32000	3.6		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Lead	240	12		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Magnesium	3000	59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Manganese	790	2.4		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Nickel	33	3.6		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Potassium	1400	59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Selenium*	2.7	0.59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Silver	ND	5.9		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Sodium	ND	59		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Thallium*	ND	0.36		mg/Kg-dry	1	11/20/2007 1:50:06 PM
Vanadium	10	36	J	mg/Kg-dry	1	11/20/2007 1:50:06 PM
Zinc	230	1.2		mg/Kg-dry	1	11/20/2007 1:50:06 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.18	0.237	J	mg/Kg-dry	1	11/20/2007 12:58:16 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	15.6	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *27-Nov-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: SS-2
Lab Order: U0711338
Collection Date: 11/14/2007 12:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0711338-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	9500	6.0		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Antimony	ND	36		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Arsenic*	15	1.2		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Barium	110	36		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Beryllium	ND	0.60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Cadmium	5.6	0.60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Calcium	5900	60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Chromium	27	6.0		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Cobalt	10	6.0		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Copper	39	2.4		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Iron	31000	3.6		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Lead	120	12		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Magnesium	3500	60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Manganese	850	2.4		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Nickel	28	3.6		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Potassium	1400	60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Selenium*	1.3	0.60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Silver	ND	6.0		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Sodium	ND	60		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Thallium*	ND	0.36		mg/Kg-dry	1	11/20/2007 2:01:03 PM
Vanadium	20	36	J	mg/Kg-dry	1	11/20/2007 2:01:03 PM
Zinc	130	1.2		mg/Kg-dry	1	11/20/2007 2:01:03 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.064	0.241	J	mg/Kg-dry	1	11/20/2007 12:59:36 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	17.0	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *27-Nov-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: SS-3
Lab Order: U0711338
Collection Date: 11/14/2007 1:00:00 PM
Project: Friendship Foundry, Site #902017
Lab ID: U0711338-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	11000	6.0		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Antimony	ND	36		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Arsenic*	13	1.2		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Barium	77	36		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Beryllium	ND	0.60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Cadmium	4.1	0.60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Calcium	8600	60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Chromium	17	6.0		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Cobalt	11	6.0		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Copper	26	2.4		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Iron	24000	3.6		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Lead	33	12		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Magnesium	4100	60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Manganese	590	2.4		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Nickel	23	3.6		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Potassium	1900	60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Selenium*	ND	0.60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Silver	24	6.0		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Sodium	ND	60		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Thallium*	ND	0.36		mg/Kg-dry	1	11/20/2007 2:08:30 PM
Vanadium	20	36	J	mg/Kg-dry	1	11/20/2007 2:08:30 PM
Zinc	92	1.2		mg/Kg-dry	1	11/20/2007 2:08:30 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.032	0.241	J	mg/Kg-dry	1	11/20/2007 1:01:06 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	16.9	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-12 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 11:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-001
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
SOIL AND SOLID METALS BY ICP		**SW6010B**		**(SW3050A)**		Analyst: **EA**
Aluminum	6600	5.7		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Antimony	ND	34		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Arsenic*	12	1.1		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Barium	63	34		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Beryllium	ND	0.57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Cadmium	3.8	0.57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Calcium	3600	57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Chromium	12	5.7		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Cobalt	7.1	5.7		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Copper	18	2.3		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Iron	20000	3.4		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Lead	32	11		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Magnesium	3000	57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Manganese	430	2.3		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Nickel	17	3.4		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Potassium	950	57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Selenium*	4.0	0.57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Silver	ND	5.7		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Sodium	ND	57		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Thallium*	ND	0.34		mg/Kg-dry	1	11/26/2007 1:41:22 PM
Vanadium	9	34	J	mg/Kg-dry	1	11/26/2007 1:41:22 PM
Zinc	81	1.1		mg/Kg-dry	1	11/26/2007 1:41:22 PM
TOTAL MERCURY - SOIL/SOLID/WASTE		**SW7471A**		**(SW7471A)**		Analyst: **EA**
Mercury	0.074	0.226	J	mg/Kg-dry	1	11/26/2007 2:48:58 PM
PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	11.6	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-13 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 10:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
1,2,4-Trichlorobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
1,2-Dichlorobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
1,3-Dichlorobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
1,4-Dichlorobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4,5-Trichlorophenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4,6-Trichlorophenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4-Dichlorophenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4-Dimethylphenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4-Dinitrophenol	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,4-Dinitrotoluene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2,6-Dinitrotoluene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Chloronaphthalene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Chlorophenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Methylnaphthalene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Methylphenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Nitroaniline	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
2-Nitrophenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
3,3´-Dichlorobenzidine	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
3-Nitroaniline	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4,6-Dinitro-2-methylphenol	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Bromophenyl phenyl ether	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Chloro-3-methylphenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Chloroaniline	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Chlorophenyl phenyl ether	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Nitroaniline	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
4-Nitrophenol	ND	42000		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Acenaphthene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Acenaphthylene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Anthracene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Benz(a)anthracene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Benzo(a)pyrene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Benzo(b)fluoranthene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Benzo(g,h,i)perylene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Benzo(k)fluoranthene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Bis(2-chloroethoxy)methane	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Bis(2-chloroethyl)ether	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Bis(2-chloroisopropyl)ether	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Bis(2-ethylhexyl)phthalate	8600	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-13 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 10:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-002
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Butyl benzyl phthalate	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Carbazole	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Chrysene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Di-n-butyl phthalate	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Di-n-octyl phthalate	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Dibenz(a,h)anthracene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Dibenzofuran	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Diethyl phthalate	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Dimethyl phthalate	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Fluoranthene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Fluorene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Hexachlorobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Hexachlorobutadiene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Hexachlorocyclopentadiene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Hexachloroethane	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Indeno(1,2,3-cd)pyrene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Isophorone	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
N-Nitrosodi-n-propylamine	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
N-Nitrosodiphenylamine	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Naphthalene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Nitrobenzene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Pentachlorophenol	ND	8600		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Phenanthrene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Phenol	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM
Pyrene	ND	4200		µg/Kg-dry	10	11/30/2007 1:14:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	21.8	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-14 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 10:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Benz(a)anthracene	3000	3800	J	µg/Kg-dry	10	11/30/2007 1:56:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Benzo(b)fluoranthene	4100	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Benzo(g,h,i)perylene	2000	3800	J	µg/Kg-dry	10	11/30/2007 1:56:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Bis(2-ethylhexyl)phthalate	5200	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-14 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 10:30:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-003
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Chrysene	3000	3800	J	µg/Kg-dry	10	11/30/2007 1:56:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Fluoranthene	6700	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Hexachloroethane	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Naphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Pentachlorophenol	ND	7700		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Phenanthrene	2000	3800	J	µg/Kg-dry	10	11/30/2007 1:56:00 PM
Phenol	ND	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM
Pyrene	5600	3800		µg/Kg-dry	10	11/30/2007 1:56:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	12.6	0.00100		wt%	1	11/26/2007

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-15 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
(3+4)-Methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
1,2,4-Trichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
1,2-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
1,3-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
1,4-Dichlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4,5-Trichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4,6-Trichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4-Dichlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4-Dimethylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4-Dinitrophenol	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,4-Dinitrotoluene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2,6-Dinitrotoluene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Chloronaphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Chlorophenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Methylnaphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
2-Nitrophenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
3,3´-Dichlorobenzidine	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
3-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4,6-Dinitro-2-methylphenol	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Bromophenyl phenyl ether	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Chloro-3-methylphenol	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Chloroaniline	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Chlorophenyl phenyl ether	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Nitroaniline	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
4-Nitrophenol	ND	38000		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Acenaphthene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Acenaphthylene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Anthracene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Benz(a)anthracene	600	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM
Benzo(a)pyrene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Benzo(b)fluoranthene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Benzo(g,h,i)perylene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Benzo(k)fluoranthene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Bis(2-chloroethoxy)methane	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Bis(2-chloroethyl)ether	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Bis(2-chloroisopropyl)ether	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Bis(2-ethylhexyl)phthalate	9300	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *03-Dec-07*

CLIENT: NYSDEC - Region 9
Client Sample ID: B-15 @ 2'
Lab Order: U0711373
Collection Date: 11/15/2007 11:00:00 AM
Project: Friendship Foundry, Site #902017
Lab ID: U0711373-004
Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3550A)**		Analyst: **LD**
Butyl benzyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Carbazole	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Chrysene	800	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM
Di-n-butyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Di-n-octyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Dibenz(a,h)anthracene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Dibenzofuran	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Diethyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Dimethyl phthalate	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Fluoranthene	1000	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM
Fluorene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Hexachlorobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Hexachlorobutadiene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Hexachlorocyclopentadiene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Hexachloroethane	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Indeno(1,2,3-cd)pyrene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Isophorone	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
N-Nitrosodi-n-propylamine	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
N-Nitrosodiphenylamine	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Naphthalene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Nitrobenzene	ND	3800		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Pentachlorophenol	ND	7700		µg/Kg-dry	10	11/30/2007 2:38:00 PM
Phenanthrene	500	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM
Phenol	800	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM
Pyrene	1000	3800	J	µg/Kg-dry	10	11/30/2007 2:38:00 PM

NOTES:
The reporting limits were raised due to matrix interference.

PERCENT MOISTURE		**D2216**				Analyst: **KAM**
Percent Moisture	13.1	0.00100		wt%	1	11/26/2007

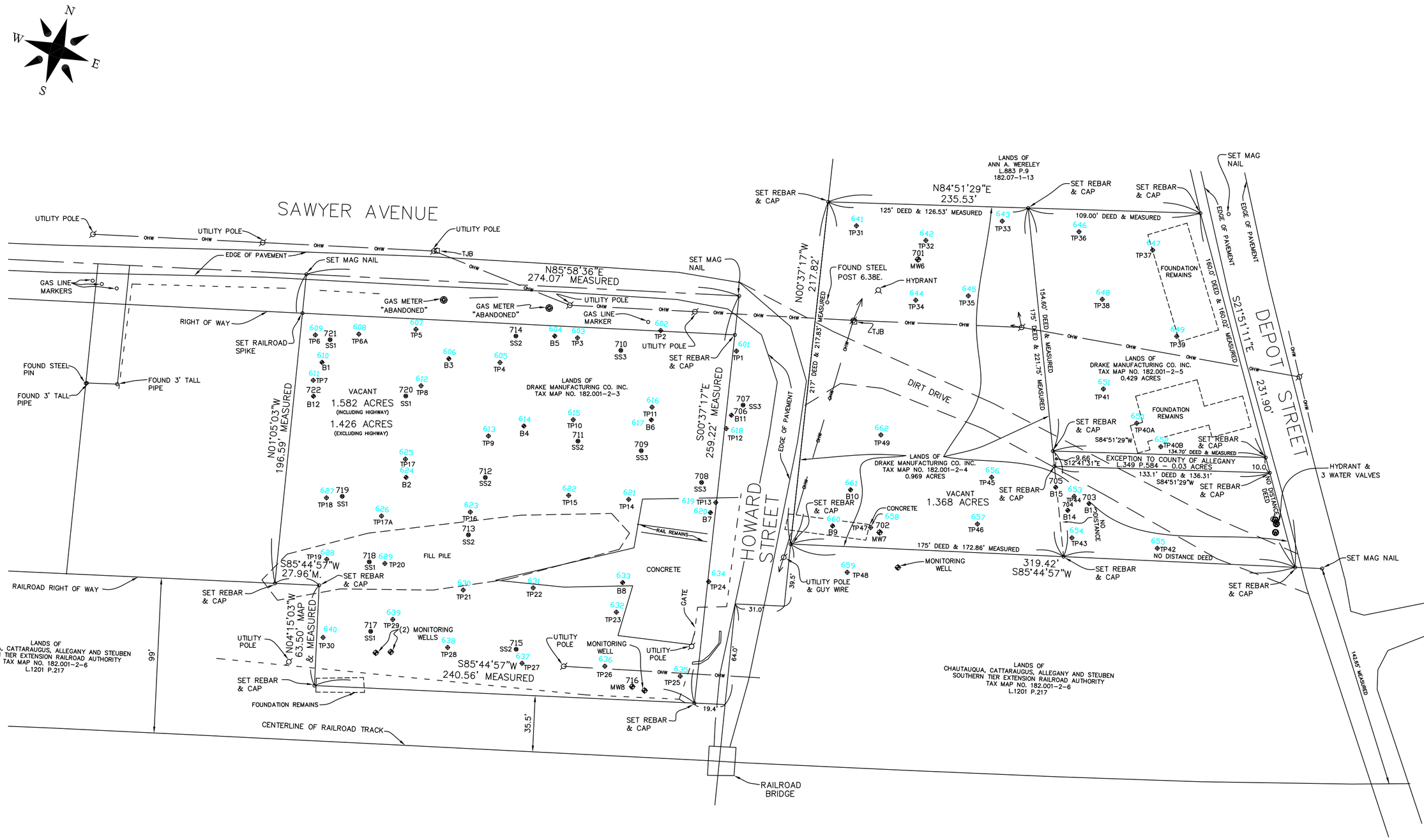
Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Appendix B

Survey Drawings



REVISED 1/15/08: LOCATE MONITORING WELLS & BORE HOLESS

REVISED 10/30/07: LOCATE TEST PITS & BORE HOLES

REVISED 8/26/07: ADD BEARINGS, ADDITIONAL UP'S & MONITORING WELLS, AMEND TYPOS

SURVEY

DRAKE MANUFACTURING CO.
PART OF LOT NO. 36
TOWN OF FRIENDSHIP
COUNTY OF ALLEGANY
STATE OF NEW YORK

CREEKSIDE BOUNDARY

1746 HIGGINS ROAD
WARSAW, NEW YORK 14569
PH: 585-786-5640 FAX: 585-786-5649

SCALE: 1" = 40'	DATE: 8/1/07	C:\SURV\WORK07
DWN BY: MAC	CKD BY:	JOB NO.: 182.001-2

NOTE:
- BEARING SYSTEM REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83, 3103 NY WEST.

REFERENCE DATA:
- ERIE RAILROAD COMPANY VALUATION MAP NO. V-8-NY/161, FIRST DATED JUNE 30, 1918.
- LANDS TO BE ACQUIRED BY THE NEW YORK STATE DEPARTMENT OF PUBLIC WORKS, DATED JUNE 14, 1941.
- LANDS OF FAY AND BARBARA HASKELL, DATED DECEMBER 20 & 21, 1988, BY JAMES B. BALL, LS.

MW12 = MONITORING WELL

= INDICATES BORE HOLE LOCATION

= INDICATES TEST PIT LOCATION

TP = TEST PIT

—— —— = CHAIN LINK FENCE

M. = MEASURED

TJB = TELEPHONE JUNCTION BOX

MICHELE A. CLARK
NEW YORK STATE PROFESSIONAL
LAND SURVEYOR
LICENSE NUMBER 50459

N
W E
S

RAILROAD RIGHT OF WAY
CENTERLINE OF RAILROAD TRACK
RAILROAD BRIDGE
LANDS OF CHAUTAUQUA, CATTARAUGUS, ALLEGANY AND STEUBEN SOUTHERN TIER EXTENSION RAILROAD AUTHORITY TAX MAP NO. 182.001-2-6 L.1201 P.217
49.50
SET REBAR
L=676.51'M. R=2815.43'
APPROXIMATE CENTERLINE LOCATION OF THE PITTSBURG, SHAWMUT AND NORTHERN RAILROAD
671 TP14
725 MW9 TP14
670
S76°40'32"W 245.93'M.
667 TP15
666 TP15
FORMERLY A PORTION OF LANDS OF ELBA R. STUCK & ALICE L. STUCK L.375 P.341
UTILITY POLE
OHW
TRAILER
GAS METER
TJB
16.00'M. S01°38'41"E
CENTERLINE OF RAIL REMAINS
24.75
ELMWOOD AVENUE (AKA ELM STREET) (AKA QUEEN ANN STREET)
672 TP11
673 TP11
678 TP7
677 TP7
726 MW10
692 TP3
691 TP3
669 TP13
668 TP13
674 TP10
675 TP10
679 TP6
680 TP6
LANDS OF DRAKE MANUFACTURING CO. INC. L. 533 P. 346 TAX MAP NO. 182.11-1-14
LANDS OF TODD HADSELL L.1147 P.144
FOUND STEEL PIN
231.79' DEED & MEASURED
CONCRETE HEADWALL REMAINS
N41°06'59"W 76.56'M.
LANDS OF ALLEGANY COUNTY L.324 P.283
FOUND REBAR & CAP
697 TP12
S08°56'48"E 159.25'M.
85.08' DEED & MEASURED
LANDS OF CAROLINE WHITE-BALL L.1238 P.190
681 TP2
682 TP2
683 TP1
690 TP1
676 TP9
689 TP9
684 TP5
685 TP5
696 TP8
695 TP8
728 MW12
S85°53'17"W 51.91'M.
220.79' DEED & MEASURED
272.71' DEED & MEASURED
TOP OF BANK
FOUND REBAR ON LINE N/S ON LINE E/W
SET REBAR
RIGHT OF WAY
EDGE OF PAVEMENT
CENTERLINE
16.50
CENTERLINE OF MAPLE STREET (AKA ERIE STREET) (AKA WISNER STREET)
694 TP4
2.90 ACRES (INCLUDING HIGHWAY)
2.89 ACRES (EXCLUDING HIGHWAY)
693 727 TP4 MW11
N34°13'10"W 73.08'M.
N27°44'25"W 68.61'M.
CENTERLINE OF NORTH BRANCH CREEK LOCATED AUGUST 7 2007 (AKA NORTH BRANCH VAN CAMPEN CREEK) (L.489 P.573)
N32°24'58"W 99.30'M.
N43°24'10"W 106.49'M.
LANDS OF BRENT & SHELLY HARRIS L.1273 P.281
LANDS OF CORNERSTONE HOMES INC. L.1540 P.336
FORMER EAST LINE OF EMPIRE SASH & DOOR & FORMER EAST LINE OF GEORGE SKIFF
S03°05'38"E 224.42'M.
224.42' DEED & MEASURED
FRAME SHED
10.04
12.65
2 STORY HOUSE
FOUND REBAR
FOUND NAIL
LANDS OF SAMUEL H. STIVES, JR. & BETTY J. STIVES L.583 P.88
LANDS OF STANLEY R. HARRIS & CAROL W. HARRIS L.995 P.335
S69°38'42"W 158.72'M.

REVISED 1/15/08: LOCATE MONITORING WELLS & BORE HOLESS

REVISED 10/30/07: LOCATE TEST PITS & BORE HOLES

REVISED 8/26/07: ADD BEARINGS, DEED REFERENCES

SURVEY

DRAKE MANUFACTURING CO.
PART OF LOT NO. 36
TOWN OF FRIENDSHIP
COUNTY OF ALLEGANY
STATE OF NEW YORK

CREEKSIDE BOUNDARY
1746 HIGGINS ROAD
WARSAW, NEW YORK 14569
PH: 585-786-5640 FAX: 585-786-5649

SCALE: 1" = 40'	DATE: 8/1/07	C:\SURV\WORK07
DWN BY: MAC	CKD BY: MAC	JOB NO.: 182.11-2-14

MICHELE A. CLARK
NEW YORK STATE PROFESSIONAL LAND SURVEYOR
LICENSE NUMBER 50459

NOTE:
- BEARING SYSTEM REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, NAD 83, 3103 NY WEST.

REFERENCE DATA:
- ERIE RAILROAD COMPANY VALUATION MAP NO. V-8-NY/161, FIRST DATED JUNE 30, 1918.
- RIGHT OF WAY & TRACK MAP NO. 25 OF THE MAIN LINE FOR THE PITTSBURG, SHAWMUT & NORTHERN RAILROAD COMPANY, DATED JUNE 30, 1919.
- ALLEGANY COUNTY CLERK'S ABSTRACT NO. 1434 - FRIENDSHIP, DATED FROM APRIL 27, 1925 TO OCTOBER 14, 1959.
- MAP OF LANDS OF FAY AND BARBARA HASKELL, DATED DECEMBER 22, 1988, BY JAMES BALL, LS.
- MAP OF LANDS OF STANLEY & CAROL W. HARRIS, DATED JULY 31, 1987 BY JAMES BALL, LS.
- MAP OF LANDS AT 16 ELMWOOD AVENUE, DATED AUGUST 6, 1991 BY JAMES BALL,LS.

MW12 = MONITORING WELL

NOTE: THERE IS ONLY ONE SHOT FOR TEST PIT 12

TP = TEST PIT
⊕ = INDICATES END OF TEST PIT. BOTH ENDS OF TEST PIT LOCATED.

—— —— = CHAIN LINK FENCE
M. = MEASURED
TJB = TELEPHONE JUNCTION BOX

Appendix C

Groundwater Analytical Data
(Raw Data)

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-6
Lab Order: U0712474
Collection Date: 12/26/2007 12:50:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	ND	0.050		mg/L	1	1/3/2008 11:42:46 AM
Antimony*	ND	0.003		mg/L	1	1/3/2008 11:42:46 AM
Arsenic*	0.009	0.010	J	mg/L	1	1/3/2008 11:42:46 AM
Barium	ND	0.30		mg/L	1	1/3/2008 11:42:46 AM
Beryllium	ND	0.005		mg/L	1	1/3/2008 11:42:46 AM
Cadmium	ND	0.005		mg/L	1	1/3/2008 11:42:46 AM
Calcium	70	0.50		mg/L	1	1/3/2008 11:42:46 AM
Chromium	ND	0.050		mg/L	1	1/3/2008 11:42:46 AM
Cobalt	ND	0.050		mg/L	1	1/3/2008 11:42:46 AM
Copper	ND	0.020		mg/L	1	1/3/2008 11:42:46 AM
Iron	0.031	0.030		mg/L	1	1/3/2008 11:42:46 AM
Lead*	ND	0.003		mg/L	1	1/3/2008 11:42:46 AM
Magnesium	14	0.50		mg/L	1	1/3/2008 11:42:46 AM
Manganese	ND	0.020		mg/L	1	1/3/2008 11:42:46 AM
Nickel	ND	0.030		mg/L	1	1/3/2008 11:42:46 AM
Potassium	1.8	0.50		mg/L	1	1/3/2008 11:42:46 AM
Selenium*	ND	0.005		mg/L	1	1/3/2008 11:42:46 AM
Silver	ND	0.050		mg/L	1	1/3/2008 11:42:46 AM
Sodium	18	0.50		mg/L	1	1/3/2008 11:42:46 AM
Thallium*	0.009	0.003		mg/L	1	1/3/2008 11:42:46 AM
Vanadium	ND	0.30		mg/L	1	1/3/2008 11:42:46 AM
Zinc	ND	0.010		mg/L	1	1/3/2008 11:42:46 AM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:12:55 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-6
Lab Order: U0712474
Collection Date: 12/26/2007 12:50:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 2:22:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 2:22:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 2:22:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 2:22:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 2:22:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 2:22:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Bis(2-ethylhexyl)phthalate	3	5.0	J	µg/L	1	1/4/2008 2:22:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-6
Lab Order: U0712474
Collection Date: 12/26/2007 12:50:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 2:22:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 2:22:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 6:23:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 6:23:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 6:23:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 6:23:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-6
Lab Order: U0712474
Collection Date: 12/26/2007 12:50:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-001
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 6:23:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 6:23:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	1/3/2008

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	MW-8
Lab Order:	U0712474	**Collection Date:**	12/26/2007 1:10:00 PM
Project:	Friendship Foundry, hw902017		
Lab ID:	U0712474-002	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.26	0.050		mg/L	1	1/3/2008 11:46:18 AM
Antimony*	ND	0.003		mg/L	1	1/3/2008 11:46:18 AM
Arsenic*	0.016	0.010		mg/L	1	1/3/2008 11:46:18 AM
Barium	ND	0.30		mg/L	1	1/3/2008 11:46:18 AM
Beryllium	ND	0.005		mg/L	1	1/3/2008 11:46:18 AM
Cadmium	ND	0.005		mg/L	1	1/3/2008 11:46:18 AM
Calcium	66	0.50		mg/L	1	1/3/2008 11:46:18 AM
Chromium	ND	0.050		mg/L	1	1/3/2008 11:46:18 AM
Cobalt	ND	0.050		mg/L	1	1/3/2008 11:46:18 AM
Copper	ND	0.020		mg/L	1	1/3/2008 11:46:18 AM
Iron	0.49	0.030		mg/L	1	1/3/2008 11:46:18 AM
Lead*	ND	0.003		mg/L	1	1/3/2008 11:46:18 AM
Magnesium	16	0.50		mg/L	1	1/3/2008 11:46:18 AM
Manganese	0.058	0.020		mg/L	1	1/3/2008 11:46:18 AM
Nickel	ND	0.030		mg/L	1	1/3/2008 11:46:18 AM
Potassium	2.0	0.50		mg/L	1	1/3/2008 11:46:18 AM
Selenium*	ND	0.005		mg/L	1	1/3/2008 11:46:18 AM
Silver	ND	0.050		mg/L	1	1/3/2008 11:46:18 AM
Sodium	53	0.50		mg/L	1	1/3/2008 11:46:18 AM
Thallium*	0.008	0.003		mg/L	1	1/3/2008 11:46:18 AM
Vanadium	ND	0.30		mg/L	1	1/3/2008 11:46:18 AM
Zinc	ND	0.010		mg/L	1	1/3/2008 11:46:18 AM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:16:42 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-8
Lab Order: U0712474
Collection Date: 12/26/2007 1:10:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 3:04:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:04:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:04:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 3:04:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:04:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 3:04:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Bis(2-ethylhexyl)phthalate	3	5.0	J	µg/L	1	1/4/2008 3:04:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-8
Lab Order: U0712474
Collection Date: 12/26/2007 1:10:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 3:04:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 3:04:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 7:01:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 7:01:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 7:01:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 7:01:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-8
Lab Order: U0712474
Collection Date: 12/26/2007 1:10:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-002
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 7:01:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 7:01:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	1/3/2008

Approved By: **Date:**

Qualifiers:

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B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-3d
Lab Order: U0712474
Collection Date: 12/26/2007 1:25:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.72	0.050		mg/L	1	1/3/2008 11:49:52 AM
Antimony*	ND	0.003		mg/L	1	1/3/2008 11:49:52 AM
Arsenic*	0.028	0.010		mg/L	1	1/3/2008 11:49:52 AM
Barium	0.2	0.30	J	mg/L	1	1/3/2008 11:49:52 AM
Beryllium	ND	0.005		mg/L	1	1/3/2008 11:49:52 AM
Cadmium	ND	0.005		mg/L	1	1/3/2008 11:49:52 AM
Calcium	53	0.50		mg/L	1	1/3/2008 11:49:52 AM
Chromium	ND	0.050		mg/L	1	1/3/2008 11:49:52 AM
Cobalt	ND	0.050		mg/L	1	1/3/2008 11:49:52 AM
Copper	ND	0.020		mg/L	1	1/3/2008 11:49:52 AM
Iron	1.2	0.030		mg/L	1	1/3/2008 11:49:52 AM
Lead*	ND	0.003		mg/L	1	1/3/2008 11:49:52 AM
Magnesium	11	0.50		mg/L	1	1/3/2008 11:49:52 AM
Manganese	0.52	0.020		mg/L	1	1/3/2008 11:49:52 AM
Nickel	ND	0.030		mg/L	1	1/3/2008 11:49:52 AM
Potassium	1.2	0.50		mg/L	1	1/3/2008 11:49:52 AM
Selenium*	ND	0.005		mg/L	1	1/3/2008 11:49:52 AM
Silver	ND	0.050		mg/L	1	1/3/2008 11:49:52 AM
Sodium	14	0.50		mg/L	1	1/3/2008 11:49:52 AM
Thallium*	0.017	0.003		mg/L	1	1/3/2008 11:49:52 AM
Vanadium	ND	0.30		mg/L	1	1/3/2008 11:49:52 AM
Zinc	ND	0.010		mg/L	1	1/3/2008 11:49:52 AM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:17:50 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-3d
Lab Order: U0712474
Collection Date: 12/26/2007 1:25:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 3:45:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:45:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:45:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 3:45:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 3:45:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 3:45:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Bis(2-ethylhexyl)phthalate	5	5.0	J	µg/L	1	1/4/2008 3:45:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-3d
Lab Order: U0712474
Collection Date: 12/26/2007 1:25:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-003
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 3:45:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 3:45:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 7:38:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 7:38:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 7:38:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 7:38:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	MW-3d
Lab Order:	U0712474	**Collection Date:**	12/26/2007 1:25:00 PM
Project:	Friendship Foundry, hw902017		
Lab ID:	U0712474-003	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 7:38:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 7:38:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	1/3/2008

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-2
Lab Order: U0712474
Collection Date: 12/26/2007 1:40:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.28	0.050		mg/L	1	1/3/2008 11:53:25 AM
Antimony*	ND	0.003		mg/L	1	1/3/2008 11:53:25 AM
Arsenic*	0.005	0.010	J	mg/L	1	1/3/2008 11:53:25 AM
Barium	ND	0.30		mg/L	1	1/3/2008 11:53:25 AM
Beryllium	ND	0.005		mg/L	1	1/3/2008 11:53:25 AM
Cadmium	ND	0.005		mg/L	1	1/3/2008 11:53:25 AM
Calcium	24	0.50		mg/L	1	1/3/2008 11:53:25 AM
Chromium	ND	0.050		mg/L	1	1/3/2008 11:53:25 AM
Cobalt	ND	0.050		mg/L	1	1/3/2008 11:53:25 AM
Copper	ND	0.020		mg/L	1	1/3/2008 11:53:25 AM
Iron	0.43	0.030		mg/L	1	1/3/2008 11:53:25 AM
Lead*	ND	0.003		mg/L	1	1/3/2008 11:53:25 AM
Magnesium	3.4	0.50		mg/L	1	1/3/2008 11:53:25 AM
Manganese	0.01	0.020	J	mg/L	1	1/3/2008 11:53:25 AM
Nickel	ND	0.030		mg/L	1	1/3/2008 11:53:25 AM
Potassium	3.2	0.50		mg/L	1	1/3/2008 11:53:25 AM
Selenium*	ND	0.005		mg/L	1	1/3/2008 11:53:25 AM
Silver	ND	0.050		mg/L	1	1/3/2008 11:53:25 AM
Sodium	61	0.50		mg/L	1	1/3/2008 11:53:25 AM
Thallium*	0.002	0.003	J	mg/L	1	1/3/2008 11:53:25 AM
Vanadium	ND	0.30		mg/L	1	1/3/2008 11:53:25 AM
Zinc	ND	0.010		mg/L	1	1/3/2008 11:53:25 AM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:19:22 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-2
Lab Order: U0712474
Collection Date: 12/26/2007 1:40:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 4:26:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 4:26:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 4:26:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 4:26:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 4:26:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 4:26:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Bis(2-ethylhexyl)phthalate	3	5.0	J	µg/L	1	1/4/2008 4:26:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-2
Lab Order: U0712474
Collection Date: 12/26/2007 1:40:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 4:26:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 4:26:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 8:16:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 8:16:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 8:16:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 8:16:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-2
Lab Order: U0712474
Collection Date: 12/26/2007 1:40:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-004
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 8:16:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 8:16:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	0.005	0.005		mg/L	1	1/3/2008

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	MW-9
Lab Order:	U0712474	**Collection Date:**	12/26/2007 2:05:00 PM
Project:	Friendship Foundry, hw902017		
Lab ID:	U0712474-005	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.45	0.050		mg/L	1	1/3/2008 11:56:58 AM
Antimony*	ND	0.003		mg/L	1	1/3/2008 11:56:58 AM
Arsenic*	0.009	0.010	J	mg/L	1	1/3/2008 11:56:58 AM
Barium	ND	0.30		mg/L	1	1/3/2008 11:56:58 AM
Beryllium	ND	0.005		mg/L	1	1/3/2008 11:56:58 AM
Cadmium	ND	0.005		mg/L	1	1/3/2008 11:56:58 AM
Calcium	54	0.50		mg/L	1	1/3/2008 11:56:58 AM
Chromium	ND	0.050		mg/L	1	1/3/2008 11:56:58 AM
Cobalt	ND	0.050		mg/L	1	1/3/2008 11:56:58 AM
Copper	ND	0.020		mg/L	1	1/3/2008 11:56:58 AM
Iron	0.80	0.030		mg/L	1	1/3/2008 11:56:58 AM
Lead*	0.002	0.003	J	mg/L	1	1/3/2008 11:56:58 AM
Magnesium	10	0.50		mg/L	1	1/3/2008 11:56:58 AM
Manganese	0.082	0.020		mg/L	1	1/3/2008 11:56:58 AM
Nickel	ND	0.030		mg/L	1	1/3/2008 11:56:58 AM
Potassium	1.5	0.50		mg/L	1	1/3/2008 11:56:58 AM
Selenium*	ND	0.005		mg/L	1	1/3/2008 11:56:58 AM
Silver	ND	0.050		mg/L	1	1/3/2008 11:56:58 AM
Sodium	9.2	0.50		mg/L	1	1/3/2008 11:56:58 AM
Thallium*	0.008	0.003		mg/L	1	1/3/2008 11:56:58 AM
Vanadium	ND	0.30		mg/L	1	1/3/2008 11:56:58 AM
Zinc	0.023	0.010		mg/L	1	1/3/2008 11:56:58 AM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:20:22 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-9
Lab Order: U0712474
Collection Date: 12/26/2007 2:05:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-005
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 5:09:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:09:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:09:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 5:09:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:09:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 5:09:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Bis(2-ethylhexyl)phthalate	6.3	5.0		µg/L	1	1/4/2008 5:09:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-9
Lab Order: U0712474
Collection Date: 12/26/2007 2:05:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-005
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 5:09:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 5:09:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 8:54:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 8:54:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 8:54:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 8:54:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	MW-9
Lab Order:	U0712474	**Collection Date:**	12/26/2007 2:05:00 PM
Project:	Friendship Foundry, hw902017		
Lab ID:	U0712474-005	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 8:54:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 8:54:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	1/3/2008

Approved By: _____ **Date:** _____

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT:	NYSDEC - Region 9	**Client Sample ID:**	MW-10
Lab Order:	U0712474	**Collection Date:**	12/26/2007 2:30:00 PM
Project:	Friendship Foundry, hw902017		
Lab ID:	U0712474-006	**Matrix:**	GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	ND	0.050		mg/L	1	1/3/2008 12:00:29 PM
Antimony*	ND	0.003		mg/L	1	1/3/2008 12:00:29 PM
Arsenic*	0.007	0.010	J	mg/L	1	1/3/2008 12:00:29 PM
Barium	ND	0.30		mg/L	1	1/3/2008 12:00:29 PM
Beryllium	ND	0.005		mg/L	1	1/3/2008 12:00:29 PM
Cadmium	ND	0.005		mg/L	1	1/3/2008 12:00:29 PM
Calcium	62	0.50		mg/L	1	1/3/2008 12:00:29 PM
Chromium	ND	0.050		mg/L	1	1/3/2008 12:00:29 PM
Cobalt	ND	0.050		mg/L	1	1/3/2008 12:00:29 PM
Copper	ND	0.020		mg/L	1	1/3/2008 12:00:29 PM
Iron	0.067	0.030		mg/L	1	1/3/2008 12:00:29 PM
Lead*	ND	0.003		mg/L	1	1/3/2008 12:00:29 PM
Magnesium	11	0.50		mg/L	1	1/3/2008 12:00:29 PM
Manganese	0.43	0.020		mg/L	1	1/3/2008 12:00:29 PM
Nickel	ND	0.030		mg/L	1	1/3/2008 12:00:29 PM
Potassium	2.1	0.50		mg/L	1	1/3/2008 12:00:29 PM
Selenium*	ND	0.005		mg/L	1	1/3/2008 12:00:29 PM
Silver	ND	0.050		mg/L	1	1/3/2008 12:00:29 PM
Sodium	24	0.50		mg/L	1	1/3/2008 12:00:29 PM
Thallium*	0.008	0.003		mg/L	1	1/3/2008 12:00:29 PM
Vanadium	ND	0.30		mg/L	1	1/3/2008 12:00:29 PM
Zinc	ND	0.010		mg/L	1	1/3/2008 12:00:29 PM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:21:32 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-10
Lab Order: U0712474
Collection Date: 12/26/2007 2:30:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-006
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 5:51:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:51:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:51:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 5:51:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 5:51:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 5:51:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Bis(2-ethylhexyl)phthalate	4	5.0	J	µg/L	1	1/4/2008 5:51:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-10
Lab Order: U0712474
Collection Date: 12/26/2007 2:30:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-006
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 5:51:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 5:51:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 9:32:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 9:32:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 9:32:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 9:32:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-10
Lab Order: U0712474
Collection Date: 12/26/2007 2:30:00 PM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-006
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 9:32:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 9:32:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	0.011	0.005		mg/L	1	1/3/2008

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-12
Lab Order: U0712474
Collection Date: 12/27/2007 9:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.26	0.050		mg/L	1	1/3/2008 12:03:55 PM
Antimony*	ND	0.003		mg/L	1	1/3/2008 12:03:55 PM
Arsenic*	0.012	0.010		mg/L	1	1/3/2008 12:03:55 PM
Barium	ND	0.30		mg/L	1	1/3/2008 12:03:55 PM
Beryllium	ND	0.005		mg/L	1	1/3/2008 12:03:55 PM
Cadmium	ND	0.005		mg/L	1	1/3/2008 12:03:55 PM
Calcium	54	0.50		mg/L	1	1/3/2008 12:03:55 PM
Chromium	ND	0.050		mg/L	1	1/3/2008 12:03:55 PM
Cobalt	ND	0.050		mg/L	1	1/3/2008 12:03:55 PM
Copper	ND	0.020		mg/L	1	1/3/2008 12:03:55 PM
Iron	0.45	0.030		mg/L	1	1/3/2008 12:03:55 PM
Lead*	ND	0.003		mg/L	1	1/3/2008 12:03:55 PM
Magnesium	12	0.50		mg/L	1	1/3/2008 12:03:55 PM
Manganese	0.27	0.020		mg/L	1	1/3/2008 12:03:55 PM
Nickel	ND	0.030		mg/L	1	1/3/2008 12:03:55 PM
Potassium	2.2	0.50		mg/L	1	1/3/2008 12:03:55 PM
Selenium*	ND	0.005		mg/L	1	1/3/2008 12:03:55 PM
Silver	ND	0.050		mg/L	1	1/3/2008 12:03:55 PM
Sodium	27	0.50		mg/L	1	1/3/2008 12:03:55 PM
Thallium*	0.008	0.003		mg/L	1	1/3/2008 12:03:55 PM
Vanadium	ND	0.30		mg/L	1	1/3/2008 12:03:55 PM
Zinc	0.012	0.010		mg/L	1	1/3/2008 12:03:55 PM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	0.0002	0.0004	J	mg/L	1	1/3/2008 8:23:32 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-12
Lab Order: U0712474
Collection Date: 12/27/2007 9:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 6:33:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 6:33:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 6:33:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 6:33:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 6:33:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 6:33:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Bis(2-ethylhexyl)phthalate	4	5.0	J	µg/L	1	1/4/2008 6:33:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-12
Lab Order: U0712474
Collection Date: 12/27/2007 9:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 6:33:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 6:33:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 10:09:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 10:09:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 10:09:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 10:09:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-12
Lab Order: U0712474
Collection Date: 12/27/2007 9:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-007
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 10:09:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 10:09:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	0.007	0.005		mg/L	1	1/3/2008

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-11
Lab Order: U0712474
Collection Date: 12/27/2007 10:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-008
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWAT		**SW8082**		**(SW3510B)**		Analyst: **KC**
Aroclor 1016	ND	0.050		µg/L	1	1/5/2008
Aroclor 1221	ND	0.050		µg/L	1	1/5/2008
Aroclor 1232	ND	0.050		µg/L	1	1/5/2008
Aroclor 1242	ND	0.050		µg/L	1	1/5/2008
Aroclor 1248	ND	0.050		µg/L	1	1/5/2008
Aroclor 1254	ND	0.050		µg/L	1	1/5/2008
Aroclor 1260	ND	0.050		µg/L	1	1/5/2008
ICP METALS, TOTALS		**E200.7**		**(E200.7)**		Analyst: **EA**
Aluminum	0.60	0.050		mg/L	1	1/3/2008 12:07:19 PM
Antimony*	ND	0.003		mg/L	1	1/3/2008 12:07:19 PM
Arsenic*	0.015	0.010		mg/L	1	1/3/2008 12:07:19 PM
Barium	0.2	0.30	J	mg/L	1	1/3/2008 12:07:19 PM
Beryllium	ND	0.005		mg/L	1	1/3/2008 12:07:19 PM
Cadmium	ND	0.005		mg/L	1	1/3/2008 12:07:19 PM
Calcium	85	0.50		mg/L	1	1/3/2008 12:07:19 PM
Chromium	ND	0.050		mg/L	1	1/3/2008 12:07:19 PM
Cobalt	ND	0.050		mg/L	1	1/3/2008 12:07:19 PM
Copper	0.020	0.020		mg/L	1	1/3/2008 12:07:19 PM
Iron	1.5	0.030		mg/L	1	1/3/2008 12:07:19 PM
Lead*	ND	0.003		mg/L	1	1/3/2008 12:07:19 PM
Magnesium	20	0.50		mg/L	1	1/3/2008 12:07:19 PM
Manganese	0.91	0.020		mg/L	1	1/3/2008 12:07:19 PM
Nickel	ND	0.030		mg/L	1	1/3/2008 12:07:19 PM
Potassium	2.1	0.50		mg/L	1	1/3/2008 12:07:19 PM
Selenium*	ND	0.005		mg/L	1	1/3/2008 12:07:19 PM
Silver	ND	0.050		mg/L	1	1/3/2008 12:07:19 PM
Sodium	30	0.50		mg/L	1	1/3/2008 12:07:19 PM
Thallium*	0.011	0.003		mg/L	1	1/3/2008 12:07:19 PM
Vanadium	ND	0.30		mg/L	1	1/3/2008 12:07:19 PM
Zinc	0.016	0.010		mg/L	1	1/3/2008 12:07:19 PM
TOTAL MERCURY WATERS		**E245.2**		**(E245.2)**		Analyst: **EA**
Mercury	ND	0.0004		mg/L	1	1/3/2008 8:26:59 AM
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
(3+4)-Methylphenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-11
Lab Order: U0712474
Collection Date: 12/27/2007 10:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-008
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
1,4-Dichlorobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,4,5-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,4,6-Trichlorophenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,4-Dichlorophenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,4-Dimethylphenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,4-Dinitrophenol	ND	50		µg/L	1	1/4/2008 7:14:00 PM
2,4-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2,6-Dinitrotoluene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2-Chloronaphthalene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2-Chlorophenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2-Methylnaphthalene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2-Methylphenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
2-Nitroaniline	ND	50		µg/L	1	1/4/2008 7:14:00 PM
2-Nitrophenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
3,3´-Dichlorobenzidine	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
3-Nitroaniline	ND	50		µg/L	1	1/4/2008 7:14:00 PM
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	1/4/2008 7:14:00 PM
4-Bromophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
4-Chloro-3-methylphenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
4-Chloroaniline	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
4-Chlorophenyl phenyl ether	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
4-Nitroaniline	ND	50		µg/L	1	1/4/2008 7:14:00 PM
4-Nitrophenol	ND	50		µg/L	1	1/4/2008 7:14:00 PM
Acenaphthene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Acenaphthylene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Anthracene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Benz(a)anthracene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Benzo(a)pyrene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Benzo(b)fluoranthene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Benzo(g,h,i)perylene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Benzo(k)fluoranthene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Bis(2-chloroethoxy)methane	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Bis(2-chloroethyl)ether	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Bis(2-chloroisopropyl)ether	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Bis(2-ethylhexyl)phthalate	3	5.0	J	µg/L	1	1/4/2008 7:14:00 PM
Butyl benzyl phthalate	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Carbazole	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Chrysene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Di-n-butyl phthalate	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM

Approved By: **Date:**

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-11
Lab Order: U0712474
Collection Date: 12/27/2007 10:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-008
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL-SEMIVOLATILE ORGANICS		**SW8270C**		**(SW3510)**		Analyst: **LD**
Di-n-octyl phthalate	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Dibenz(a,h)anthracene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Dibenzofuran	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Diethyl phthalate	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Dimethyl phthalate	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Fluoranthene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Fluorene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Hexachlorobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Hexachlorobutadiene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Hexachlorocyclopentadiene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Hexachloroethane	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Indeno(1,2,3-cd)pyrene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Isophorone	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
N-Nitrosodi-n-propylamine	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
N-Nitrosodiphenylamine	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Naphthalene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Nitrobenzene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Pentachlorophenol	ND	10		µg/L	1	1/4/2008 7:14:00 PM
Phenanthrene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Phenol	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
Pyrene	ND	5.0		µg/L	1	1/4/2008 7:14:00 PM
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
1,1,1-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,1,2,2-Tetrachloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,1,2-Trichloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,1-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,1-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,2-Dichloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
1,2-Dichloropropane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
2-Butanone	ND	10		µg/L	1	1/2/2008 10:47:00 PM
2-Hexanone	ND	10		µg/L	1	1/2/2008 10:47:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	1/2/2008 10:47:00 PM
Acetone	ND	10		µg/L	1	1/2/2008 10:47:00 PM
Benzene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Bromodichloromethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Bromoform	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Bromomethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Carbon disulfide	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM

Approved By: _____ **Date:** _____

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *10-Jan-08*

CLIENT: NYSDEC - Region 9
Client Sample ID: MW-11
Lab Order: U0712474
Collection Date: 12/27/2007 10:30:00 AM
Project: Friendship Foundry, hw902017
Lab ID: U0712474-008
Matrix: GROUNDWATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCL VOLATILE ORGANICS		**SW8260B**				Analyst: **MM**
Carbon tetrachloride	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Chlorobenzene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Chloroethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Chloroform	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Chloromethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
cis-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
cis-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Dibromochloromethane	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Ethylbenzene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
m,p-Xylene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Methylene chloride	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
o-Xylene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Styrene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Tetrachloroethene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Toluene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
trans-1,2-Dichloroethene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
trans-1,3-Dichloropropene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Trichloroethene	ND	3.0		µg/L	1	1/2/2008 10:47:00 PM
Vinyl chloride	ND	2.0		µg/L	1	1/2/2008 10:47:00 PM
PHENOLICS, TOTAL REC. FOR WATERS		**E420.4**		**(E420.4)**		Analyst: **MB**
Phenolics, Total Recoverable	ND	0.005		mg/L	1	1/3/2008

Approved By: **Date:**

Qualifiers:

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H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits