# DECOMMISSIONING AND DEMOLITION REPORT BUFFALO FORGE FACILITY

490 BROADWAY STREET BUFFALO, NEW YORK

Prepared for Howden Buffalo Inc. September 14, 2007

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Prepared by

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September 14, 2007

Mr. Neil C. Schemm Vice President / General Counsel Anderson Group, Inc. 15 Piedmont Center, Suite l-120 3575 Piedmont Road Atlanta, Georgia 30305-1549

16-131303-200

Subject:

Former Buffalo Forge Facility

490 Broadway Street, Buffalo, New York

Demolition Closure Report

Dear Mr. Schemm:

This letter transmits a final copy of the Decommissioning and Demolition Report for the former Buffalo Forge facility in Buffalo, New York. The report was prepared by BC, and has been certified by me as the engineer-of-record for the project. Copies have been distributed to regulatory agencies and other parties as indicated below.

Please call me at (770) 673-3652 if you have any questions regarding the report.

Very truly yours,

BROWN AND CALDWELL ASSOCIATES

Robert J. Rivera, P.E. Supervising Engineer

RJR:ehs

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#### 1.0 INTRODUCTION

This report (Report) has been prepared by Brown and Caldwell Associates (BC) on behalf of Howden Buffalo Inc. (Howden), to document the decommissioning, demolition, and remedial work that was conducted at the former Buffalo Forge facility located at 490 Broadway Street, Buffalo, New York from September 2005 through May 2007. Part of the work included a self-implementing cleanup of polychlorinated biphenyls (PCBs) contained in site media, in accordance with federal regulations at 40 CFR 761.61(a)(3) under the Toxic Substances Control Act (TSCA).

A PCB Cleanup Plan (Cleanup Plan) was prepared by BC, and was reviewed and approved by the United States Environmental Protection Agency's (USEPA) Region II Pesticides and Toxic Substances Branch. The Cleanup Plan consisted of the following separate documents:

- "PCB Cleanup Plan" (April 2006)
- Letter Addendum (May 22, 2006)
- Letter Addendum for sampling of building slabs (October 11, 2006)
- "PCB Cleanup Plan for Soil and Concrete" (November 14, 2006; revised December 6, 2006).

The remedial scope described in the Cleanup Plan involved portions of the following key project tasks: building decommissioning, building demolition, remediation of soil beneath the building foundation, and transport and disposal of waste materials. While necessary permits were obtained for the work and applicable regulations were followed during the performance of the work, the Cleanup Plan was the only project-specific, agency-approved document that governed work at the site. As such, the manner in which the Cleanup Plan was implemented is an important consideration of this Report.

This Report is organized into eight sections with appendices. Elements of the Cleanup Plan are addressed in each appropriate section of the Report, rather than presenting all of the Plan as a stand-alone section. Section 2.0 of this Report presents a general description of the project and facility. Section 3.0 presents a detailed description of the pre-demolition site characterization activities. Section 4.0 describes the building decommissioning activities, while Section 5.0 describes the building demolition activities. Section 6.0 presents the soil remediation that was conducted at the site. Section 7.0 summarizes the waste disposal activities, while Section 8.0 presents a signed certification by the BC engineer-of-record.

#### 2.0 PROJECT BACKGROUND

# 2.1 Site Background

The site is located at 490 Broadway Street, Buffalo, New York. Most of the site is located between Broadway Street to the south, Spring Street to the west, Sycamore Street to the north, and Mortimer Street to the east. Other parcels of land owned by Howden are situated east of Mortimer Street. A public playground located between the site and the Broadway/Spring Street intersection (to the southwest) is not part of the site. Howden Buffalo Inc. is the current property owner.

# 2.2 Facility Background and History

The facility began operations as Buffalo Forge in 1877. Buffalo Forge originally manufactured small forges, and then ceased those activities circa 1900 and evolved into an industrial fan manufacturing plant. From about 1878 until 1986, the facility also operated a foundry in which brass, cast iron, and aluminum were cast. Figure 2-1 presents in a plan view the use of each building comprising the facility prior to demolition, and Table 2-1 presents a history of the facility construction, as well as the size of each building.

The final built-out facility footprint totaled approximately 300,600 square feet, and contained approximately 550,000 square feet of built-out space. The facility was comprised of multiple buildings that were joined together structurally, and included offices, a foundry, a boiler room, manufacturing and machining areas, storage areas, and a power distribution room referred to as the "capacitor room." A small maintenance garage (Building 14) was located on the east side of Mortimer Street.

The oldest structures (Building Nos. 1, 2, and 3) are referred to as the "Office Buildings." Those buildings were primarily of timber and brick construction. The remainder of the facility, referred to as the "Factory Areas," was constructed of brick and timber with a steel superstructure and experienced additions through 1966.

The facility was closed in the late 1990s. Most of the manufacturing equipment and materials were removed upon closure and the facility remained closed and locked thereafter. By the early 2000s, the facility buildings had fallen into a state of disrepair. By 2004, the deteriorating building conditions and presence of asbestoscontaining materials (ACM) inside the buildings gained increased attention from the City of Buffalo, the New York State Department of Labor (NYSDOL) and the federal Occupational Safety and Health Administration (OSHA). After careful evaluation of options for ongoing management of the closed facility, Howden elected in early 2005 to pursue the complete demolition of the facility.

# 3.0 BUILDING CHARACTERIZATION

To properly plan the demolition, a comprehensive building characterization was performed by BC in late 2005 and early 2006. The characterization consisted of a facility walkthrough, an environmental building survey, and asbestos assessment activities within the facility.

The walkthrough and building survey were conducted in October and November 2005. An asbestos survey was conducted in December 2005, and additional asbestos assessment of the facility roof was performed in April 2006. The work was conducted according to the BC "Health and Safety Plan for Building Walkthrough, Characterization, and Demolition," dated September 2005 and revised as necessary thereafter.

# 3.1 Facility Walkthrough

The objectives of the facility walkthrough were to 1) assess the condition of the facility so that the sampling logistics and areas considered unsafe for entry could be determined prior to collection of any environmental samples; 2) identify materials and areas within the facility that should be evaluated for polychlorinated biphenyls (PCBs) and Resource Conservation and Recovery Act (RCRA) constituents; 3) to determine the approximate numbers and types of samples appropriate for the building survey; 4) make a general assessment of the structural integrity and safety conditions of the building; and 5) make a general assessment about the presence of potential asbestos-containing material throughout the facility. Utility services to the facility had previously been discontinued, so the walkthrough was conducted with portable personal lighting.

During the walkthrough, it was observed that most of the first floor of the facility was a concrete slab. The first floors of Building Nos. 6, 7, 11, 12, 21, 22, and 25 contained areas of wood blocks laid on beds of sand with a concrete slab sub-base. Figure 3-1 shows these areas. The wood block and sand areas were oil-stained as were some of the concrete floor areas. The capacitor room was observed to be constructed with concrete floors, concrete walls, and a concrete ceiling.

The second level of the Factory areas consisted primarily of wooden floor decking, and appeared to be used mostly for light operations including warehousing and offices. In buildings that were comprised of higher floor levels, those higher levels (see Table 2-1) appeared to be used for storage and offices.

The roof was leaking throughout the facility and precipitation was also entering the facility through broken windows and clerestories. The leaking was observed in many areas of the facility but especially in older portions which had wooden roof decking, including "saw tooth" roof sections over Building Nos. 4, 5, 6, 7, and 12.

On the upper levels of the factory buildings, leaking of the sawtooth roofs had caused the second-floor wood decking to buckle, and in some areas to rot through. In a few areas, the second floor wood decking had fallen onto the first floor level. These areas were relatively small and were avoided during subsequent characterization activities. Because the second floor was compromised in certain areas, characterization was limited to areas where the wood decking was not buckled or where areas could be sampled from a safe adjacent platform, such as the top of a stairway or from a steel floor plate.

During the walkthrough, an inventory of the sumps, trenches, and basements was performed. Two basements were identified, located beneath Building Nos. 1 and 3.

# 3.2 Environmental Building Survey

The objectives of the building survey were to 1) identify disposal options for the demolition debris; 2) identify areas that potentially required remediation or special handling as part of the facility demolition; and 3) identify concrete slab areas that would potentially require remediation if the slab were to remain in place following the demolition. The objectives did not include any characterization of site soil and ground water.

#### 3.2.1 Sampling Approach

The environmental building survey was necessary to generate information about the potential environmental issues that would need to be considered as part of the demolition planning. The building survey included an assessment of the possible presence of hazardous waste chemical constituents regulated under RCRA, as well as PCBs regulated under TSCA.

Targeted sampling areas were selected based on visual observations and historic uses (as determined through records review and interviews with current and former employees). Sampling methods were selected based on the type (e.g., concrete, steel, wood blocks) and characteristics (e.g., pervious, impervious) of the materials being sampled. At the time the building survey was conducted, the presence of PCBs was not anticipated in any areas other than the capacitor room based on the historic operations within the facility.

#### 3.2.2 Targeted Sampling Areas

The materials and areas identified as candidates for sampling were predominantly on the first level of the facility, except for the wood floor decking, which was mostly on level 2 and above. Materials and areas tested for PCBs and RCRA hazardous constituents included:

- concrete floor slab (primarily level 1)
- sand bedding beneath the wood block flooring (level 1)
- wood block flooring (level 1)
- wood floor decking (primarily level 2)
- sediment and miscellaneous solids on the floor (primarily level 1)
- liquids in sumps, trenches, and basement areas (level 1 and basements)
- metal equipment and structures (wipe samples as identified).

Figures 3-2 through 3-8 show the sample locations corresponding to the areas identified above. With the exception of the capacitor room, the walls and ceilings of the facility were not considered likely locations for PCBs based on historical operations and visual observations during the facility walkthrough. This assessment was used to justify the various sampling grids that were implemented during the survey.

# 3.2.3 Types of Samples

The types of samples selected for the survey were as follows:

- Shallow penetration samples of pervious surfaces including concrete slab, wood block floor, and wood
  floor decking. Shallow penetration samples were collected to a depth of approximately 0.5 inch using
  0.75- or 1.00-inch-diameter drill bits. The concrete slab samples and wood floor decking samples were
  analyzed for PCBs only.
- Miscellaneous solids samples of sand bedding and other loose floor sediment and material.
- Miscellaneous liquid samples from sumps, trenches, and basement areas.

 Wipe samples of impervious metal equipment and structures. The wipe samples were collected from a 100-sq-cm area on a targeted surface using hexane-wetted sterile filter pads and 10-cm by 10-cm wipe templates. These samples were analyzed for PCBs only.

# 3.2.4 Sampling Methodology

The numbers and types of samples collected for laboratory analysis are shown in Table 3-1. Based on historic activity and the facility walkthrough, the survey samples were focused on the first level of the facility with over 80 percent of the samples collected from this level.

The miscellaneous samples were collected as grab samples. The samples were collected and analyzed as discrete samples except for the sand bedding and wood block floor samples, which included both discrete and composite samples. Composite samples were used for the sand bedding and wood block floor areas since it was known that those materials would be removed, transported and disposed in bulk at appropriate disposal facilities.

On the first level of the facility a grid sampling layout was used to locate floor samples of concrete slab, wood block floor, and sand bedding. This method was chosen because most areas could be accessed safely by the sampling personnel. This grid approach provided a systematic check to see if PCBs or other regulated constituents were present in the general work areas of the facility. The grid was laid out using a triangular 75-foot separation which corresponded to 61 locations in the factory areas. Samples were not collected in Building Nos. 1, 2, and 3 since these areas were historically used as offices.

At the grid locations where concrete slab was present, a shallow penetration sample was collected of the concrete. Also, when wood block floor and/or sand bedding were present at a grid location, samples of those materials were also collected.

Other solid samples were collected based on observed petroleum-like staining or where electrical equipment was known or suspected to have existed. This included samples collected within the capacitor room, wood floor decking primarily on the upper levels, and miscellaneous solid samples on level 1.

A representative number of the sumps and trenches were selected for collection of miscellaneous liquid samples. Approximately half of the sumps and trenches were sampled in an effort to obtain representative samples of liquids. Both facility basements were sampled since the volume of water in each location was significant as compared to the relatively low volumes in the sump and trench locations.

Wipe samples were collected on structural elements and remaining equipment at representative locations where petroleum-like staining was present, or where electrical equipment was known or suspected to have existed.

The samples were packaged and sent to Columbia Analytical Services, Inc. (CAS) of Rochester, New York for analysis. CAS is a New York State certified laboratory and was a subcontractor to BC on this project. Sample results are summarized in the next subsection.

# 3.2.5 Sample Analytical Results

The sample results for the solid samples, liquid samples, and wipe samples are presented in this subsection. Table 3-1 is a summary of the selected analyses for each sample that was collected.

Tables 3-2 through 3-7 present the sample analytical results obtained during the building survey. The tables are grouped by the class of chemical constituents. The laboratory reports were previously submitted under separate cover. Sampling locations are shown on Figures 3-2 through 3-8. The figures also show the groupings of locations where discrete samples were combined into composite samples for laboratory analysis.

#### **Solid Sample Results**

The majority of the PCB results for the solid materials were below the method detection limit. In general, most of the building materials did not contain PCBs or other chemical constituents of concern at concentrations that required management as RCRA hazardous waste or as TSCA PCB waste. However, PCBs were present at concentrations in Building Nos. 2, 6, 7, 12, 22, 27 and in the capacitor room that exceeded the TSCA Unrestricted Use threshold of 1 mg/kg in solid materials.

Portions of Building Nos. 11 and 21 contained solid materials that exceeded the RCRA TCLP hazardous waste threshold of 1 mg/L for cadmium. Waste material solids removed from these areas required management as RCRA toxicity characteristic hazardous wastes for cadmium.

In the capacitor room, PCB concentrations in the concrete and solids samples ranged from non-detect to 90 mg/kg. One concrete sample collected on level 2 on the top of the capacitor room had a PCB result of 15.8 mg/kg. In Building 12, one floor sediment sample contained a PCB concentration of 140 mg/kg. Waste materials from the capacitor room and in some areas of Building 12 required disposal at a TSCA-permitted disposal facility because these materials contained PCB concentrations greater than 50 mg/kg.

#### **Liquid Sample Results**

Figure 3-6 shows the locations of the liquid samples corresponding to the data presented in the data tables. PCBs were not detected in any liquid samples except for AQ-012 (0.0025 mg/L) and AQ-014 (21 mg/L). Liquid sample AQ-014 was collected in the Building No. 12 area. Several aqueous samples exhibited elevated concentrations of Diesel-Range Organics and phenolics.

#### **Wipe Sample PCB Results**

Figure 3-8 and Table 3-5 present the wipe sample locations and PCB wipe analytical results, respectively. Two of the wipe sample results plus a duplicate sample exceeded  $10 \, \mu g/100 \, sq$  cm, and both samples were collected from metal surfaces in the capacitor room. Three of the other wipe samples had detectable PCBs: one sample was collected from metal in the capacitor room and two samples were collected from metal surfaces in the Building No. 12 area. These results were consistent with the solid sample results from these two areas.

# 3.3 Asbestos Assessment

Prior to the building walkthrough, BC was in possession of an asbestos survey that had been conducted at the facility in 1998. Due to the age of the 1998 survey, a revised asbestos survey was required by law. The revised survey was conducted in December 2005 by Hygienetics Environmental Services (Hygienetics) as a subconsultant to BC. The revised asbestos survey identified asbestos containing material (ACM) throughout the facility, including loose ACM on scattered areas of the facility floor.

A subsequent asbestos survey of the roofing materials was conducted by Hygienetics in April 2006 when site weather improved and the roofs could be accessed safely. The roof survey identified ACM throughout most of the roofing materials.

# 3.4 Building Characterization Findings

The required aspects of the building decommissioning and demolition that were to follow were identified and/or verified based on the results of the building characterization. The following general findings resulted from the building characterization:

- The majority of the building structure did not contain concentrations of regulated substances that would require classification of waste materials as RCRA hazardous waste.
- Portions of the loose floor material and concrete floor in Building Nos. 11 and 21 would require removal and disposal as RCRA hazardous waste for the RCRA toxicity characteristic of cadmium. Refer to Figure 3-9.
- Decommissioning of the facility prior to demolition would be required, as described in Section 4.0.

# 3.5 PCB-Related Building Characterization Findings

In addition to the findings in Section 3.4, the following requirements were identified based on the results from the building characterization with respect to PCBs and the USEPA-approved Cleanup Plan:

- The majority of the facility did not contain concentrations of PCBs that would require classification of debris and waste materials as TSCA PCB waste (PCBs > 50 mg/kg) nor disposal of the waste at a TSCA-permitted disposal facility.
- PCBs were detected in isolated areas of the facility, most notably in the capacitor room and Building No. 12. These areas would require a self-implementing TSCA PCB cleanup, in accordance with 40 CFR 761.61(a)(4 6) and the Cleanup Plan.
- Some equipment and materials would require removal and disposal at a TSCA-permitted disposal facility. These consisted of 1) all contents of the capacitor room, and the capacitor room floor, walls, and ceiling; and 2) the loose floor material and concrete floor in the northern half of Building No. 12. Refer to Figure 3-9. The loose materials were subsequently removed during the pre-demolition decommissioning.

#### 4.0 BUILDING DECOMMISSIONING

Based on the results of the building characterization described in Section 3.0, a decommissioning scope was developed by Howden and BC. Howden hired Sevenson Environmental Services (Sevenson) to conduct the decommissioning and demolition of the facility. From May 30, 2006 through July 11, 2006, Sevenson completed the building decommissioning activities, with BC personnel present at the site. The decommissioning included the following tasks:

- Removal of loose asbestos debris on the floors
- Cordoning off of the TSCA PCB cleanup areas (capacitor room and Building 12), and cordoning off
  of the RCRA hazardous waste areas (portions of Building Nos. 11 and 21). Refer to Figure 3-9. These
  areas were not accessed except as necessary to conduct the cleanup work.
- Removal of wood block flooring and sand bedding beneath the wood block flooring
- Removal of miscellaneous debris, equipment, solid residuals and non-aqueous phase liquids from the concrete slab
- Sweeping of the floor slabs to broom-clean condition
- Surface cleaning of the walls and ceiling of the capacitor room
- Removal of lighting ballasts, fluorescent light bulbs, and mercury-containing lamps
- Lab packing of miscellaneous drums of waste
- Removal of a few animal carcasses that were present in the buildings
- · Rodent baiting by a Buffalo-licensed exterminator
- Removal of liquids and residuals from trenches and sumps
- Collection of washwaters generated during the decommissioning work
- Covering of open sumps and pits with road plates
- Removal of water from the basements.

Solid materials generated during the decommissioning were staged, characterized for disposal, and transported and disposed off site at appropriate disposal facilities. Water in the basements was sampled, characterized, filtered, and discharged to the municipal sanitary sewer system. Other liquids unsuitable for treatment and discharge to the sanitary sewer system were containerized and disposed off-site. Disposal of the decommissioning wastes is summarized in Section 7.0.

Materials generated from within the TSCA PCB areas were properly segregated prior to disposal, and disposed at a TSCA-permitted disposal facility. Materials generated from within the RCRA hazardous waste areas were properly segregated prior to disposal, and disposed at a RCRA Subtitle C-permitted facility as RCRA D006 hazardous waste (toxicity characteristic for cadmium). Following decommissioning, the slabs of the capacitor room and Building 12 were covered with multiple layers of polyethylene sheeting prior to any demolition activities to isolate any remaining PCBs in the concrete during the subsequent demolition activities.

#### 5.0 BUILDING DEMOLITION

Building demolition activities began on July 11, 2006 and continued until mid November 2006. Concrete slab and foundation removal occurred from early November 2006 into March 2007. From July 17, 2006 through November 14, 2006, BC personnel were not on site, and Howden retained Safe Measures of Atlanta, Georgia to provide construction quality assurance during the above-grade demolition and initial slab removal activities. Information presented in Sections 5.2 through 5.4 is based on information provided to BC by other parties unless noted otherwise.

# 5.1 Asbestos Removal Approach

ACM present on the floor of the facility was removed during decommissioning activities. Prior to demolition, Howden determined that the intact ACM present throughout the facility could not be safely removed due to the deteriorated structural conditions on the factory mezzanines, upper floors and roof. Therefore, the remaining ACM was not abated during the building decommissioning phase.

Howden elected to demolish the facility under Applicable Variance AV-106 for "Asbestos Demolition of Condemned Buildings and Structures," issued by the New York State Department of Labor (NYSDOL). Under AV-106, the facility was allowed to be demolished with the ACM intact. Refer to Section 5.3 for additional details.

#### 5.2 Final Pre-Demolition Activities

Prior to active demolition, Sevenson performed several tasks that were required as conditions of the demolition permit issued by the City of Buffalo. Utilities to the facility were disconnected, including electrical power, natural gas, and telephone service. Thirteen water service lines, two gas service lines and five sanitary sewer lines were disconnected and plumb cut at locations shown on Figure 5-4. A sidewalk survey was performed to document pre-demolition sidewalk conditions.

# 5.3 AV-106 Above-Grade Building Demolition

From July 11, 2006 to November 2006, the above-grade portion of the facility was demolished under AV-106. The majority of the demolition debris was disposed off-site at an asbestos-permitted disposal facility, while some debris required disposal at a TSCA-permitted disposal facility identified in Section 7.0. Some brick debris was decontaminated by Sevenson to remove ACM in accordance with AV-106, and recycled off-site.

During demolition, the generated debris and active work areas were kept wet with water delivered from fogger nozzles attached to hydrant water connections. Howden retained the services of an independent third-party air monitoring firm, Sienna Environmental Technologies, to conduct asbestos air monitoring required in the AV-106 variance. Air monitoring was conducted on a daily basis, and final air clearance sampling was conducted as prescribed in New York State Industrial Code Rule (ICR) 56-17. As demolition progressed across the site, completed work areas were sequentially cleared from asbestos management requirements by performing final air clearance sampling and obtaining successful results.

Structural steel and other salvageable steel were segregated from the demolition debris, and power washed to remove any potential ACM. The salvageable steel was recycled at a local recycling facility.

The Cleanup Plan required the capacitor room walls and concrete slab, and the concrete slab in the northern half of Building 12, to be disposed at a TSCA-permitted disposal facility. Howden proposed this conservative approach (based on known PCB concentrations in these areas) to avoid a protracted sampling effort that could have delayed the demolition activities. These areas were decontaminated to remove ACM, demolished and segregated from other debris, and disposed off-site at a TSCA-permitted disposal facility.

The concrete slab in Building Nos. 1, 2, 4, 8, 21, 28, and in the southern portion of Building 12 consisted of either very thin concrete (i.e., less than 2 inches thick) or of unreinforced concrete. The concrete in these buildings reportedly did not have sufficient structural integrity, and crumbled during the above-grade demolition activities. The crumbled concrete in these buildings could not be feasibly decontaminated to remove ACM, and was disposed with the general demolition debris at the ACM-permitted disposal facility. The removal of the intact slab areas and the building foundations is discussed in the next subsection.

#### 5.4 Concrete Slab and Foundation Removal

A project objective was to maximize concrete recycling and minimize concrete disposal. Recycling of concrete was addressed in the Cleanup Plan. USEPA allowed the concrete to be recycled only if it did not contain concentrations of PCBs greater than 1 mg/kg (the "Unrestricted Use" threshold in the TSCA PCB cleanup regulations). USEPA dictated this approach to ensure that the recycled concrete would be suitable for use in any off-site environmental setting since Howden would not have control over its use once the concrete was transported off of the site. USEPA also agreed that each building could be addressed as a separate "area of concern."

The Cleanup Plan also required that if historical PCB concentrations in a concrete sample exceeded 1 mg/kg, the concrete in that area could not be recycled, regardless of what subsequent concrete sample analyses might indicate. Therefore, the concrete samples collected in fall 2005 (refer to Figure 3-2) were included in the recycling/disposal screening determinations.

USEPA concurred that of the remaining concrete slabs, the slabs from Building Nos. 9, 10, 11, 13, 23, and 25 had already been sufficiently characterized, did not contain PCB concentrations greater than 1 mg/kg, and could be recycled without additional characterization subject to Howden's compliance with state and local requirements. After the concrete from these areas was removed and stockpiled, composite samples of the stockpiled concrete were collected and analyzed for final screening. The final screening samples were collected at a frequency of one sample per 500 cubic yards and were analyzed for PCBs and total metals as dictated by the recycling facility and/or by other regulatory agencies. Analytical results confirmed that the concrete could be recycled.

The Cleanup Plan required additional concrete sampling and analyses in Building Nos. 3, 5, 6, 7, 12, 14, 18, 22, and 27 to properly characterize the concrete for disposal and recycling determinations. This additional characterization activity and the subsequent concrete removal work are described in Section 5.4.1.

#### 5.4.1 Additional Concrete Characterization and Management

In fall 2006 concrete samples were collected from Building Nos. 3, 5, 14, and 18, which were not known to be impacted with PCBs from the 2005 sampling event, but also had not been sufficiently characterized to date. Concrete samples were also collected from Building Nos. 6, 7, 12, 22, and 27, which contained previous samples with PCB concentrations above USEPA's Unrestricted Use threshold of 1 mg/kg and required further characterization, for recycling/disposal determinations.

Figure 5-1 shows the initial locations of the fall 2006 concrete samples and the analytical results from the samples. These samples were collected by Sevenson, except for the Building 14 samples which were collected by BC at the point in time when BC returned to the site. Some slab areas discussed in Section 5.4 had already

been removed when BC returned to the site. All of the 2006 concrete samples were analyzed by CAS, Rochester, New York.

#### **Building Nos. 14 and 18**

Sample analyses from Building Nos. 14 and 18 indicated that these slabs did not contain PCB concentrations above the limit of 1 mg/kg. The concrete was removed and stockpiled, and additional composite samples of the stockpiled concrete were collected for further final screening. The final screening samples were collected by Sevenson at a frequency of one sample per 500 cubic yards and analyzed for PCBs and total metals as dictated by the recycling facility and by other regulatory agencies. Analytical results confirmed that the concrete could be recycled, and the concrete was transported to an off-site concrete recycler.

#### **Building Nos. 6, 7, and 27**

In the fall 2005 sampling event, Building Nos. 6, 7, and 27 each contained at least one concrete slab sample with PCB concentrations above USEPA's unrestricted use threshold of 1 mg/kg. October 2006 sample analyses from Building Nos. 6, 7, and 27 did not contain PCB concentrations above the limit of 1 mg/kg.

Due to the discrepancies between sampling events, the concrete at the locations of the fall 2005 samples required disposal rather than being recycled. The initial limits of concrete disposal in these buildings were defined as a 20-foot by 20-foot square surrounding each location of elevated PCB concentrations. One sample was then collected by BC from each face of the concrete square as shown on Figure 5-2, and analyzed by CAS. The concrete disposal areas were extended in 10-foot increments until a concrete sample was obtained with a PCB concentration less than 1 mg/kg on each face, or until the horizontal limit of that building was encountered. The final area of concrete defined in this manner was removed and disposed at a permitted disposal facility. The concrete located outside the defined areas in each building was allowed to be recycled. Final limits of disposed and recycled concrete are shown on Figure 5-3.

#### Building Nos. 3, 5, 12, and 22

In the fall 2005 sampling event, Building Nos. 12 and 22 each contained at least one concrete sample with PCB concentrations above USEPA's unrestricted use threshold of 1 mg/kg. October 2006 sample analyses from Building Nos. 12 and 22 also contained concentrations of PCBs above 1 mg/kg. October 2006 sample analyses from Building Nos. 3 and 5 contained PCB concentrations above 1 mg/kg. Howden elected to dispose of the concrete from these buildings at a permitted disposal facility without further sample analyses and without additional recycling consideration.

All of the sub-slab concrete foundation elements (e.g. column footers, grade beams) were removed and disposed in the same manner and classification as the concrete slabs above them. Information pertaining to the recycling and disposal facilities and quantities is contained in Section 7.0. The fall 2006 concrete analytical reports are contained on a CD in Appendix D.

# 6.0 SOIL REMEDIATION

This section describes the various soil remediation activities that occurred after the concrete slabs and foundations were removed. Remediation activities addressed PCB-impacted soil, underground storage tanks, black sandy material that was spread throughout the site, and two miscellaneous areas where visually-impacted soil was encountered during foundation removals.

#### 6.1 PCB Soil Remediation

In site areas where the concrete slab contained PCB concentrations greater than 1 mg/kg, USEPA required that the soil beneath the slabs be sampled and analyzed for PCBs to determine whether PCBs possibly affected the underlying soil. Soil sampling was also performed in a few discrete locations where sump or pit samples contained elevated PCB concentrations. The soil sampling strategy and remediation approach described in this Section was approved in the Cleanup Plan.

Initial soil samples were collected by BC and analyzed by CAS, Rochester, New York. Figure 6-1 presents the locations and analytical results of the initial soil screening samples. The initial results indicated that:

- Soils beneath Building Nos. 2, 3, 5, 7, and 22 did not contain PCB concentrations above 1 mg/kg.
- Soils containing PCB concentrations greater than 1 mg/kg were present throughout the capacitor room and approximately half of Building 12, and at isolated sample locations in Building Nos. 6, 12, and 27.
- Soil samples from two locations in the capacitor room and one location in Building 12 contained PCB concentrations greater than 50 mg/kg.

The site setting, access considerations, and Howden's planned post-demolition use of the site were evaluated to determine an appropriate path forward. Howden elected to perform a PCB soil cleanup in the impacted areas described above to meet a High Occupancy exposure scenario without further conditions or restrictions, as described in 40 CFR 761.61(a)(4)(i)(A). Accordingly, a cleanup level of PCBs less than or equal to 1 mg/kg in site soils was the appropriate cleanup level for the site. Howden subsequently removed all PCB-impacted soil via excavation and off-site disposal by proceeding with a self-implementing soil remediation in accordance with the Cleanup Plan.

#### 6.1.1 Initial Delineation of PCB Soil Excavations

Based on the prescribed remediation approach, the initial limits of remediation to address PCB-impacted soils are shown on Figure 6-1. The initial excavation areas extended half the distance between PCB-impacted and non-PCB-impacted soil samples. The excavation area boundaries were also limited initially by each building's footprint. Where isolated sample locations required soil remediation, the initial excavation extended 5 feet in each direction from the isolated sample, forming a 10-foot by 10-foot excavation area. The initial excavation area around sample 12GSF12 in Building 12 extended 10 feet in each direction from the isolated sample, forming a 20-foot by 20-foot excavation area. The following sections (6.1.1 through 6.1.5) describe the PCB soil remediation efforts.

#### 6.1.2 Round 1 PCB Soil Remediation

Soil was initially excavated to a depth of 1 foot in the areas shown on Figure 6-1. An area in Building 12 and an area in the capacitor room both contained PCB concentrations above 50 mg/kg, so these areas were

excavated first. These soils were transported to a TSCA-permitted disposal facility – refer to Section 7.0. Confirmatory samples were collected by BC from the excavation sides and bottom to determine whether any additional soil required removal and disposal at a TSCA-permitted disposal facility. The confirmatory samples were analyzed by CAS, and indicated that no additional TSCA PCB removal and disposal was required.

The remaining areas shown on Figure 6-1 were then excavated. Soil from these areas was disposed at a RCRA Subtitle D disposal facility. Refer to Section 7.0. Confirmatory samples were collected by BC from soil on the sides and bottom of the excavation areas in accordance with the Cleanup Plan, and analyzed by CAS.

Figure 6-2 shows the initial (Round 1) excavation limits, and the locations and concentrations of the post-excavation confirmatory soil samples. Figure 6-3 is a similar figure enlarged to show the capacitor room with better clarity. Confirmatory soil sample analyses indicated that:

- Soils in two isolated excavation areas each in Building Nos. 6 and 27 met the cleanup goal and did not require additional remediation.
- Soil in one isolated excavation area each in Building Nos. 6 and 27 had one or more confirmatory samples in excess of the cleanup goal, so the excavation was extended in these areas.
- Soil in the majority of the capacitor room met the cleanup goal, but soil in the eastern corner did not and required additional remediation.
- Remediation results in Building 12 were inconsistent, with several soil samples meeting the cleanup goal, but a majority of the soil in the large area exceeding the cleanup goal.

Excavation limits were extended as necessary for the second round of remediation, as discussed below.

#### 6.1.3 Round 2 PCB Soil Remediation

Where the Round 1 side-wall confirmatory soil samples contained PCB concentrations greater than 1 mg/kg, the face of the excavation was extended in the same direction an additional 10 feet. Similarly, where the Round 1 bottom confirmatory soil samples contained PCB concentrations greater than 1 mg/kg, the excavation was extended vertically another foot in the sub-area addressed by that bottom soil sample. Soil in the appropriate area of the capacitor room was excavated an additional two vertical feet after Round 1, rather than an additional 1 foot as in the other remediation areas.

Excavated soil was disposed at a RCRA Subtitle D disposal facility. Confirmatory samples were collected by BC again from the sides and bottom of the excavation areas. BC elected to switch labs at this point in the project, due to analytical turnaround time considerations. The soil analyses were conducted by Accutest Labs, Marlborough, Massachusetts.

Figure 6-4 shows the Round 2 excavation areas, and the locations and concentrations of the post-excavation confirmatory soil samples. Figure 6-5 is a similar figure enlarged to show the capacitor room with better clarity. Confirmatory sample analyses indicated that:

- The soil in the remaining excavation areas in the capacitor room and in Building Nos. 6 and 27 met the cleanup goal and did not require additional remediation.
- Remediation results in Building 12 indicated that some soil impacted above the clean-up goal was still present in the central area of the excavation (bottom samples) and at the southern edge in one sidewall sample. The southern edge of the excavation was subsequently extended horizontally an additional 10 feet prior to Round 3 excavation activities, to capture the impacted soil indicated by the Round 2 side-wall sample as being above the cleanup goal.

Remediation limits were then extended vertically for a third round of remediation in Building 12, as discussed below.

#### 6.1.4 Round 3 PCB Soil Remediation

Where the Round 2 bottom confirmatory samples in Building 12 contained PCB concentrations greater than 1 mg/kg, the excavation was extended vertically an additional foot in the area addressed by the Round 2 soil sample. Excavated soil was disposed at a RCRA Subtitle D disposal facility. Confirmatory samples were collected by BC again from the sides and bottom of the excavation areas, and analyzed by Accutest. Figure 6-6 shows the Round 3 excavation area, and the locations and concentrations of the post-excavation confirmatory soil samples. Confirmatory sample analyses indicated that:

- A portion of the soil in the bottom of the excavation area met the cleanup goal and did not require additional remediation.
- A portion of the soil in the bottom of the excavation area exceeded the cleanup goal, requiring additional remediation.

Remediation limits were again extended vertically for a fourth round of remediation in Building 12, as discussed below.

#### 6.1.5 Round 4 PCB Soil Remediation

When excavation had progressed to three feet below grade (end of Round 3), fractured bedrock was encountered. Howden elected to scrape the fractured rock and residual soil in an attempt to meet the remedial goal. In the fourth round of PCB soil remediation, the remediation limits were extended vertically by 3 inches to accomplish the scraping (to a total depth of 3.25 feet below original soil grade). Excavated rock and soil were disposed at a RCRA Subtitle D disposal facility. Confirmatory samples were then collected by BC of soil and rock scrapings from the floor of the excavation, and analyzed by Accutest.

Figure 6-7 shows the Round 4 excavation area, and the locations and concentrations of the post-excavation confirmatory samples of soil and rock. Confirmatory sample analyses indicated that the cleanup goal was achieved in the samples in the remaining excavation area. These results confirmed that PCB soil remediation on the site had achieved the remedial goal of 1 mg/kg PCBs or less in soil.

The final limits of PCB soil remediation on the site are shown on Figure 6-8. Analytical lab reports for the PCB soil remediation are contained on a CD in Appendix D.

# 6.2 Underground Storage Tanks

During the removal of building foundations, two underground storage tanks (USTs) were encountered. One UST was located in Building 10, and the other was located just outside the western exterior wall of Building 4 and the boiler room, as shown on Figure 6-8. These UST locations were consistent with USTs that were designated on historical drawings of the facility that date back to the 1960s. The Building 10 UST was a former 4,000-gallon #2 Fuel Oil storage tank. The Building 4 UST was a former 5,000-gallon #2 Fuel Oil storage tank.

When each UST was discovered, it was registered with the New York State Department of Environmental Conservation (NYSDEC), in accordance with NYSDEC regulations. Representatives of the local NYSDEC Region 9 office were contacted by BC and visited the site to confer with BC personnel about the management of the USTs.

Each UST was drained of liquids, the tank carcass was removed and cut up to render it no longer usable, and then disposed off site. Following the removal of each UST, non-aqueous phase liquids present in the excavation were removed, containerized, and disposed off-site.

Soils in the UST excavations that were visually impacted were excavated, staged for characterization, and disposed off-site at a permitted disposal facility. Initial soil samples were then collected by Sevenson and analyzed by Waste Stream Technologies, Buffalo, New York. Samples were analyzed for New York State TAGM 4046 parameters (8260/8270 STARS +tics) and compared to the TAGM 4046 guidelines to determine whether the remaining soil was impacted with petroleum constituents.

Additional soil excavation, and confirmatory sample collection and analyses, were repeated as necessary until the UST excavation met the NYSDEC cleanup guidelines. The additional soil samples for the Building 4 UST were collected by BC and analyzed by Accutest.

UST remediation wastes were disposed as summarized in Section 7.0. NYSDEC concurred that both UST excavations had been closed in accordance with the NYSDEC UST tank closure requirements. The final limits of UST soil remediation are shown on Figure 6-8, and the soil analytical results are presented in Appendix A.

#### 6.3 Black Sand

During the removal of building foundations, black sand was encountered in the subslab soil. The visual characteristics of the sand appeared similar to spent foundry sand. BC collected two composite samples of the sand and had the samples analyzed by CAS for Target Analyte List (TAL) metals, TCLP Metals, and TCLP SVOCs. The analytical results are provided in Table 6-1 and in Appendix B. The black sand samples did not exceed any TCLP regulatory criteria, but did contain concentrations of a variety of metals.

Concentrations of lead and chromium in the black sand slightly exceeded the New York State Brownfields Soil Cleanup Objectives (SCOs) in 6 NYCRR Part 375 for Residential Use, but met the SCOs for Restricted Residential use and for Commercial use. Concentrations of arsenic slightly exceeded the SCOs for all uses. It is noted that the site is not in the New York State Brownfields Program, but the SCOs were used for informal screening purposes since the site could potentially be redeveloped under the Brownfields program or a similar program in the future.

Because it is not known when the site may be redeveloped, or whether it will be redeveloped under a residential, commercial or industrial setting, Howden elected to manage the black sand in place. NYSDEC representatives were consulted and accepted this approach with the stipulation that future remedial work could be required depending on the ultimate end use of the site.

Howden's original intent was to excavate the black sand from discrete locations where it was initially observed, consolidate the black sand in the area of former Building Nos. 9 and 10, and then cap the consolidated sand with a minimum 6 inches of clean fill material. Black sand that was present in the area of former Building Nos. 2 and 3 was relocated and consolidated in this manner.

The brick sidewalks were removed as directed by the City demolition ordinance. During this sidewalk work, black sand was identified beneath the sidewalks and was excavated and removed. Similarly a former foundry sand pit measuring 155 feet by 15 feet by approximately 6 feet deep was located beneath the sidewalk along Spring Street west of Buildings 9 and 10 as shown on Figure 6-8. Rather than bring the black sand from these areas onto the site for consolidation, the black sand was removed and disposed off-site at a permitted landfill, as described in Section 7.0.

As the building foundation removal activities continued to the northern areas of the site, black sand was observed to be scattered throughout most site soils in the former factory areas (i.e., the areas north of

Building Nos. 1, 2, and 3). The black sand was not present in discernible layers or depth intervals, but was present as sporadic veins. Howden and BC concluded that it was not technically or economically feasible to locate, excavate and consolidate the black sand to a central area of the site. Instead the black sand was left in place at an elevation no higher than 6 inches below the sidewalk level, to accommodate capping with clean fill material.

At the conclusion of this project, black sand was not present in the former areas of Building Nos. 1, 2, and 3. The black sand should be considered to be sporadically present throughout the remainder of the site beneath a clean fill layer of 6- to 12-inch typical thickness. Management of this sand may have to be addressed with any future development evaluations.

#### 6.4 Miscellaneous Remediation Areas

During the removal of building foundations, two areas were discovered that contained visually-impacted material in the subsoil. These areas are shown on Figure 6-8 and consisted of:

- An area at the northwest corner of former Building 25 which contained an oily material in the subsoil.
- A pit in the middle of former Building 10 which contained greasy material in the subsoil.

The Building 25 area was addressed when BC was not present at the site, and this summary is based on information provided by others. The visually impacted material was excavated, staged for characterization, and disposed off-site at a permitted disposal facility. Side-wall and bottom samples were collected by Sevenson and analyzed by Waste Stream Technologies. A representative of NYSDEC reportedly reviewed the sample analytical results, concurred that further soil excavation was not required, and allowed the excavation to be backfilled.

The Building 10 area was addressed when BC was at the site. The greasy material was sampled by Sevenson and analyzed by Waste Stream Technologies for characterization purposes, and was found to contain no chemical constituents at concentrations of concern. Therefore, this excavation proceeded until the visually impacted material was removed.

Figure 6-8 shows the final excavation limits of both of these areas. Analytical results are provided in Appendix C.

# 6.5 Supply Well Abandonment

A water supply well was encountered within the Building 10 remediation area described in Section 6.4. The well measured 12 inches in diameter by 30 feet deep. The well was abandoned by tremmie grouting on December 4, 2006 by Buffalo Drilling Company as a subcontractor to Sevenson.

# 6.6 Site Backfilling and Restoration

After soil remediation work was completed, clean backfill was placed and compacted to a minimum thickness of 6 inches, or more, as necessary to achieve final grade. This work included backfilling of the basements in the former Building 1 and Building 3 areas.

The compacted fill was placed to meet sidewalk grades as required by the City demolition ordinance. A total project quantity of 15,901 tons of clean backfill was provided by LaFarge Quarry and placed by Sevenson. Sevenson also restored the perimeter sidewalks as required by the City demolition ordinance.

#### 7.0 WASTE DISPOSAL SUMMARY

This section describes the final disposition of the materials generated by the work and transported or discharged off of the site. Waste materials were sampled and analyzed in accordance with the requirements of the respective disposal facilities.

# 7.1 TSCA and RCRA Decommissioning Wastes

During building decommissioning, 74 tons of TSCA PCB waste and 53.48 tons of RCRA D006 hazardous waste were generated and disposed at CWM Services facility in Model City, New York. The TSCA wastes were also classified and disposed as New York State B007 hazardous waste in CWM's TSCA-permitted cell. These wastes included portions of the wood block floor, sand bedding, floor residuals, and floor debris.

# 7.2 General Decommissioning Wastes

Building decommissioning activities generated 469.29 tons of nonhazardous waste which were disposed at Modern Disposal Corp. in Lewiston, New York. These wastes included the majority of the wood block floor, sand bedding, floor residuals, and floor debris.

# 7.3 Specialty Decommissioning and Lab Pack Wastes

During building decommissioning, several waste streams were removed from the facility and disposed at CWM Services located in Model City, New York. The following were disposed during the project:

- 838 lighting ballasts (as NYS B007 waste).
- 1,638 fluorescent light bulbs (Universal Waste)
- 159 mercury-containing lamps (D009 mercury hazardous waste).
- Three (3) drums of D001 hazardous waste liquids.
- Eight (8) drums of unregulated waste oil.
- One (1) drum of unregulated wastewater.
- One (1) drum of unregulated waste sodium hydroxide pellets.
- One (1) drum of unregulated waste black solids.
- One (1) drum of batteries

#### 7.4 Electronic Waste

One truckload of electronic waste (discarded computer equipment) was removed from the facility. The e-waste was disposed at Lincoln Archives in Buffalo, New York.

# 7.5 Asbestos-Containing Demolition Debris

Asbestos-containing demolition debris, including crumbled slab concrete from discrete areas of the facility, was disposed at the asbestos-permitted Minerva Enterprises Landfill located in Waynesburg, Ohio. A total of 13,829.41 tons of asbestos demolition debris from the site was disposed during the project.

# 7.6 Recycled Brick

During the asbestos demolition phase, 9,966 tons of brick were decontaminated on-site and recycled at Carmen Pariso, Inc. in Tonawanda, New York.

# 7.7 Salvageable Steel

4,200.41 gross tons of steel were salvaged at various local steel salvage facilities. This material included the two UST carcasses.

#### 7.8 TSCA PCB Concrete and Soil

A total of 250.1 tons of concrete from the capacitor room, and 148.24 tons of soil from the capacitor room and the northern half of Building 12, were removed and disposed as TSCA waste (and NYS B007 waste). This TSCA waste was disposed at CWM Services facility in Model City, New York.

# 7.9 PCB-Impacted Concrete

Concrete slabs and foundation that contained PCB concentrations greater than 1 mg/kg and less than 50 mg/kg, were disposed at Modern Disposal Corp. in Lewiston, New York. A total of 2,146.82 tons of concrete were disposed from the site.

# 7.10 Recycled Concrete

Concrete slabs and foundation that contained PCB concentrations less than 1 mg/kg were recycled at Carmen Pariso Inc. in Tonawanda, New York. A total of 11,707.44 tons of concrete were recycled during the project.

# 7.11 PCB-Impacted Soil

Excavated soil that did not require disposal at a TSCA-permitted facility was disposed at Modern Disposal Corp. in Lewiston, New York. This material included black sand excavated from beneath the sidewalks and from the former foundry sand pit. A total of 5,063.40 tons of non-TSCA, non-RCRA soil were disposed during the project.

# 7.12 Oily Wastewater and Non-Aqueous Phase Liquids

Oily water and non-aqueous phase liquids (NAPL) were disposed at CWM Services facility in Model City, New York. Twelve (12) drums of oily water and one (1) drum of NAPL from the USTs were disposed from the site as non-regulated waste.

#### 7.13 Wastewater

Water from the basements of Building Nos. 1 and 3, and other wastewaters generated during the project were filtered on-site through a 5-micron filter and discharged to the Buffalo Sewer Authority sewer system. Water from suspect areas such as pits and sumps was sampled and analyzed prior to discharge to check that the water quality complied with discharge requirements. A total of 341,660 gallons of water were discharged from the site.

#### REPORT CERTIFICATION 8.0

The purpose of this Report was to document: 1) the decommissioning, demolition, and remedial work that was conducted at the 490 Broadway site in Buffalo, New York; 2) the conditions of the site at the conclusion of the project; and 3) that the self-implementing PCB cleanup of site media was implemented in accordance with the USEPA-approved Cleanup Plan and in accordance with federal regulations at 40 CFR 761.61(a)(3) under TSCA.

BC provided construction site services for this project from May 30, 2006 through July 14, 2006, and from November 15, 2006 through the remainder of the project. BC certifies the accuracy of the description of activities during these periods of time. Work that occurred during other times has been described by BC to the best of our knowledge as these activities were reported to BC by others.



Signature:

Robert J. Rivera, P.E.

Supervising Engineer and Project Manager

Date: September 14, 2007

Table 2-1. History of Facility Additions 490 Broadway Facility

Building No.	Date Added (year)	Building Footprint Area (sq ft)	No. of Floors	Total Built-Out Floor Area (sq ft)
4	1881	7,400	5	37,000
1 2	1886-1941	11,900	2	19,600
	1900	11,200	6	67,200
3		21,900	2	34,200
4	1942-1954		2	13,800
5	1918	6,900	2	53,400
6	1918	26,700		
7	1918	6,600	2	13,200
8	1920	1,300	3	3,900
9	1880-1924	15,000	3	45,000
10	1906	21,900	1	21,900
11	1918	25,200	2	46,500
12	1918	42,700	2	85,400
13	1918	17,000	1	17,000
18	1947	6,300	1	6,300
21	1951	6,900	1	6,900
22	1918-1953	6,300	1	6,300
23	1952	11,900	1	11,900
25	1963 - post 1968	21,200	1	6,800
27	1964	27,400	2	54,800
28	1947-1965	4,900	1	4,900
		300,600		556,000
14	1930	12,500	1	12,500

		Table 3-1. Analytical Summary Re	eques	t					
						Analyse	s		
	LABEL	Location Description	TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	Vocs	DRO	TAL Metals (6010B/7471A)
AQ-001	Aqueous	Bldg. 8			Х	Х			Х
AQ-002	Aqueous	Bldg. 4			Х	Х	Х		Х
AQ-003	Aqueous	Bldg. 5			Х	Х			Х
AQ-004	Aqueous	Bldg. 6			Х	Х			Х
AQ-005	Aqueous	Bldg. 6			Х	Х			Х
AQ-006	Aqueous	Bldg. 7			Х	Х			Х
AQ-007	Aqueous	Bldg. 25			Х	Х	Х		Х
AQ-008	Aqueous	Bldg. 25			Х	Х			Х
AQ-009	Aqueous	Bldg. 11			Х	Х			Х
AQ-010	Aqueous	Bldg. 11			Х	Х	Х	Х	Х
AQ-011	Aqueous	Bldg. 28			Х	Х			Х
AQ-012	Aqueous	Bldg. 27			Х	Х		Х	Х
AQ-013	Aqueous	Bldg. 12			Х	Х		Х	Х
AQ-014	Aqueous	Bldg. 12			Х	Х			Х
AQ-015	Aqueous	Bldg. 10			Х	Х	Х	Х	Х
AQ-016	Aqueous	Bldg. 10			Х	Х			Х
AQ-017	Aqueous	Bldg. 10			Х	Х	Х	Х	Х
AQ-101	Aqueous	Duplicate of AQ-016			Х	Х			Х
OIL-001	Oil	Bldg. 25			Х	Х		Х	Х
SED-001	Soil	Bldg. 18			Х				
SED-002	Soil	Bldg. 4			Х				
SED-003	Soil	Capacitor Rm			Х				
SED-004	Soil	Bldg. 11			Х				
SED-005	Soil	Bldg. 21			Х				
SED-006	Soil	Bldg. 27			Х				
SED-007	Soil	Bldg. 12			Х				
SED-008	Soil	Bldg. 12			Х				
SED-009	Soil	Bldg. 6			Х				
SED-010	Soil	Bldg. 6			Х				
SED-011	Soil	Bldg. 6			Х				
SED-012	Soil	Bldg. 10			Х				
SED-013	Soil	Bldg. 1	Х	Х			Х		
SED-014	Soil	Bldg. 12	Х	Х		Х	Х		
SED-015	Soil	Bldg. 6	Х	Х			Х		
SED-016	Soil	Bldg. 21	Х	Х			Х		
SED-017	Soil	Bldg. 28	Χ	Х			X		
SED-018	Soil	Bldg. 12	Х	X					

		Table 3-1. Analytical Summary Re	eques	t					
						Analyse	s		
L	.ABEL	Location Description	TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	VOCs	DRO	TAL Metals (6010B/7471A)
SED-019	Soil	Bldg. 10	Χ	Х					
SED-020	Soil	Bldg. 9	Х	Х					
SED-021	Soil	Bldg. 21	Х	Х					
SED-022	Soil	Bldg. 10						Х	
SED-023	Soil	Bldg. 12	Х	Х				Х	
SED-024	Soil	Bldg. 1	Х	Х				Х	
WIPE-001	PCB Wipe	Bldg. 10, 2nd floor			Х				
WIPE-002	PCB Wipe	Elevator mount on roof, Bldg. 9			Х				
WIPE-003	PCB Wipe	Control panel in Boiler Rm, Bldg. 6			Х				
WIPE-004	PCB Wipe	Elect. Equip. in Capacitor Rm.			Х				
WIPE-005	PCB Wipe	Elect. Equip. in Capacitor Rm.			Х				
WIPE-006	PCB Wipe	Duplicate of WIPE-004			Х				
WIPE-007	PCB Wipe	Elect. Switch in Capacitor Rm.			Х				
WIPE-008	PCB Wipe	Bldg. 1			Х				
WIPE-009	PCB Wipe	Bldg 1			Х				
WIPE-010	PCB Wipe	Metal treadplate Bldg. 3			Х				
WIPE-011	PCB Wipe	Control panel in Boiler Rm, Bldg. 6			Х				
WIPE-012	PCB Wipe	Bldg. 7			Х				
WIPE-013	PCB Wipe	Metal treadplate Bldg. 4			Х				
WIPE-014	PCB Wipe	Mezanine floor Bldg. 7			Х				
WIPE-015	PCB Wipe	Equip. pedastal Bldg. 6			Х				
WIPE-016	PCB Wipe	Bldg. 12, 2nd Floor			Х				
WIPE-017	PCB Wipe	Bldg. 12			Х				
WIPE-018	PCB Wipe	Bldg. 12			Х				
WIPE-019	PCB Wipe	Bldg. 12			Х				
WIPE-020	PCB Wipe	Bldg. 12			Х				
WIPE-021	PCB Wipe	Metal treadplate under tank, Bldg. 12	-		Х		_	_	_
WIPE-022	PCB Wipe	Metal box, Bldg. 12	-	_	Х		_	_	_
WIPE-023	PCB Wipe	Metal Treadplate, Bldg. 23	-	_	Х		_		_
WIPE-024	PCB Wipe	Metal bin, Bldg. 9	-	_	X		_	_	
WIPE-025	PCB Wipe	Metal equip. housing, Bldg. 10	-	_	Х		_	_	
WIPE-026	PCB Wipe	Metal plate, Bldg. 21	-	_	Х		_	_	_
WIPE-027	PCB Wipe	Column pulley into sump, Bldg. 25	_		Х			_	_
CON-001	Concrete	Bldg. 25	-		Х		_	_	_
CON-002	Concrete	Bldg. 25			Х		_		_
CON-003	Concrete	Bldg. 25	-		Х		_	_	_
CON-004	Concrete	Bldg. 25			X				

HE PAR		Table 3-1. Analytical Summa	ry R	eques	t					
							Analyse	s		
	LABEL	Location Description		TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	VOCs	DRO	TAL Metals (6010B/7471A)
CON-005	Concrete	Blo	lg. 25			Х				
CON-006	Concrete	Blo	lg. 25			Х				
CON-007	Concrete	Blo	lg. 25			Х				
CON-008	Concrete	Blo	lg. 11			Х				
CON-009	Concrete	Blo	lg. 11			Х				
CON-010	Concrete	Bld	g. 11			Х				
CON-011	Concrete	Blo	lg. 11			Х				
CON-012	Concrete	Blo	lg. 12			Х				
CON-013	Concrete	Blo	ig. 21			Х				
CON-014	Concrete	Blo	lg. 27			Х				
CON-015	Concrete	Blo	dg. 11			Х				
CON-016	Concrete	Blo	dg. 27			Х				
CON-017	Concrete	Blo	dg. 27			Х				
CON-018	Concrete	Blo	dg. 22			Х				
CON-019	Concrete	Blo	dg. 22			Х				
CON-020	Concrete	Blo	dg. 27			Х				
CON-021	Concrete	Blo	dg. 12			Х				
CON-022	Concrete	Ble	dg. 12			Х				
CON-023	Concrete	Ble	dg. 12			Х				
CON-024	Concrete	Ble	dg. 12			Х				
CON-025	Concrete	Bl	dg. 12			Х				
CON-026	Concrete	Bl	dg. 12			Х				
CON-027	Concrete	E	Bldg. 6			Х				
CON-028	Concrete	E	Bldg. 7			Х				
CON-029	Concrete	E	Bldg. 6	5		Х				
CON-030	Concrete	E	Bldg. 6	5		Х				
CON-031	Concrete	E	Bldg. 6	5		Х				
CON-032	Concrete		Bldg. 6	-		Х				
CON-033	Concrete		Bldg. 5	_		Х			_	_
CON-034	Concrete		Bldg. 6	_	_	Х		_	_	_
CON-035	Concrete		dg. 23	-		X		_	_	_
CON-036	Concrete		dg. 23	_		Х			_	_
CON-037	Concrete		dg. 23	-		X		_	_	
CON-038	Concrete		dg. 23	_		X		_		
CON-039	Concrete		dg. 18	-		X		_	_	_
CON-040	Concrete		dg. 27	-	_	X		_	$\perp$	_
CON-041	Concrete	BI	dg. 27	7		X				

		Table 3-1. Analytical Summary Re	eques	t					
						Analyse	s		
	ABEL	Location Description	TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	VOCs	DRO	TAL Metals (6010B/7471A)
CON-042	Concrete	Bldg. 13			Х				
CON-043	Concrete	Bldg. 9			Х				
CON-044	Concrete	Bldg. 13			Х				
CON-045	Concrete	Bldg. 13			Х				
CON-046	Concrete	Bldg. 13			Х				
CON-047	Concrete	Bldg. 13			Х				
CON-048	Concrete	Bldg. 10			Х				
CON-049	Concrete	Bldg. 10			Х				
CON-050	Concrete	Bldg. 10			Х				
CON-051	Concrete	Bldg. 10			Х				
CON-052	Concrete	Bldg. 10			Х				
CON-053	Concrete	Bldg. 9			Х				
CON-054	Concrete	Bldg. 9			Х				
CON-055	Concrete	Bldg. 4			Х				
CON-056	Concrete	3rd floor, Bldg. 1			Х				
CON-057	Concrete	Bldg. 4			Х				
CON-058	Concrete	Bldg. 2			Х				
CON-059	Concrete	Bldg. 4			Х				
CON-060	Concrete	Bldg. 1			Х				
CON-061	Concrete	Capacitor Rm.			Х				
CON-062	Concrete	Capacitor Rm.			Х				
CON-063	Concrete	Capacitor Rm.			Х				
CON-064	Concrete	2nd floor, Bldg. 4			Х				
CON-065	Concrete	2nd floor, Bldg. 9			Х				
CON-066	Concrete	Capacitor Rm.			Х				
CON-067	Concrete	Capacitor Rm.			Х				
CON-100	Concrete	Duplicate of CON-018	3		Х				
CON-101	Concrete	Duplicate of CON-027	7		Х				
CON-102	Concrete	Duplicate of CON-066	6		Х				
WB-001	Wood Block	Bldg. 25		Х	Х	Х			Х
WB-002	Wood Block	Bldg. 25	X	Х	Х	Х			X
WB-003	Wood Block	Bldg. 25	X	Х	Х	Х			Х
WB-004	Wood Block	Bldg. 11	Х	Х	Х	Х			Х
WB-100	Wood Block	Composite WB-005 & WB-007, Bldgs. 21 8	222.00	Х	X	Х			Х
WB-101	Wood Block	Duplicate WB-100	X	Х	Х	Х			Х
WB-006	Wood Block	Bldg. 12	X	Х	X	X		Х	Х

10000		Table 3-1. Analytical Summary Re	eques	t					
47.41						Analyse	S		
L	ABEL	Location Description	TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	Vocs	DRO	TAL Metals (6010B/7471A)
WB-008	Wood Block	Bldg. 22	Χ	Х	Х	Х			Х
WB-009	Wood Block	Bldg. 12	Χ	Х	Х	Х		Х	Х
WB-010	Wood Block	Bldg. 6	Χ	Х	Х	Х		Х	Х
WB-011	Wood Block	Bldg. 7	Χ	Х	Х	Х		Χ	Х
SAND-100	Sand	Composite Sand-003 & Sand-004, Bldg. 25	Χ	Х	Х	Х			Х
SAND-101	Sand	Composite Sand-005 & Sand-006, Bldg. 25	Χ	Х	Х	Х			Х
SAND-102	Sand	Composite Sand-001 & Sand-002, Bldg. 25	Χ	Х	Х	Х			Х
SAND-008	Sand	Bldg. 11	Χ	Х	Х	Х			Х
SAND-103	Sand	Composite Sand-007 & Sand-010, Bldgs. 11 & 12	Х	Х	Х	Х			Х
SAND-104	Sand	Composite Sand-011 & Sand-012, Bldg. 22	Χ	Χ	Х	Х			Х
SAND-105	Sand	Composite Sand-009, Sand-013 & Sand-014, Bldg. 12	Х	Х	Х	Х		Х	Х
SAND-106	Sand	Composite Sand-015, Sand-016, Sand-017 & Sand-018, Bldg. 12	_	Х	х	Х		Х	Х
SAND-107	Sand	Duplicate of SAND-106	Х	X	X	Х	_	Х	Х
SAND-108	Sand	Composite Sand-019, Sand-020 & Sand-021, Bldg. 6	Х	Х	Х	Х		Х	Х
SAND-022	Sand	Bldg. 7	Х	Χ	Х	Х		X	Х
WF-001	Wood Floor	2nd floor, Bldg. 11			Х		<u> </u>	_	<del>                                     </del>
WF-002	Wood Floor	2nd floor, Bldg. 11		_	Х		_	_	
WF-003	Wood Floor	2nd floor, Bldg. 11			Х		_		<del></del>
WF-004	Wood Floor	Duplicate of WF-003	-		Х		_		
WF-005	Wood Floor	2nd floor, Bldg. 12			X				

		Table 3-1. Analytical Summary Re	eques	t					
						Analyse	s		
	LABEL	Location Description	TCLP Metals	TCLP SVOCs	PCBs (8082)	TCL BNA Organics (SVOC's 8270)	VOCs	DRO	TAL Metals (6010B/7471A)
WF-006	Wood Floor	2nd floor, Bldg. 18			Х				
WF-007	Wood Floor	2nd floor, Bldg. 21			Χ				
WF-008	Wood Floor	2nd floor, Bldg. 10			Х				
WF-009	Wood Floor	2nd floor, Bldg. 22			Х				
WF-010	Wood Floor	2nd floor, Bldg. 12			Х				
WF-011	Wood Floor	2nd floor, Bldg. 12			Х				
WF-012	Wood Floor	2nd floor, Bldg. 5			Х				
WF-013	Wood Floor	2nd floor, Bldg. 4			Х				
WF-014	Wood Floor	2nd floor, Bldg. 6			Х				
WF-015	Wood Floor	2nd floor, Bldg. 4			Х				
WF-016	Wood Floor	Bldg. 3			Х				
WF-017	Wood Floor	Bldg. 3			Х				
WF-018	Wood Floor	Bldg. 3			Х				
WF-019	Wood Floor	5th floor, Bldg. 1			Х				
WF-020	Wood Floor	4th floor, Bldg. 1			Х				
WF-021	Wood Floor	6th floor, Bldg. 3			Х				
WF-022	Wood Floor	5th floor, Bldg. 3			Х				
WF-023	Wood Floor	4th floor, Bldg. 3			Х				
WF-024	Wood Floor	3rd floor, Bldg. 3			Х				

	Je						15T	TCLP METALS & SVOCs (mg/L)	SVOCs (mg/L	•				
ANALYTE	Regulatory Leve	Highest Result (Algm)	SED-013	\$ED-01¢	SED-018	910-03S	Z10-03S	810-038	8ED-019	SED-020	SED-021	SED-033	2ED-05¢	MB-001
Arsenic	5.0		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	100.0	3.120	1.00 U	1.00 U	3.120	2.680	1.380	1.00 U	1.00 U	1.320	2.030	1.00 U	1.00 U	1.00 U
Cadmium	1.0		0.124	0.100 U	0.462	0.403	0.100 U	0.100 U	0.100 U	0.100 U	1.570	0.100 U	0.100 U	0.100 U
Chromium	5.0	0.100	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Lead	5.0	4.700	0.100 U	0.100 U	0.210	0.158	0.100 U	0.100 U	0.100 U	1.360	2.680	0.388	0.152	0.100 U
Mercury	0.2	0.003	0.003	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Selenium	1.0	0.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Silver	5.0	0.100	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
1,4-Dichlorobenzene	7.5	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2,4-Dinitrotoluene	0.1	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachlorobenzene	0.1	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachlorobutadiene	0.5	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachloroethane	3.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2-Methylphenol (o-Cresol)	200.0	0.580	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
3 +4-Methylphenol (m+p-Cresol)	200.0	2.400	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Nitrobenzene	2.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Pentrachlorophenol	100.0	1.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Pyridine	5.0	1.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4,5-Trichlorophenol	400.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2,4,6-Trichlorophenol	2.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

Table 3-2. Analytical Summary for Solid Samples TCLP Semivolatile Organic Compounds (SVOCs) and Metals

	jə.						TCLP METALS	TCLP METALS & SVOCs (mg/L)	g/L)				
ANALYTE	Regulatory Lev	Highest Result (Ll/gm)	WB-005	WB-003	MB-003 (S)	WB-004	WB-100	WB-101	MB-006	800-8M	WB-009	MB-010	MB-011
Arsenic	5.0		0.500 U	0.500 U		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Barium	100.0		1.00 U	1.00 U		1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
Cadmium	1.0	2.330	0.155	0.100 U		0.100 U	0.261	0.299	0.100 U	0.100 U	0.100 U	0.278	0.100 U
Chromium	5.0	0.100	0.100 U	0.100 U		0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Lead	5.0	4.700	0.102	0.100 U	1	0.137	0.306	0.483	0.100 U	0.432	0.100 U	0.200	0.181
Mercury	0.2	0.003	0.003 U	0.003 U		0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U
Selenium	1.0	0.500	0.500 U	0.500 U	1	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Silver	9.0		0.100 U	0.100 U	1	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
1.4-Dichlorobenzene	7.5	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2.4-Dinitrotoluene	0.1	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachlorobenzene	0.1	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachlorobutadiene	0.5	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Hexachloroethane	3.0	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2-Methylphenol (o-Cresol)	200.0	0.580	0.100 U	0.580	0.600 D	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
3 +4-Methylphenol (m+p-Cresol)	200.0	2.400	0.100 U	2.100 E	2.400 D	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Nitrobenzene	2.0	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
Pentrachlorophenol	100.0	1,500	0.500 U	0.500 U	1,500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Pyridine	5.0	1.500	0.500 U	0.500 U	1.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
2,4,5-Trichlorophenol	400.0	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U
2,4,6-Trichlorophenol	2.0	0.300	0.100 U	0.100 U	0.300 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U

Solid Samples	ile Organic Compounds (SVOCs) and Metals
<ol><li>Analytical Summary for Solid Sample</li></ol>	Compounds (
Table 3-2. Analytical	at
Tabl	TCLP Semivol

	l9						TCLP MET	TCLP METALS & SVOCs (mg/L)	; (mg/L)				
ANALYTE	Regulatory Lev (mg/L)	Highest Result (mg/L)	001-QNAS	ror-dnas	SOI-GNAS	800-QNA2	£01-dNA2	\$01-QNAS	SOI-GNAS	901-GNAS	₹01-QNAS	801-QNAS	SAND-022
Arsenic	5.0		0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U					
Barium	100.0	3.120	1.840	1.410	1.00 U	1.00 U	1.900	1.050	1.00 U	1.00 U	1.00 U	1.150	1.00 U
Cadmium	1.0	2.330	0.154	0.750	0.100 U	0.100 U	2.330	0.156	0.100 U	0.703	0.677	0.452	0.556
Chromium	5.0	0.100	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Lead	5.0	4.700	1.560	0.304	0.100 U	0.218	4.700	1.020	0.100 U	0.336	0.239	0.367	0.341
Mercury	0.2	0.003	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U	0.003 U					
Selenium	1.0	0.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U					
Silver	5.0		0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
1.4-Dichlorobenzene	7.5	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
2,4-Dinitrotoluene	0.1	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Hexachlorobenzene	0.1	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Hexachlorobutadiene	0.5	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Hexachloroethane	3.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
2-Methylphenol (o-Cresol)	200.0	0.580	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
3 +4-Methylphenol (m+p-Cresol)	200.0	2.400	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Nitrobenzene	2.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Pentrachlorophenol	100.0	1.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U					
Pyridine	5.0	1.500	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U					
2,4,5-Trichlorophenol	400.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
2.4.6-Trichlorophenol	2.0	0.300	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U	0.100 U					
Z,4,0" HIGHIOLOPHISHON	2.7		20000	222.0	222.10				1	1	1		1

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	la					TCLP ME	TCLP METALS & SVOCS (mg/L)	s (mg/L)			
ANALYTE	Regulatory Leve	Highest Result (mg/L)	100-DA	S00-DA	E00-D9	400-DA	900-DA	900-DA	700-QA	800-DA	600-DA
Arsenic	5.0	0.026	0.010 U	0.010 U	0.010 U	0.010 U	0.026	0.010 U	0.010 U	0.010 U	0.010 U
Barium	100.0	0.938	0.054 U	0.112	0.214	0.551	0.692	0.113	0.020 U	0.029	0.374
Cadmium	1.0	0.293	0.005 U	0.005 U	0.005 U	0.005 U	0.039	0.005 U	0.005 U	0.005 U	0.293
Chromium	5.0	0.276	0.010 U	0.010 U	0.010 U	0.010 U	0.276	0.010 U	0.010 U	0.010 U	0.143
Lead	5.0	0.800	0.005 U	0.005 U	0.079	0.045	0.800	0.067	0.025	0.005 U	0.458
Mercury	0.2	0.000	0.000 U	0.000	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U
Selenium	1.0	0.010	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U				
Silver	5.0	0.010	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U				
Benzene	0.5	0.005		0.005 U					0.005 U		
Carbon Tetrachloride	0.5	0.005		0.005 U					0.005 U		
Chlorobenzene	100.0	0.005		0.005 U					0.005 U		
Chloroform	0.9	0.005		0.005 U					0.005 U		
m-Cresol	200.0	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	U 600.0	0.010 U	0.012 U	0.010
p-Cresol	200.0	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	O.009	0.010 U	0.012 U	0.010
1,4-Dichlorobenzene	7.5	0.005		0.005 U					0.005 U		
1,2-Dichloroethane	0.5	0.005		0.005 U					0.005 U		
1,1-Dichloroethylene	0.7	0.005	100	0.005 U					0.005 U		
2,4-Dinitrotoluene	0.1	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	U 600.0	0.010 U	0.012 U	0.010
Hexachlorobenzene	0.1	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	0.009 U	0.010 U	0.012 U	0.010
Hexachlorobutadiene	0.5	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	0.009 U	0.010 U	0.012 U	0.010
Hexachloroethane	3.0	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	U 600.0	0.010 U	0.012 U	0.010
Nitrobenzene	2.0	0.510	0.010 U	0.011 U	0.011 U	U 600.0	0.049 U	U 600.0	0.010 U	0.012 U	0.010
Pentrachlorophenol	100.0	2.500	0.049 U	0.056 U	0.053 U	0.047 U	0.250 U	0.047 U	0.049 U	0.057 U	0.051
Tetrachloroethylene	0.7	0.005		0.005 U					- 1		
Trichloroethylene	0.5	0.020		0.020					0.005 U		
2,4,5-Trichlorophenol	400.0	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	0.009 U	0.010 U	0.012 U	0.010
2,4,6-Trichlorophenol	2.0	0.510	0.010 U	0.011 U	0.011 U	0.009 U	0.049 U	0.009 U	0.010 U	0.012 U	0.010
Vinal oblogido	00	0000		0 000					0.002 U		

Note: Gray = Constituent not analyzed in this sample.

			_	CLP Semivo	atile Organic	Compounds	TCLP Semivolatile Organic Compounds (SVOCs) and Metals	d Metals			
	lə				>	TCLP MET	TCLP METALS & SVOCs (mg/L)	s (mg/L)			
ANALYTE	Regulatory Leve (mg/L)	HuseA tesdeiH (J\gm)	010-DA	110-DA	S10-DA	Ero-DA	410-ΩA	ĕ10-DA	910-DA	710-0A	101-DA
Arsenic		0.026	0.010 U	0.010 U	0.018	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Barium	100.0	0.938	0.170	0.173	0.529	0.130	0.938	0.037	0.037	0.039	0.051
Cadmium	1.0	0.293	0.008	0.008	0.005 U	0.005 U	0.032	0.005 U	0.005 U	0.005 U	0.005 U
Chromium	5.0	0.276	0.018	9:000	0.028	0.010 U	0.067	0.010 U	0.010 U	0.010 U	0.010 U
Lead	5.0	0.800	990.0	0.268	0.119	0.021	0.716	0.018	0.015	0.135	0.027
Mercury	0.2	0.000	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U	0.000 U	0.000	0.000 U
Selenium	1.0	0.010	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Silver	5.0	0.010	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Benzene	0.5	0.005	0.005 U					0.005 U		0.005 U	
Carbon Tetrachloride	0.5	0.005	0.005 U					0.005 U		0.005 U	
Chlorobenzene	100.0	0.005	0.005 U					0.005 U		0.005 U	
Chloroform	0.9	0.005	0.005 U					0.005 U		0.005 U	
m-Cresol	200.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
p-Cresol	200.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
1,4-Dichlorobenzene	7.5	0.005	0.005 U					0.005 U		0.005 U	
1,2-Dichloroethane	0.5	0.005	0.005 U					0.005 U		0.005 U	
1,1-Dichloroethylene	0.7	0.005	0.005 U					0.005 U		0.005 U	
2,4-Dinitrotoluene	0.1	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
Hexachlorobenzene	0.1	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
Hexachlorobutadiene	0.5	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
Hexachloroethane	3.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 U
Nitrobenzene	2.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	0.011 U	0.010 U	0.012 U	0.100 L
Pentrachlorophenol	100.0	2.500	0.053 U	0.050 U	2.300 U	0.057 U	2.500 U	0.056 U	0.051 U	0.057 U	0.500 L
Tetrachloroethylene	0.7	0.005	0.005 U					0.005 U		0.005 U	
Trichloroethylene	0.5	0.020	0.005 U					0.005 U		- 1	
2,4,5-Trichlorophenol	400.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U	- 1	- 1	- 1	0.100 L
2,4,6-Trichlorophenol	2.0	0.510	0.011 U	0.010 U	0.470 U	0.011 U	0.510 U		0.010 U	0.012 U	0.100
Vinyl chloride	00	0000	0000					0.002 U		0.002 U	

Note: Gray = Constituent not analyzed in this sample

	•	Table 3-4. A	nalytical Su PCBs (m		PCB Grab S	amples		
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260	Total PCB Result
SED-001	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
SED-002	0.200 U	0.410 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	U
SED-003	18.000 U	36.000 U	18.000 U	66.000	18.000 U	24.000	18.000 U	90.00
SED-004	0.250 U	0.520 U	0.250 U	0.250 U	0.250 U	0.250 U	0.590	0.59
SED-005	0.200 U	0.400 U	0.200 U	0.200 U	0.200 U	1.900	0.200 U	1.90
SED-006	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SED-007	27.000 U	54.000 U	27.000 U	27.000 U	27.000 U	140.000	27.000 U	140.00
SED-008	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SED-009	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SED-010	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SED-011	0.250 U	0.520 U	0.250 U	0.250 U	0.250 U	2.400	0.250 U	2.40
SED-012	0.260 U	0.540 U	0.260 U	0.260 U	0.260 U	0.620	0.260 U	0.62
WF-001	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.500	1.300	2.80
WF-002	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.000	0.560	1.56
WF-003	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.580	0.480	1.06
WF-004	0.066 U	0.130 U	0.066 U	0.066 U	0.066 U	1.000	0.066 U	1.00
WF-005	0.330 U	0.670 U	0.330 U	0.330 U	0.330 U	4.300	0.330 U	4.30
WF-006	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WF-007	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WF-008	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WF-009	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.220	0.033 U	0.22
WF-010	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	2.000	0.170 U	2.00
WF-011	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.580	0.033 U	0.58
WF-012	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.220	0.033 U	0.22
WF-013	0.033 U	0.067 U	0.033 U	0.033 U	0.130	0.033 U	0.033 U	0.13
WF-014	0.033 U	0.067 U	0.033 U	0.033 U	0.330	0.560	0.033 U	0.89
WF-015	0.033 U	0.067 U	0.033 U	0.033 U	0.660	0.033 U	0.033 U	0.66
WF-016	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.600	0.033 U	0.60
WF-017	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.590	0.033 U	0.59
WF-018	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WF-019	0.033 U	0.067 U	0.033 U	0.033 U	0.280	0.280 P	0.033 U	0.56
WF-020	0.033 U	0.067 U	0.033 U	0.033 U	0.580	0.033 U	0.033 U	0.58
WF-021	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.600	0.170 U	1.60
WF-022	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.100	0.170 U	1.10
WF-023	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.420	0.033 U	0.42
WF-024	0.170 U	0.340 U	0.170 U	0.170 U	0.560	1.200 P	0.170 U	1.76
CON-001	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-002	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U

	ī	able 3-4. A	nalytical Su	mmary for	PCB Grab Sa	amples		
			PCBs (mg					
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260	Total PCB Result
CON-003	0.180 U	0.370 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-004	0.170 U	0.350 U	0.170 U	0.170 U	0.670	0.170 U	0.170 U	0.67
CON-005	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.510	0.170 U	0.51
CON-006	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-007	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-008	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-009	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-010	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-011	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-012	1.80 U	3.60 U	1.80 U	1.80 U	1.80 U	10.000	1.80 U	10.00
CON-013	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-014	0.850 U	1.700 U	0.850 U	0.850 U	0.850 U	0.850 U	5.100	5.10
CON-015	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-016	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.740	0.170 U	0.74
CON-017	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.300	0.170 U	1.30
CON-018	0.180 U	0.370 U	0.180 U	0.180 U	0.180 U	1.500	0.780	2.28
CON-019	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.340	0.170 U	0.34
CON-020	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-020 (2)	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-021	0.850 U	1.700 U	0.850 U	0.850 U	0.850 U	4.200	0.850 U	4.20
CON-022	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.500	0.180 U	0.50
CON-023	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-024	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-025	0.170 U	0.340 U	0.170 U	0.170 U	0.650	0.900	0.170 U	1.55
CON-026	0.190 U	0.380 U	0.190 U	0.190 U	0.190 U	0.190 U	0.190 U	U
CON-027	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.390	0.170 U	0.39
CON-028	0.830 U	1.700 U	0.830 U	0.830 U	0.830 U	2.800	0.83	3.63
CON-029	0.850 U	1.700 U	0.850 U	0.850 U	0.850 U	3.500	0.850 U	3.50
CON-030	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-031	0.190 U	0.380 U	0.190 U	0.190 U	0.190 U	0.860	0.190 U	0.86
CON-032	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-033	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-034	0.170 U	0.350 U	0.170 U	0.170 U	0.460	0.760	0.170 U	1.22
CON-035	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-036	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.370	0.170 U	0.37
CON-037	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-038	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-039	0.180 U	0.380 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U

		Table 3-4. A	The state of the s		PCB Grab S	amples		
			PCBs (m	g/kg)				
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260	Total PCB Result
CON-040	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-041	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-042	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-043	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-044	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-044 (2)	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-045	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-046	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.510	0.51
CON-047	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-048	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-049	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-050	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-051	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-052	0.170 U	0.360 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-053	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-054	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-055	0.180 U	0.360 U	0.180 U	0.180 U	0.180 U	0.260	0.180 U	0.26
CON-056	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.570	0.170 U	0.57
CON-057	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-058	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.680	0.450	1.13
CON-059	0.180 U	0.370 U	0.180 U	0.180 U	0.180 U	0.180 U	0.180 U	U
CON-060	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.460	0.170 U	0.46
CON-061	0.170 U	0.340 U	0.170 U	0.810	0.170 U	0.170 U	0.450	1.26
CON-062	1.700 U	3.400 U	1.700 U	5.500	1.700 U	1.700 U	5.4	10.90
CON-063	18.000 U	36.000 U	18.000 U	56.000	18.000 U	18.000 U	18.000 U	56.00
CON-064	1.700 U	3.500 U	1.700 U	1.700 U	1.700 U	8.400	7.400	15.80
CON-065	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
CON-066	17.000 U	35.000 U	17.000 U	53.000	17.000 U	17.000 U	17.000 U	53.00
CON-067	0.880 U	1.800 U	0.880 U	2.800 U	0.880 U	0.880 U	0.880 U	U
CON-100	0.180 U	0.370 U	0.180 U	0.180 U	0.180 U	1.000	1.000	2.00
CON-101	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.290	0.170 U	0.29
CON-102	17.000 U	35.000 U	17.000 U	77.000	17.000 U	17.000 U	17.000 U	77.00
WB-001	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-002	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-003	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-004	0.170 U	0.340 U	0.170 U	0.170 U	0.170 U	1.100	0.170 U	1.10
WB-100	0.330 U	0.670 U	0.330 U	0.330 U	0.330 U	2.300	0.330 U	2.30
WB-101	0.330 U	0.670 U	0.330 U	0.330 U	0.330 U	2.400	0.330 U	2.40

	1	able 3-4. A	nalytical Su	ımmary for	PCB Grab S	Samples		
			PCBs (m	ig/kg)				
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260	Total PCB Result
WB-006	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-008	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-009	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-010	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
WB-011	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
SAND-100	0.200 U	0.400 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	U
SAND-100 (2)	0.200 U	0.400 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	U
SAND-101	0.200 U	0.400 U	0.200 U	0.200 U	0.890	0.200 U	0.200 U	0.89
SAND-101 (2)	0.200 U	0.400 U	0.200 U	0.200 U	0.620	0.200 U	0.200 U	0.62
SAND-102	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SAND-102 (2)	0.170 U	0.350 U	0.170 U	0.170 U	0.170 U	0.170 U	0.170 U	U
SAND-008	0.430 U	0.870 U	0.430 U	0.430 U	0.430 U	2.700	0.430 U	2.70
SAND-008 (2)	0.430 U	0.870 U	0.430 U	0.430 U	0.430 U	2.300	0.430 U	2.30
SAND-103	0.380 U	0.770 U	0.380 U	0.380 U	0.380 U	0.380 U	1.700	1.70
SAND-103 (2)	0.380 U	0.770 U	0.380 U	0.380 U	0.380 U	0.380 U	1.400	1.40
SAND-104 <sup>1</sup>	2.100 U	4.300 U	2.100 U	2.100 U	2.100 U	11.000	2.100 U	11.00
SAND-105	0.930 U	1.900 U	0.930 U	0.930 U	0.930 U	4.000	0.930 U	4.00
SAND-106	0.410 U	0.820 U	0.410 U	0.410 U	0.410 U	0.410 U	0.410 U	U
SAND-106 (2)	0.410 U	0.820 U	0.410 U	0.410 U	0.410 U	0.410 U	0.410 U	U
SAND-107	0.400 U	0.810 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	U
SAND-107 (2)	0.400 U	0.810 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	U
SAND-108	0.200 U	0.400 U	0.200 U	0.200 U	0.200 U	1.600	0.200 U	1.60
SAND-108 (2)	0.200 U	0.400 U	0.200 U	0.200 U	0.200 U	1.300	0.200 U	1.30
SAND-022	0.190 U	0.380 U	0.190 U	0.190 U	0.190 U	1.100	0.190 U	1.10
SAND-022 (2)	0.190 U	0.380 U	0.190 U	0.190 U	0.190 U	1.100	0.190 U	1.10
6A1bestos Siding 1	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U
6A1bestos Siding 2	0.033 U	0.067 U	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	U

		Table 3-4.	Analytical S	ummary for	PCB Grab	Samples		
			PCBs (I	mg/kg)				
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260	Total PCB Result
			PCBs	mg/L)				
AQ-001	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-002	0.001 U	0.0021 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-003	0.00095 U	0.0019 U	0.00095 U	0.00095 U	0.00095 U	0.00095 U	0.00095 U	U
AQ-004	0.00095 U	0.0019 U	0.00095 U	0.00095 U	0.00095 U	0.00095 U	0.00095 U	U
AQ-005	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-006	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	U
AQ-007	0.00098 U	0.002 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	U
AQ-008	0.00098 U	0.002 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	0.00098 U	U
AQ-009	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-010	0.001 U	0.0021 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-011	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	U
AQ-012	0.0011 U	0.0021 U	0.0011 U	0.0011 U	0.0025	0.0011 U	0.0011 U	0.0025
AQ-012 (2)	0.0011 U	0.0022 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	U
AQ-013	0.0011 U	0.0021 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	U
AQ-014	0.0022 U	0.0042 U	0.0022 U	0.0022 U	0.0022 U	21.000	0.0022 U	21.00
AQ-015	0.0012 U	0.0024 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	0.0012 U	U
AQ-016	0.001 U	0.0021 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
AQ-017	0.0011 U	0.0023 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	0.0011 U	U
AQ-101	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	U
OIL-001	10.000 U	20.000 U	10.000 U	10.000 U	10.000 U	10.000 U	10.000 U	U

## NOTES:

<sup>&</sup>lt;sup>2</sup> Eleven SAND samples were run several times but not between compliant CCV's. The CCV's failed due to sample matrix. Both sets of data have been reported out.

	LEGEND		
150	Result >50	mg/L	

<sup>&</sup>lt;sup>1</sup> Site QC was requested for SAND-104, however, due to lack of volume, QC was performed on SAND-103.

	Tabl	le 3-5. Analyti	ical summary	for PCB Wipe	Samples		
			PCB V	VIPE (μg/100 sq	cm)		
SAMPLE LABEL	PCB 1016	PCB 1221	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB1260
WIPE-001	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-002	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-003	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-004	10 U	20 U	10 U	45	10 U	11 U	12 U
WIPE-005	2.0 U	4.0 U	2.0 U	4.6	2.0 U	2.0 U	2.0 U
WIPE-006	4.0 U	8.0 U	4.0 U	29	4.0 U	4.0 U	4.0 U
WIPE-007	4.0 U	8.0 U	4.0 U	28	4.0 U	4.0 U	4.0 U
WIPE-008	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-009	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-010	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-011	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-012	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-013	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-014	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-015	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-016	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-017	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-018	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-019	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	5.8	2.0 U
WIPE-020	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-021	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-022	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.9
WIPE-023	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-024	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-025	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-026	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
WIPE-027	2.0 U	4.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	SAND-100	T	SAND-101	SAND-102	- 1	SAND-008	
SVOC ANALYTE ACENAPHTHENE	20000	U	39000 L		J	21000	1
ACENAPHTHYLENE	20000	U	39000 L		J	8700	
CETOPHENONE	20000	U	39000 U		U	21000	
NTHRACENE	2500	J	39000 U		J	12000	-
TRAZINE	20000	U	39000 U		U	21000	J
ENZALDEHYDE	20000	U	39000 U		U	21000	
BENZO(A)ANTHRACENE	5100	J	39000 U			16000	
BENZO(A)PYRENE	3900	J	39000 U	_		18000	_
BENZO(B)FLUORANTHENE	11000	J	39000 U	41000		25000	
BENZO(G.H.I)PERYLENE	6000	J	39000 U	24000		17000	
BENZO(K)FLUORANTHENE	9700	J	39000 U	37000		20000	
1,1'-BIPHENYL	20000	U	39000 U		U	21000	
BUTYL BENZYL PHTHALATE	20000	U	39000 U	6900	U	21000	
DI-N-BUTYLPHTHALATE	20000	U	39000	6900	U	21000	
CAPROLACTAM	20000	U	39000	6900	U	21000	
CARBAZOLE	20000	U		1700	J	3600	_
NDENO(1,2,3-CD)PYRENE	5900	J		23000	$\neg$	16000	
4-CHLOROANILINE	20000	U		6900	U	21000	_
BIS(-2-CHLOROETHOXY)METHANE	20000	U		6900	U	21000	_
BIS(2-CHLOROETHYL)ETHER	20000	U		J 6900	U	21000	_
2-CHLORONAPHTHALENE	20000	U		J 6900	U	21000	_
2-CHLOROPHENOL	20000	U		6900	U	21000	_
2.2'-OXYBIS(1-CHLOROPROPANE)	20000	U		J 6900	U	21000	_
CHRYSENE	11000	J		32000	-	26000	_
DIBENZO(A,H)ANTHRACENE	20000	U		6200	,l	6500	_
DIBENZOFURAN	20000	U		2100	J	5600	_
8,3'-DICHLOROBENZIDINE	20000	U		6900	U	21000	_
	20000	U		U 6900	U	21000	_
2,4-DICHLOROPHENOL	20000	U		U 6900	U	21000	_
DIETHYLPHTHALATE	20000	U		J 6900	U	21000	_
DIMETHYL PHTHALATE		U		U 6900	U	21000	_
2,4-DIMETHYLPHENOL	20000	U		J 36000	U	110000	_
2,4-DINITROPHENOL	100000	$\rightarrow$		U 6900	U	21000	_
2,4-DINITROTOLUENE	20000	U		U 6900	U	21000	_
2,6-DINITROTOLUENE	20000	U			- 1	21000	_
BIS(2-ETHYLHEXYL)PHTHALATE	5700	J		U 3700 U 58000	J	25000	_
FLUORANTHENE	17000	J		U 2100	-	21000	_
FLUORENE	20000	U		U 6900	U	21000	_
HEXACHLOROBENZENE	20000	$\rightarrow$			U	21000	_
HEXACHLOROBUTADIENE	20000	U			U	21000	_
HEXACHLOROCYCLOPENTADIENE	20000	U		U 6900	_	21000	_
HEXACHLOROETHANE	20000	U	200.00.00.00	U 6900	U	21000	_
SOPHORONE	20000	U		U 6900			_
2-METHYLNAPHTHALENE	20000	U	A CONTRACTOR OF THE PARTY OF TH	U 740	U	3600	_
4,6-DINITRO-2-METHYLPHENOL	100000	U		U 36000	_	110000	_
4-CHLORO-3-METHYLPHENOL	20000	U		U 6900	U	21000	_
2-METHYLPHENOL	20000	U		U 6900	U	21000	_
4-METHYLPHENOL	20000	U		U 6900	U	21000	_
NAPHTHALENE	20000	U		U 1000	J	4700	_
2-NITROANILINE	100000	U		U 36000	U	110000	_
3-NITROANILINE	100000	U		U 36000	U	110000	_
4-NITROANILINE	100000	U		U 36000	U	110000	_
NITROBENZENE	20000	U		U 6900	U	21000	_
2-NITROPHENOL	20000	U		U 6900	U	21000	_
4-NITROPHENOL	100000	U		U 36000	U	110000	_
N-NITROSODIPHENYLAMINE	20000	U		U 6900	U	21000	_
DI-N-OCTYL PHTHALATE	20000	U		U 6900	U	21000	_
PENTACHLOROPHENOL	100000	U		U 36000	U	110000	_
PHENANTHRENE	5900	J		U 14000		16000	_
PHENOL	20000	U		U 6900	U	21000	_
4-BROMOPHENYL-PHENYLETHER	20000	U		U 6900	U	21000	_
4-CHLOROPHENYL-PHENYLETHER	20000	U		U 6900	U	21000	
N-NITROSO-DI-N-PROPYLAMINE	20000	U		U 6900	U	21000	
PYRENE	12000	J	39000	U 86000		20000	
2,4,6-TRICHLOROPHENOL	20000	U	39000	U 6900	U	21000	
2,4,5-TRICHLOROPHENOL	20000	U		U 6900	U	21000	
TERPHENYL-d14	0	D	0	D 0	D	0	
NITROBENZENE-d5	0	D	0	D 0	D	0	
PHENOL-d6	0	D	0	D 0	D	0	
2-FLUOROBIPHENYL	0	D	0	D 0	D	0	
2-FLUOROPHENOL	0	D	0	D 0	D	0	
	0	D	0	D 0	D	0	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	SAND-100	SAND-101	SAND-102	SAND-008	
	3AND-100	SAND-101	SAIND-TOE	<u>07110 000</u>	
ACETONE BENZENE					
BROMODICHLOROMETHANE					
BROMOFORM					
BROMOMETHANE					
2-BUTANONE (MEK)					
METHYL-TERT-BUTYL ETHER					
CARBON DISULFIDE	to the second				
CARBON TETRACHLORIDE					
CHLOROBENZENE					
CHLOROETHANE					
CHLOROFORM				ESSESSED NO.	
CHLOROMETHANE					
1,2-DIBROMO-3-CHLOROPROPANE		A STATE OF THE STATE OF			
CYCLOHEXANE					
DIBROMOCHLOROMETHANE				ESTERNATION AND A	
1,2-DIBROMOETHANE			100		
1,3-DICHLOROBENZENE		Edit at Special			
1,4-DICHLOROBENZENE					
1,2-DICHLOROBENZENE				D. S.	
DICHLORODIFLUOROMETHANE					
1,1-DICHLOROETHANE					
1,2-DICHLOROETHANE					
1,1-DICHLOROETHENE					
CIS-1,2-DICHLOROETHENE					
TRANS-1,2-DICHLOROETHENE					
1,2-DICHLOROPROPANE					
CIS-1,3-DICHLOROPROPENE					
TRANS-1,3-DICHLOROPROPENE					
ETHYLBENZENE					
2-HEXANONE					
ISOPROPYLBENZENE	100 C				
METHYL ACETATE					
METHYLCYCLOHEXANE					
METHYLENE CHLORIDE		CASE DE LA CONTRACTOR D	50 S 65 S 6		
4-METHYL-2-PENTANONE (MIBK)		200 200 200 200 200			
STYRENE					
1,1,2,2-TETRACHLOROETHANE					
TETRACHLOROETHENE					
TOLUENE	0.000				
1,2,4-TRICHLOROBENZENE			CONTRACTOR OF STREET		
1,1,1-TRICHLOROETHANE				Dell'and the large	
1,1,2-TRICHLOROETHANE		MANS REPORTED	Control of the Contro	100 mm	
TRICHLOROETHENE					
TRICHLOROFLUOROMETHANE				(60000000000000000000000000000000000000	
1.1.2-TRICHLORO1.2.2-TRIFLUOROETHANE					
VINYL CHLORIDE  O-XYLENE					
M+P-XYLENE					

DIESEL RANGE ORGANICS	
DIESEL RANGE ORGANICS	

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	SAND-103	AN 	SAND-104		SAND-105	-	SAND-106	
ACENAPHTHENE		u	6600	J	3100	J	15000	_
ACENAPHTHYLENE		J	8200	J	4700	J	8800	_
ACETOPHENONE		u	42000	U	19000	U	41000	_
ANTHRACENE		J	36000	J	13000	J	38000	_
ATRAZINE		u	42000	U	19000	U	41000	_
BENZALDEHYDE		u	42000	U	19000	U	41000	_
		J	57000	-	35000	-	52000	_
BENZO(A)ANTHRACENE		J	31000	J	16000	J	29000	_
BENZO(A)PYRENE		-	55000	U	22000	-	38000	_
BENZO(B)FLUORANTHENE		J		-		-	21000	-
BENZO(G,H,I)PERYLENE		J	24000	J	11000	J		_
BENZO(K)FLUORANTHENE		J	42000	J	22000		37000	_
1,1'-BIPHENYL		U	42000	U	19000	U	41000	_
BUTYL BENZYL PHTHALATE		U	42000	U	19000	U	41000	_
DI-N-BUTYLPHTHALATE		U	42000	U	19000	U	41000	_
CAPROLACTAM		U	42000	U	19000	U	41000	_
CARBAZOLE	2200	J	24000	J	4000	J	9300	
NDENO(1,2,3-CD)PYRENE	11000	J	24000	J	10000	J	21000	
4-CHLOROANILINE	19000	U	42000	U	19000	U	41000	
BIS(-2-CHLOROETHOXY)METHANE	19000	U	42000	U	19000	U	41000	
BIS(2-CHLOROETHYL)ETHER	19000	U	42000	U	19000	U	41000	
2-CHLORONAPHTHALENE	19000	u	42000	U	19000	U	41000	Ī
2-CHLOROPHENOL		u	42000	U	19000	U	41000	_
2.2'-OXYBIS(1-CHLOROPROPANE)		Ū	42000	U	19000	U	41000	-
CHRYSENE	15000	J	74000		32000		60000	-
DIBENZO(A,H)ANTHRACENE	4800	J	12000	J	3400	J	9800	-
DIBENZOFURAN		U	8200	J	2600	J	11000	-
		U	42000	U	19000	U	41000	-
3,3'-DICHLOROBENZIDINE		-		_		U		-
2,4-DICHLOROPHENOL		U	42000	U	19000	_	41000	_
DIETHYLPHTHALATE		U	42000	U	19000	U	41000	_
DIMETHYL PHTHALATE		U	42000	U	19000	U	41000	_
2,4-DIMETHYLPHENOL		U	42000	U	19000	U	41000	_
2,4-DINITROPHENOL	100000	U	220000	U	100000	U	210000	
2,4-DINITROTOLUENE	19000	U	42000	U	19000	U	41000	
2,6-DINITROTOLUENE	19000	U	42000	U	19000	U	41000	
BIS(2-ETHYLHEXYL)PHTHALATE	19000	U	5600	J	9100	J	12000	
FLUORANTHENE	20000	Т	180000		140000		170000	
FLUORENE	19000	U	29000	J	5500	J	16000	
HEXACHLOROBENZENE	19000	U	42000	U	19000	U	41000	
HEXACHLOROBUTADIENE	19000	U	42000	U	19000	U	41000	Π
HEXACHLOROCYCLOPENTADIENE	19000	U	42000	U	19000	U	41000	Τ
HEXACHLOROETHANE	19000	U	42000	U	19000	U	41000	_
ISOPHORONE		U	42000	U	19000	U	41000	_
2-METHYLNAPHTHALENE		U	42000	U	19000	U	41000	-
4.6-DINITRO-2-METHYLPHENOL		U	220000	U	100000	U	210000	-
		-		U			5400	-
4-CHLORO-3-METHYLPHENOL		U	42000	_	6200	J		-
2-METHYLPHENOL		U	42000	U	19000	Ü	41000	_
4-METHYLPHENOL		U	42000	U		U	41000	_
NAPHTHALENE		U	42000	U		U	41000	_
2-NITROANILINE		U	220000	U		U	210000	_
3-NITROANILINE		U	220000	U	100000	U	210000	_
4-NITROANILINE		U	220000	U		U	210000	_
NITROBENZENE		U	42000	U	19000	U	41000	_
2-NITROPHENOL		U	42000	U	19000	U	41000	
4-NITROPHENOL	100000	U	220000	U	100000	U	210000	
N-NITROSODIPHENYLAMINE	19000	U	42000	U	19000	U	41000	_
DI-N-OCTYL PHTHALATE	19000	U	42000	U	19000	U	41000	_
PENTACHLOROPHENOL	100000	U	220000	U	100000	U	210000	Ī
PHENANTHRENE	4500	J	140000		33000		75000	_
PHENOL	19000	U	42000	U		U	41000	-
4-BROMOPHENYL-PHENYLETHER	19000	U	42000	U	19000	U	41000	-
4-CHLOROPHENYL-PHENYLETHER	19000	U	42000	U		U	41000	-
	19000	U	42000	U		U	41000	-
N-NITROSO-DI-N-PROPYLAMINE		٧		U		U	100000	-
PYRENE	24000	1	100000		86000			_
2,4,6-TRICHLOROPHENOL	19000	U	42000	U		U	41000	_
2,4,5-TRICHLOROPHENOL	19000	U	42000	U		U	41000	_
TERPHENYL-d14	0	D	0	D		D	0	_
NITROBENZENE-d5	0	D	0	D	0	D	0	
PHENOL-d6	0	D	0	D	0	D	0	1
2-FLUOROBIPHENYL	0	D	0	D	0	D	0	
2-FLUOROPHENOL	0	D	0	D	0	D	0	
	0	D	0	0		D	0	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	VOLATILES ORGANIC			
VOC ANALYTE	SAND-103	SAND-104	SAND-105	SAND-106
ACETONE				
BENZENE		Mark Services		
BROMODICHLOROMETHANE				REPORT OF THE
BROMOFORM				
BROMOMETHANE	THE RESIDENCE OF THE PARTY OF T			
2-BUTANONE (MEK)				Part of the second
METHYL-TERT-BUTYL ETHER		BIGGING CO.		
CARBON DISULFIDE			RESERVED 200 TABLE	
CARBON TETRACHLORIDE				
CHLOROBENZENE				BER CHEE
CHLOROETHANE				
CHLOROFORM		THE RESERVE OF		
CHLOROMETHANE		DO SOME BUILDING	er constant	
1,2-DIBROMO-3-CHLOROPROPANE				
CYCLOHEXANE				
DIBROMOCHLOROMETHANE				
1.2-DIBROMOETHANE				
1.3-DICHLOROBENZENE				
1.4-DICHLOROBENZENE				
1.2-DICHLOROBENZENE				Name of the least
DICHLORODIFLUOROMETHANE				
1,1-DICHLOROETHANE				
1,2-DICHLOROETHANE				
1.1-DICHLOROETHENE		HAUDER CONTRACTOR		1992
CIS-1,2-DICHLOROETHENE				
TRANS-1.2-DICHLOROETHENE				5017/6555555
1,2-DICHLOROPROPANE				OR USE OF THE REAL PROPERTY.
CIS-1,3-DICHLOROPROPENE				
TRANS-1,3-DICHLOROPROPENE				B 0 2 5 5 5 1
ETHYLBENZENE				
2-HEXANONE				Keep Land Control
ISOPROPYLBENZENE				
METHYL ACETATE				
METHYLCYCLOHEXANE		RATE OF THE PARTY		
METHYLENE CHLORIDE				
4-METHYL-2-PENTANONE (MIBK)				
STYRENE				
1.1.2.2-TETRACHLOROETHANE				
TETRACHLOROETHENE				
TOLUENE				
1.2.4-TRICHLOROBENZENE				
1101				
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE				
TRICHLOROETHENE				
				CONTRACTOR OF STREET
TRICHLOROFLUOROMETHANE				
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE				
VINYL CHLORIDE				
O-XYLENE	Process Superior Control			

DIESEL RANGE ORGANICS	DIESEL RANGE ORGANICS (ug/kg)						
DIESEL RANGE ORGANICS		29000000	18000000				

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	SEMIVOLATILES ORGANIC COMPOUNDS (ug/kg)           OC ANALYTE         SAND-107         SAND-108				SAND-022	WB-006		
ACENAPHTHENE	22000	J	12000	J	8500	J	130000	U
ACENAPHTHYLENE	9700	J	7500	J	11000	J	130000	U
ACETOPHENONE	40000	U	20000	U	19000	U	130000	U
ANTHRACENE	64000	+	26000		23000	$\neg$	150000	
ATRAZINE	40000	U	20000	U	19000	U	130000	U
BENZALDEHYDE	40000	U	20000	U	19000	U	130000	U
BENZO(A)ANTHRACENE	68000	$\top$	45000		40000		470000	
BENZO(A)PYRENE	39000	J	30000		27000		230000	
BENZO(B)FLUORANTHENE	46000	$\top$	45000		51000		230000	
BENZO(G,H,I)PERYLENE	22000	J	23000		26000		130000	U
BENZO(K)FLUORANTHENE	43000	$\top$	34000		38000		260000	
1,1'-BIPHENYL	40000	U	20000	U	4300	J	130000	U
BUTYL BENZYL PHTHALATE	40000	U	20000	U	19000	U	130000	U
DI-N-BUTYLPHTHALATE	40000	U	20000	U	19000	U	130000	U
CAPROLACTAM	40000	U	20000	U	19000	U	130000	U
CARBAZOLE	16000	J	7500	J	6700	J	130000	U
INDENO(1,2,3-CD)PYRENE	23000	J	21000		24000		130000	U
4-CHLOROANILINE	40000	U	20000	U	19000	IJ	130000	U
BIS(-2-CHLOROETHOXY)METHANE	40000	U	20000	U	19000	_	130000	U
	40000	U	20000	U	19000	-	130000	U
BIS(2-CHLOROETHYL)ETHER	40000	U	20000	U	19000	_	130000	U
2-CHLORONAPHTHALENE		U	20000	U	19000	_	130000	U
2-CHLOROPHENOL	40000	-		U	19000	_	130000	U
2,2'-OXYBIS(1-CHLOROPROPANE)	40000	U	20000	U		U		U
CHRYSENE	80000	1	50000	-	49000	,	510000	U
DIBENZO(A,H)ANTHRACENE	11000	J	8000	J	8600	_	130000	_
DIBENZOFURAN	16000	J	12000	J	16000		130000	U
3,3'-DICHLOROBENZIDINE	40000	U	20000	U	19000	_	130000	U
2,4-DICHLOROPHENOL	40000	U	20000	U	19000	_	130000	U
DIETHYLPHTHALATE	40000	U	20000	U	19000	_	130000	U
DIMETHYL PHTHALATE	40000	U	20000	U	19000	_	130000	U
2,4-DIMETHYLPHENOL	40000	U	20000	U	19000	_	130000	U
2,4-DINITROPHENOL	210000	U	100000	U	100000	U	680000	U
2,4-DINITROTOLUENE	40000	U	20000	U	19000	U	130000	U
2,6-DINITROTOLUENE	40000	U	20000	U	19000	U	130000	U
BIS(2-ETHYLHEXYL)PHTHALATE	9900	J	3600	J	2300	J	130000	U
FLUORANTHENE	250000		120000		130000		1500000	
FLUORENE	28000	J	11000	J	7500	J	130000	U
HEXACHLOROBENZENE	40000	U	20000	U	19000	U	130000	U
HEXACHLOROBUTADIENE	40000	U	20000	U	19000	U	130000	U
HEXACHLOROCYCLOPENTADIENE	40000	U	20000	U	19000	U	130000	U
HEXACHLOROETHANE	40000	U	20000	U	19000	U	130000	U
ISOPHORONE	40000	U	20000	U	19000	U	130000	U
2-METHYLNAPHTHALENE	40000	U	20000	U	11000	J	130000	U
4.6-DINITRO-2-METHYLPHENOL	210000	U	100000	U	100000	Ú	680000	U
4-CHLORO-3-METHYLPHENOL	11000	J	20000	U	19000	U	130000	U
2-METHYLPHENOL	40000	U	20000	U	19000	_	130000	U
4-METHYLPHENOL	40000	U	20000	U	2300	_	130000	U
NAPHTHALENE	40000	U	2900	J	40000		130000	U
2-NITROANILINE	210000	U	100000	U	100000	[1	680000	U
3-NITROANILINE	210000	U	100000	U	100000	_	680000	U
4-NITROANILINE	210000	U	100000	U	100000		680000	U
NITROBENZENE	40000	U	20000	U	19000	_	130000	U
	40000	U	20000	U	19000	_	130000	U
2-NITROPHENOL	210000	U	100000	U	100000		680000	U
4-NITROPHENOL		U	20000	U	19000	_	130000	U
N-NITROSODIPHENYLAMINE	40000	U	20000	U	19000	_	130000	U
DI-N-OCTYL PHTHALATE	40000	-		U	100000	_	680000	U
PENTACHLOROPHENOL	210000	U	100000	U	53000	-	430000	0
PHENANTHRENE	130000		93000	- 11			-	U
PHENOL	40000	U	20000	U	3600	_	130000	
4-BROMOPHENYL-PHENYLETHER	40000	U	20000	U	19000	_	130000	U
4-CHLOROPHENYL-PHENYLETHER	40000	U	20000	U	19000		130000	U
N-NITROSO-DI-N-PROPYLAMINE	40000	U	20000	U	19000	U	130000	U
PYRENE	130000		92000		93000		1200000	
2,4,6-TRICHLOROPHENOL	40000	U	20000	U	19000	_	130000	U
2,4,5-TRICHLOROPHENOL	40000	U	20000	U	19000	_	130000	U
TERPHENYL-d14	0	D	0	D	0	D	0	D
NITROBENZENE-d5	0	D	0	D	0	D	0	D
PHENOL-d6	0	D	0	D	0	D	0	D
2-FLUOROBIPHENYL	0	D	0	D	0	0	0	D
2-FLUOROPHENOL	0	D	0	D	0		0	D
				-	-	_		

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	VOLATILES ORGANIC SAND-107	SAND-108	SAND-022	WB-006
VOC ANALYTE	<u>SAND-107</u>	SAIND-100	SAIND-UZZ	110-000
ACETONE				
BENZENE				
BROMODICHLOROMETHANE				
BROMOFORM				
BROMOMETHANE				
2-BUTANONE (MEK)				
METHYL-TERT-BUTYL ETHER				
CARBON DISULFIDE				
CARBON TETRACHLORIDE				
CHLOROBENZENE				
CHLOROETHANE		Maria de la companya		
CHLOROFORM		1000000		
CHLOROMETHANE				
1,2-DIBROMO-3-CHLOROPROPANE			ing and all a	
CYCLOHEXANE				
DIBROMOCHLOROMETHANE				
1,2-DIBROMOETHANE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE	1000			
1,2-DICHLOROBENZENE				
DICHLORODIFLUOROMETHANE				
1,1-DICHLOROETHANE				
1,2-DICHLOROETHANE				
1,1-DICHLOROETHENE				
CIS-1,2-DICHLOROETHENE				
TRANS-1,2-DICHLOROETHENE				
1,2-DICHLOROPROPANE				
CIS-1,3-DICHLOROPROPENE				
TRANS-1.3-DICHLOROPROPENE				
ETHYLBENZENE				
2-HEXANONE				
ISOPROPYLBENZENE				
METHYL ACETATE				
METHYLCYCLOHEXANE				
METHYLENE CHLORIDE			OF REPORT OF	
4-METHYL-2-PENTANONE (MIBK)				
STYRENE				
1.1.2.2-TETRACHLOROETHANE				
TETRACHLOROETHENE				
TOLUENE				
1,2,4-TRICHLOROBENZENE			AND SOME SOME	
1,1,1-TRICHLOROETHANE				
1,1,2-TRICHLOROETHANE				
TRICHLOROETHENE				
TRICHLOROFLUOROMETHANE				Carte de la company
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE				
VINYL CHLORIDE				
O-XYLENE M+P-XYLENE				

 DIESEL RANGE ORGANICS
 DIESEL RANGE ORGANICS (ug/kg)

 DIESEL RANGE ORGANICS
 33000000
 5700000
 4700000
 63000000

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	WB-008	1	WB-009	AND DESCRIPTION OF THE PARTY OF	WB-010	WB-011
ACENAPHTHENE	120000	2	130000	U	180000	260000
ACENAPHTHYLENE	66000	U	130000	U	130000 U	130000 U
ACETOPHENONE	66000	U	130000	U	130000 U	130000 U
ANTHRACENE	180000		420000		410000	870000
ATRAZINE	66000	U	130000	U	130000 U	130000 U
BENZALDEHYDE	66000	U	130000	U	130000 U	130000 U
BENZO(A)ANTHRACENE	270000		410000		540000	890000
BENZO(A)PYRENE	120000		220000		340000	450000
BENZO(B)FLUORANTHENE	160000		250000		340000	520000
BENZO(G,H,I)PERYLENE	66000	U	130000	U	220000	230000
BENZO(K)FLUORANTHENE	150000		220000		340000	510000
1.1'-BIPHENYL	66000	U	130000	U	130000 U	130000 U
BUTYL BENZYL PHTHALATE	66000	U	130000	U	130000 U	130000 U
DI-N-BUTYLPHTHALATE	66000	U	130000	U	130000 U	130000 U
CAPROLACTAM	66000	U	130000	U	130000 U	130000 U
CARBAZOLE	100000		200000		230000	750000
INDENO(1,2,3-CD)PYRENE	66000	U	130000	U	200000	220000
4-CHLOROANILINE	66000	U	130000	U	130000 U	130000 U
BIS(-2-CHLOROETHOXY)METHANE	66000	U	130000	U	130000 U	130000 U
BIS(2-CHLOROETHYL)ETHER	66000	U	130000	U	130000 U	130000 U
2-CHLORONAPHTHALENE	66000	U	130000	U	130000 U	130000 U
2-CHLOROPHENOL	66000	U	130000	U	130000 U	130000 U
2,2'-OXYBIS(1-CHLOROPROPANE)	66000	U	130000	U	130000 U	130000 U
CHRYSENE	310000	-	500000	- 7	610000	1100000
DIBENZO(A,H)ANTHRACENE	66000	U	130000	U	130000 U	130000 U
DIBENZOFURAN	130000	-	130000	U	220000	340000
3.3'-DICHLOROBENZIDINE	66000	U	130000	U	130000 U	130000 U
2,4-DICHLOROPHENOL	66000	U	130000	U	130000 U	130000 U
	66000	U	130000	U	130000 U	130000 U
DIETHYLPHTHALATE	66000	U	130000	U	130000 U	130000 U
DIMETHYL PHTHALATE	66000	U	130000	U	130000 U	130000 U
2,4-DIMETHYLPHENOL		U	680000	U	680000 U	680000 U
2,4-DINITROPHENOL	340000	U	130000	U	130000 U	130000 U
2,4-DINITROTOLUENE	66000	_		U	130000 U	130000 U
2,6-DINITROTOLUENE	66000	U	130000	U	130000 U	130000 U
BIS(2-ETHYLHEXYL)PHTHALATE	66000	U	130000	U		2500000 E
FLUORANTHENE	950000		1100000		1400000 270000	350000
FLUORENE	160000	- 0	160000	U	130000 U	130000 U
HEXACHLOROBENZENE	66000	U	130000			130000 U
HEXACHLOROBUTADIENE	66000	U	130000	U		130000 U
HEXACHLOROCYCLOPENTADIENE	66000	U	130000			130000 U
HEXACHLOROETHANE	66000	U	130000	U		
ISOPHORONE	66000	U	130000	U		-
2-METHYLNAPHTHALENE	66000	U	130000	U		
4,6-DINITRO-2-METHYLPHENOL	340000	U	680000	U		
4-CHLORO-3-METHYLPHENOL	66000	U	130000	U	130000 U	130000 U
2-METHYLPHENOL	66000	U	130000	U	130000 U	130000 U
4-METHYLPHENOL	66000	U	130000	U	130000 U	130000 U
NAPHTHALENE	66000	U	130000	U	130000 U	130000 U
2-NITROANILINE	340000	U	680000	U	680000 U	680000 U
3-NITROANILINE	340000	U	680000	U	680000 U	680000 U
4-NITROANILINE	340000	U	680000	U	680000 U	680000 U
NITROBENZENE	66000	U	130000	U	130000 U	130000 U
2-NITROPHENOL	66000	U	130000	U	130000 U	130000 U
4-NITROPHENOL	340000	U	680000	U	680000 U	680000 U
N-NITROSODIPHENYLAMINE	66000	U	130000	U	130000 U	130000 U
DI-N-OCTYL PHTHALATE	66000	U	130000	U	130000 U	130000 U
PENTACHLOROPHENOL	340000	U	680000	U	680000 U	680000 U
PHENANTHRENE	850000		1200000	100	1600000	2700000 E
PHENOL	66000	U	130000	U	130000 U	130000 U
4-BROMOPHENYL-PHENYLETHER	66000	U	130000	U	130000 U	130000 U
4-CHLOROPHENYL-PHENYLETHER	66000	U	130000	U	130000 U	130000 U
N-NITROSO-DI-N-PROPYLAMINE	66000	U	130000	U	130000 U	130000 U
PYRENE	570000		770000		1000000	1700000
2,4,6-TRICHLOROPHENOL	66000	U	130000	U	130000 U	130000 U
2,4,5-TRICHLOROPHENOL	66000	U	130000	U	130000 U	130000 U
TERPHENYL-d14	0	D	0	D	0 D	0 D
NITROBENZENE-d5	0	D	0	D	0 D	0 D
PHENOL-d6	0	D	0	D	0 D	0 D
2-FLUOROBIPHENYL	0	D	0	D	0 D	0 D
2-FLUOROPHENOL	0	D	0	D	0 D	0 D
				D	0 D	0 D

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	The second secon	COMPOUNDS (ug/kg)		
VOC ANALYTE	<u>WB-008</u>	WB-009	<u>WB-010</u>	<u>WB-011</u>
ACETONE				
BENZENE				
BROMODICHLOROMETHANE				
BROMOFORM				
BROMOMETHANE				
2-BUTANONE (MEK)				
METHYL-TERT-BUTYL ETHER				
CARBON DISULFIDE				PIPIPI
CARBON TETRACHLORIDE				
CHLOROBENZENE				70
CHLOROETHANE	100000000000000000000000000000000000000			
CHLOROFORM				
CHLOROMETHANE	10 10 10 10 10 10 10 10 10 10 10 10 10 1			
1.2-DIBROMO-3-CHLOROPROPANE				
CYCLOHEXANE				
DIBROMOCHLOROMETHANE				CAST CONTRACT
1,2-DIBROMOETHANE				ROSE SERVICES
1.3-DICHLOROBENZENE	E01211 2000	Out of the last of		
1,4-DICHLOROBENZENE				
1,2-DICHLOROBENZENE	0.000			
DICHLORODIFLUOROMETHANE		RESPUBLICATION OF		fluxes and the second
1.1-DICHLOROETHANE				
1,2-DICHLOROETHANE				
1.1-DICHLOROETHENE				
CIS-1,2-DICHLOROETHENE				
TRANS-1,2-DICHLOROETHENE			0202800380020	
1.2-DICHLOROPROPANE				
CIS-1,3-DICHLOROPROPENE				
TRANS-1,3-DICHLOROPROPENE			NO TENEDO DO SERVICIO DE LA CONTRACTORIO	
	10.2 TO 10.2 T			
ETHYLBENZENE		KONTO AND		
2-HEXANONE				
ISOPROPYLBENZENE				
METHYL ACETATE				
METHYLCYCLOHEXANE				
METHYLENE CHLORIDE	RESIDENCE DE LA CONTRACTOR DE LA CONTRAC			
4-METHYL-2-PENTANONE (MIBK)				
STYRENE				
1,1,2,2-TETRACHLOROETHANE				
TETRACHLOROETHENE				
TOLUENE				
1,2,4-TRICHLOROBENZENE				
1,1,1-TRICHLOROETHANE				
1,1,2-TRICHLOROETHANE				
TRICHLOROETHENE				
TRICHLOROFLUOROMETHANE				
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE				E-100 (100 (100 (100 (100 (100 (100 (100
VINYL CHLORIDE				
O-XYLENE	July 10 to 1	SE050		
M+P-XYLENE				

DIESEL RANGE ORGANICS	A CONTRACTOR OF THE PARTY OF TH	DIESEL RANGE ORGANICS (ug/kg)				
DIESEL RANGE ORGANICS		37000000	25000000	44000000		

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

auga 111	SEMIVOLA WB-0	101100000000000	GANIC COM	THE RESERVED	138913552 E.C. 115	-002	l wa-	003
SVOC ANALYTE			_				130000	U
CENAPHTHENE	260000	U	130000	U	130000	U		U
ACENAPHTHYLENE	260000	U	130000	U	130000	U	130000	U
ACETOPHENONE	260000	U	130000	U	130000	U	130000	U
ANTHRACENE	890000	D	170000		260000		210000	- 11
ATRAZINE	260000	U	130000	U	130000	U	130000	U
BENZALDEHYDE	260000	U	130000	U	130000	U	130000	U
BENZO(A)ANTHRACENE	930000	D	370000		190000		150000	
BENZO(A)PYRENE	450000	D	190000		130000	U	130000	U
BENZO(B)FLUORANTHENE	580000	D	260000		130000	U	130000	U
BENZO(G,H,I)PERYLENE	260000	U	130000	U	130000	U	130000	U
BENZO(K)FLUORANTHENE	500000	D	220000		130000	U	130000	U
1.1'-BIPHENYL	260000	U	130000	U	130000	U	130000	U
BUTYL BENZYL PHTHALATE	260000	U	130000	U	130000	U	130000	U
DI-N-BUTYLPHTHALATE	260000	U	130000	U	130000	U	130000	U
CAPROLACTAM	260000	U	130000	U	130000	U	130000	U
CARBAZOLE	780000	D	130000	U	250000		220000	
	260000	U	130000	U	130000	U	130000	U
INDENO(1,2,3-CD)PYRENE	260000	U	130000	U	130000	U	130000	U
4-CHLOROANILINE		U	130000	U	130000	U	130000	U
BIS(-2-CHLOROETHOXY)METHANE	260000				-	U	_	U
BIS(2-CHLOROETHYL)ETHER	260000	U	130000	U	130000	U	130000	U
2-CHLORONAPHTHALENE	260000	U	130000	U	130000		1.00000	
2-CHLOROPHENOL	260000	U	130000	U	130000	U	130000	U
2,2'-OXYBIS(1-CHLOROPROPANE)	260000	U	130000	U	130000	U	130000	U
CHRYSENE	1200000	D	460000		240000		200000	
DIBENZO(A,H)ANTHRACENE	260000	U	130000	U	130000	U	130000	U
DIBENZOFURAN	350000	D	130000	U	190000		160000	
3,3'-DICHLOROBENZIDINE	260000	U	130000	U	130000	U	130000	U
2,4-DICHLOROPHENOL	260000	U	130000	U	130000	U	130000	U
DIETHYLPHTHALATE	260000	U	130000	U	130000	U	130000	U
DIMETHYL PHTHALATE	260000	U	130000	U	130000	U	130000	U
2.4-DIMETHYLPHENOL	260000	U	130000	U	130000	U	130000	U
2.4-DINITROPHENOL	1400000	U	680000	U	680000	U	680000	U
2.4-DINITROTOLUENE	260000	U	130000	U	130000	U	130000	U
	260000	U	130000	U	130000	U	130000	U
2,6-DINITROTOLUENE		U	130000	U	130000	U	130000	U
BIS(2-ETHYLHEXYL)PHTHALATE	260000		_	0	570000	U,	500000	- 0
FLUORANTHENE	2800000	D	1200000	- 11		U	_	U
FLUORENE	370000	D	130000	U	130000		130000	U
HEXACHLOROBENZENE	260000	U	130000	U	130000	U	130000	_
HEXACHLOROBUTADIENE	260000	U	130000	U	130000	U	130000	U
HEXACHLOROCYCLOPENTADIENE	260000	U	130000	U	130000	U	130000	U
HEXACHLOROETHANE	260000	U	130000	U	130000	U	130000	U
ISOPHORONE	260000	U	130000	U	130000	U	130000	U
2-METHYLNAPHTHALENE	260000	U	130000	U	130000	U	130000	U
4,6-DINITRO-2-METHYLPHENOL	1400000	U	680000	U	680000	U	680000	U
4-CHLORO-3-METHYLPHENOL	260000	U	130000	U	130000	U	130000	U
2-METHYLPHENOL	260000	U	130000	U	130000	U	130000	U
4-METHYLPHENOL	260000	U	130000	U	130000	U	130000	U
NAPHTHALENE	260000	U	130000	U	130000	U	130000	U
2-NITROANILINE	1400000	U	680000	U	680000	U	680000	U
3-NITROANILINE	1400000	U	680000	U	680000	U	680000	U
4-NITROANILINE	1400000	U	680000	U	680000	U	680000	U
NITROBENZENE	260000	U	130000	U	130000	U	130000	U
2-NITROPHENOL	260000	U	130000	U	130000	U	130000	U
4-NITROPHENOL	1400000	U	680000	U	680000	U	680000	U
		U	130000	U	130000	U	130000	U
N-NITROSODIPHENYLAMINE	260000	U	130000	U	130000	U	130000	U
DI-N-OCTYL PHTHALATE	260000			U		U	680000	U
PENTACHLOROPHENOL	1400000	U	680000	U	680000	U		- 0
PHENANTHRENE	3100000	D	260000	- 11	1300000	111	1000000	1.7
PHENOL	260000	U	130000	U	130000	U	130000	U
4-BROMOPHENYL-PHENYLETHER	260000	U	130000	U	130000	U	130000	U
4-CHLOROPHENYL-PHENYLETHER	260000	U	130000	U	130000	U	130000	Ü
N-NITROSO-DI-N-PROPYLAMINE	260000	U	130000	U	130000	U	130000	U
PYRENE	2000000	D	1200000		390000		310000	
2,4,6-TRICHLOROPHENOL	260000	U	130000	U	130000	U	130000	U
2,4,5-TRICHLOROPHENOL	260000	U	130000	U	130000	U	130000	U
TERPHENYL-d14	0	D	0	D	0	D	0	D
NITROBENZENE-d5	0	D	0	D	0	D	0	D
MITHODEINZEINE-00	0	D	0	D	0	D	0	D
DUENOL 46		U	V	U	U	U	v	U
PHENOL-d6		n	0	D	0	D	0	- 0
PHENOL-d6 2-FLUOROBIPHENYL 2-FLUOROPHENOL	0	D D	0	D D	0	D D	0	D

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

V00 **** VTF	VOLATILES ORGANIC	WB-001	WB-002	WB-003
VOC ANALYTE	WB-011(2)	<u>VVD-001</u>	300-019	110.000
ACETONE				
BENZENE				
BROMODICHLOROMETHANE				
BROMOFORM				
BROMOMETHANE				
2-BUTANONE (MEK)				
METHYL-TERT-BUTYL ETHER				
CARBON DISULFIDE				
CARBON TETRACHLORIDE				
CHLOROBENZENE				
CHLOROETHANE				
CHLOROFORM				
CHLOROMETHANE			100	
1.2-DIBROMO-3-CHLOROPROPANE				
CYCLOHEXANE			Section 200 Last	
DIBROMOCHLOROMETHANE				
1.2-DIBROMOETHANE				
1,3-DICHLOROBENZENE		Programme State		
1.4-DICHLOROBENZENE				
1,2-DICHLOROBENZENE				
DICHLORODIFLUOROMETHANE		Marin Control		
1,1-DICHLOROETHANE		W. C.		
1,2-DICHLOROETHANE				
1,1-DICHLOROETHENE		RESIDENCE SERVICE	64 100 75 100	TEXT DESIGNATION
CIS-1,2-DICHLOROETHENE				
			CATEGORIS STREET	
TRANS-1,2-DICHLOROETHENE			CONTRACTOR OF THE PARTY OF THE	
1,2-DICHLOROPROPANE				Company of the last of the las
CIS-1,3-DICHLOROPROPENE				
TRANS-1,3-DICHLOROPROPENE			INTERNAL DESIGNATION	
ETHYLBENZENE				
2-HEXANONE				
ISOPROPYLBENZENE				
METHYL ACETATE		E TOTAL CONTRACTOR		
METHYLCYCLOHEXANE				
METHYLENE CHLORIDE				
4-METHYL-2-PENTANONE (MIBK)				
STYRENE				
1,1,2,2-TETRACHLOROETHANE				
TETRACHLOROETHENE				
TOLUENE				
1,2,4-TRICHLOROBENZENE				
1,1,1-TRICHLOROETHANE				
1,1,2-TRICHLOROETHANE				
TRICHLOROETHENE				
TRICHLOROFLUOROMETHANE				BEST NEW PROPERTY.
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE				
VINYL CHLORIDE				
O-XYLENE				
M+P-XYLENE				

DIESEL RANGE ORGANICS		
DIESEL RANGE ORGANICS		

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	SEMIVOLATI	17 19 1002 1611			1	. 1	050 010	1 000 000 00
SVOC ANALYTE	<u>WB-00</u>	4	WB-	100	WB-10		SED-013	SED-013 (2)
CENAPHTHENE	66000 L	J	150000			U		
CENAPHTHYLENE	66000 U		130000	U		U		
CETOPHENONE		J	130000	U		U		
NTHRACENE	80000		540000		470000			
ATRAZINE	******	U	130000	U		U		
BENZALDEHYDE	66000 U	U	130000	U		U		
BENZO(A)ANTHRACENE	190000		730000		620000			
BENZO(A)PYRENE	150000		390000		320000			
BENZO(B)FLUORANTHENE	210000		460000		400000			
BENZO(G,H,I)PERYLENE	110000		210000		170000			
BENZO(K)FLUORANTHENE	170000		410000		300000			
1.1'-BIPHENYL	66000	U	130000	U	130000	U		
BUTYL BENZYL PHTHALATE	66000	U	130000	U	130000	U		
DI-N-BUTYLPHTHALATE	66000	U	130000	U	130000	U		
CAPROLACTAM		U	130000	U	130000	U		
CARBAZOLE		U	370000		310000			
NDENO(1,2,3-CD)PYRENE	100000	_	200000		160000			
2.00		U	130000	U	130000	U		
4-CHLOROANILINE		U	130000	U	130000	U		
BIS(-2-CHLOROETHOXY)METHANE			_	U	130000	U		
BIS(2-CHLOROETHYL)ETHER		U	130000	U	130000	U		
2-CHLORONAPHTHALENE		U	130000			U		
2-CHLOROPHENOL		U	130000	U	130000	U		S DOCUMENTS
2,2'-OXYBIS(1-CHLOROPROPANE)		U	130000	U	130000	U		
CHRYSENE	320000		900000		760000			
DIBENZO(A,H)ANTHRACENE		U	130000	U	130000	U		
DIBENZOFURAN		U	150000		130000	U		
3,3'-DICHLOROBENZIDINE	66000	U	130000	U	130000	U		
2,4-DICHLOROPHENOL	66000	U	130000	U	130000	U		
DIETHYLPHTHALATE	66000	U	130000	U	130000	U		
DIMETHYL PHTHALATE	66000	U	130000	U	130000	U		
2.4-DIMETHYLPHENOL	66000	U	130000	U	130000	U		
2.4-DINITROPHENOL	340000	U	680000	U	680000	U		
2.4-DINITROTOLUENE	66000	U	130000	U	130000	U		
2.6-DINITROTOLUENE		U	130000	U	130000	U		
BIS(2-ETHYLHEXYL)PHTHALATE		U	130000	U	130000	U		
	250000	0	1800000		1600000		Name of the last of	
FLUORANTHENE		U	270000		200000			
FLUORENE		U	130000	U	130000	U		
HEXACHLOROBENZENE			_		130000	U		
HEXACHLOROBUTADIENE		U	130000	U		U		
HEXACHLOROCYCLOPENTADIENE		U	130000	U	130000			
HEXACHLOROETHANE		U	130000	U	130000	U		
ISOPHORONE		U	130000	U	130000	U		
2-METHYLNAPHTHALENE	66000	U	130000	U	130000	U		E BOOLDON
4,6-DINITRO-2-METHYLPHENOL	340000	U	680000	U	680000	U		
4-CHLORO-3-METHYLPHENOL	66000	U	130000	U	130000	U		
2-METHYLPHENOL	66000	U	130000	U	130000	U		
4-METHYLPHENOL	66000	U	130000	U	130000	U		
NAPHTHALENE	66000	U	130000	U	130000	U		
2-NITROANILINE	340000	U	680000	U	680000	U		
3-NITROANILINE	340000	U	680000	U	680000	U		
4-NITROANILINE	340000	U	680000	U	680000	U		
NITROBENZENE	66000	U	130000	U	130000	U		
2-NITROPHENOL	66000	U	130000	U	130000	U		
4-NITROPHENOL	340000	U	680000	U	680000	U		
N-NITROSODIPHENYLAMINE	66000	U	130000	U	130000	U		
	66000	U	130000	U	130000	U		
DI-N-OCTYL PHTHALATE	340000	U	680000	U	680000	U		
PENTACHLOROPHENOL		U	2100000	U	1700000	-		
PHENANTHRENE	87000	11	-	U	130000	U		
PHENOL	66000	U	130000					
4-BROMOPHENYL-PHENYLETHER	66000	U	130000	U	130000	U		
4-CHLOROPHENYL-PHENYLETHER	66000	U	130000	U	130000	U		
N-NITROSO-DI-N-PROPYLAMINE	66000	U	130000	U	130000	U		
PYRENE	250000		1400000		1100000			
2,4,6-TRICHLOROPHENOL	66000	U	130000	U	130000	U		
2,4,5-TRICHLOROPHENOL	66000	U	130000	U	130000	U		
TERPHENYL-d14	0	D	0	D	0	D		
NITROBENZENE-d5	0	D	0	D	0	D	Plant of the last	
PHENOL-d6	0	D	0	D	0	D		
2-FLUOROBIPHENYL	0	D	0	D	0	D		
2-FLUOROBIPHENYL 2-FLUOROPHENOL	0	D	0	D	0	D		
COEL IN IEU JEDENICII	Io.	~	ľ	D	0	D		The second secon

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	WB-004	C COMPOUNDS (ug/k WB-100	WB-101	SED-013	1	SED-013	(2)
ACETONE	110.00			78		55	
BENZENE			DECISION SHOWS	5.4	U	5.4	ı
BROMODICHLOROMETHANE				5.4	U	5.4	- 1
				5.4	U	5.4	- 1
BROMOFORM BROMOMETHANE				5.4	U	5.4	-
				11	U	11	
2-BUTANONE (MEK)				5.4	U	5.4	
METHYL-TERT-BUTYL ETHER CARBON DISULFIDE				11	U	11	
				5.4	U	5.4	
CARBON TETRACHLORIDE				5.4	U	5.4	
CHLOROBENZENE				5.4	U	5.4	
CHLOROETHANE				5.4	U	5.4	
CHLOROFORM				5.4	U	5.4	
CHLOROMETHANE				5.4	U	5.4	
1,2-DIBROMO-3-CHLOROPROPANE				5.4	U	5.4	
CYCLOHEXANE				5.4	U	5.4	
DIBROMOCHLOROMETHANE				5.4	U	5.4	_
1,2-DIBROMOETHANE				5.4	U	5.4	
1,3-DICHLOROBENZENE				5.4	U	5.4	_
1,4-DICHLOROBENZENE				5.4	U	5.4	_
1,2-DICHLOROBENZENE				5.4	U	5.4	_
DICHLORODIFLUOROMETHANE	100000000000000000000000000000000000000			5.4	U	5.4	_
1,1-DICHLOROETHANE				5.4	U	5.4	_
1,2-DICHLOROETHANE				5.4	U	5.4	
1,1-DICHLOROETHENE					U	5.4	_
CIS-1,2-DICHLOROETHENE		201112		5.4	U	5.4	_
TRANS-1,2-DICHLOROETHENE				5.4	-		_
1,2-DICHLOROPROPANE			District Control	5.4	U	5.4	_
CIS-1,3-DICHLOROPROPENE		3.5		5.4	U	5.4	_
TRANS-1,3-DICHLOROPROPENE				5.4	U	5.4	_
ETHYLBENZENE		E CONTRACTOR DE		5.4	U	5.4	
2-HEXANONE				11	U	11	_
ISOPROPYLBENZENE				5.4	U	5.4	
METHYL ACETATE				11	U	11	
METHYLCYCLOHEXANE				5.4	U	5.4	
METHYLENE CHLORIDE				9.4	_	6.9	
4-METHYL-2-PENTANONE (MIBK)				11	U	11	
STYRENE				5.4	U	5.4	
1,1,2,2-TETRACHLOROETHANE				5.4	U	5.4	
TETRACHLOROETHENE				5.4	U	5.4	
TOLUENE				5.4	U	5.4	
1,2,4-TRICHLOROBENZENE				5.4	U	5.4	
1,1,1-TRICHLOROETHANE				5.4	U	5.4	
1,1,2-TRICHLOROETHANE				5.4	U	5.4	
TRICHLOROETHENE				5.4	U	5.4	
TRICHLOROFLUOROMETHANE				5.4	U	5.4	
1.1.2-TRICHLORO1.2.2-TRIFLUOROETHANE		and the second		5.4	U	5.4	
VINYL CHLORIDE				5.4	U	5.4	
O-XYLENE				5.4	U	5.4	
M+P-XYLENE				5.4	U	5.4	

DIESEL RANGE ORGANICS			
DIESEL RANGE ORGANICS			

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

OVOC ANALYTE	SEMIVOLATILES OF SED-014	15 Y 4 X 5 S A THEOREM AND A STATE OF STATE OF	1	SED 016
SVOC ANALYTE		SED-015	SED-015 (2)	SED-016
ACENAPHTHENE				
ACENAPHTHYLENE	510000 U			
ACETOPHENONE	510000 U			000000000000000000000000000000000000000
ANTHRACENE	510000 U			
ATRAZINE	510000 U			
BENZALDEHYDE	510000 U	13 0 2 100 30		
BENZO(A)ANTHRACENE	510000 U			
BENZO(A)PYRENE	510000 U			THE PARTY OF
BENZO(B)FLUORANTHENE	510000 U			
BENZO(G,H,I)PERYLENE	510000 U			
BENZO(K)FLUORANTHENE	510000 U			
1,1'-BIPHENYL	510000 U		ASSESSED OF SERVICES	THE RESERVE
BUTYL BENZYL PHTHALATE	510000 U	E MISSING HIS ENGLISH	100000000000000000000000000000000000000	
DI-N-BUTYLPHTHALATE	510000 U			
CAPROLACTAM	510000 U		BROWN STREET	
CARBAZOLE	510000 U			
INDENO(1,2,3-CD)PYRENE	510000 U			
4-CHLOROANILINE	510000 U			
BIS(-2-CHLOROETHOXY)METHANE	510000 U	Market Market Co.	DESCRIPTION OF THE PERSON NAMED IN	0.00
BIS(2-CHLOROETHYL)ETHER	510000 U	100		
2-CHLORONAPHTHALENE	510000 U			E SEPARA
2-CHLOROPHENOL	510000 U			
2,2'-OXYBIS(1-CHLOROPROPANE)	510000 U		ENGRY PROPERTY.	
CHRYSENE	510000 U			
DIBENZO(A,H)ANTHRACENE	510000 U			100000
DIBENZOFURAN	510000 U			
3,3'-DICHLOROBENZIDINE	510000 U			
2,4-DICHLOROPHENOL	510000 U			
DIETHYLPHTHALATE	510000 U			
DIMETHYL PHTHALATE	510000 U			
2.4-DIMETHYLPHENOL				
		HIS BOLL SHOW		
2,4-DINITROPHENOL	2600000 U	MARKETO CHOICE		200000000000000000000000000000000000000
2,4-DINITROTOLUENE	510000 U			
2,6-DINITROTOLUENE	510000 U			
BIS(2-ETHYLHEXYL)PHTHALATE	510000 U			No. of Contract
FLUORANTHENE	510000 U			
FLUORENE	510000 U			
HEXACHLOROBENZENE	510000 U	E BEKO BEDIANIA		
HEXACHLOROBUTADIENE	510000 U			
HEXACHLOROCYCLOPENTADIENE	510000 U			
HEXACHLOROETHANE	510000 U			
ISOPHORONE	510000 U			
2-METHYLNAPHTHALENE	510000 U			
4.6-DINITRO-2-METHYLPHENOL	2600000 U			
		Maria de la companya		
4-CHLORO-3-METHYLPHENOL	510000 U	E CONTRACTOR OF THE CONTRACTOR		
2-METHYLPHENOL	510000 U			
4-METHYLPHENOL	510000 U			
NAPHTHALENE	510000 U			2 2 2
2-NITROANILINE	2600000 U			
3-NITROANILINE	2600000 U			
4-NITROANILINE	2600000 U			
NITROBENZENE	510000 U			
2-NITROPHENOL	510000 U			
4-NITROPHENOL	2600000 U			
N-NITROSODIPHENYLAMINE	510000 U			
DI-N-OCTYL PHTHALATE	510000 U	S. 4 1 - 2 4		
PENTACHLOROPHENOL	2600000 U		ALC: DESIGNATION	
PHENANTHRENE	510000 U			1219090
PHENOL	510000 U		The state of the s	
I-BROMOPHENYL-PHENYLETHER	510000 U			
I-CHLOROPHENYL-PHENYLETHER	510000 U	Z/Aller		
N-NITROSO-DI-N-PROPYLAMINE	510000 U			
PYRENE	510000 U			
2,4,6-TRICHLOROPHENOL	510000 U			
2,4,5-TRICHLOROPHENOL	510000 U			
ERPHENYL-d14	0 D		BOTH STORY	
IITROBENZENE-d5	0 D	RATES STATES		
PHENOL-d6	0 D		A STREET, STRE	
-FLUOROBIPHENYL	0 D			
	V U		Secretary of the latest the lates	The second second
P-FLUOROPHENOL	0 D		STATE OF THE PERSON OF THE PER	WASANT STREET, COLOR

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	SED-014	<u>SED-014</u> <u>SED-015</u>				1	SED-016		
ACETONE	5200	U	38	U	38	U	31	U	
BENZENE	1300	U	9.6	U	9.6	U	7.8	U	
BROMODICHLOROMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
BROMOFORM	1300	U	9.6	U	9.6	U	7.8	U	
BROMOMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
2-BUTANONE (MEK)	2600	U	19	U	19	U	16	U	
METHYL-TERT-BUTYL ETHER	1300	U	9.6	U	9.6	U	7.8	U	
CARBON DISULFIDE	2600	U	19	U	19	U	16	U	
CARBON TETRACHLORIDE	1300	U	9.6	U	9.6	U	7.8	U	
CHLOROBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
CHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
CHLOROFORM	1300	U	9.6	U	9.6	U	7.8	U	
CHLOROMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,2-DIBROMO-3-CHLOROPROPANE	1300	U	9.6	U	9.6	U	7.8	U	
CYCLOHEXANE	1300	U	9.6	U	9.6	U	7.8	U	
DIBROMOCHLOROMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1.2-DIBROMOETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,3-DICHLOROBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
1.4-DICHLOROBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
1,2-DICHLOROBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
DICHLORODIFLUOROMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,1-DICHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,2-DICHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,1-DICHLOROETHENE	1300	U	9.6	U	9.6	U	7.8	Ü	
CIS-1,2-DICHLOROETHENE	1300	U	9.6	U	9.6	U	7.8	U	
TRANS-1.2-DICHLOROETHENE	1300	U	9.6	U	9.6	U	7.8	U	
1.2-DICHLOROPROPANE	1300	U	9.6	U	9.6	U	7.8	U	
CIS-1,3-DICHLOROPROPENE	1300	U	9.6	U	9.6	U	7.8	U	
TRANS-1,3-DICHLOROPROPENE	1300	U	9.6	U	9.6	U	7.8	U	
ETHYLBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
2-HEXANONE	2600	U	19	U	19	U	16	U	
ISOPROPYLBENZENE	3600		9.6	U	9.6	U	7.8	U	
METHYL ACETATE	2600	U	19	U	19	U	16	Ü	
METHYLCYCLOHEXANE	1300	U	9.6	U	9.6	U	7.8	Ü	
METHYLENE CHLORIDE	1300	U	9.6	U	9.6	U	7.8	U	
4-METHYL-2-PENTANONE (MIBK)	2600	U	19	U	19	U	16	U	
STYRENE	1300	U	9.6	U	9.6	U	7.8	U	
1,1.2.2-TETRACHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	Ü	
TETRACHLOROETHENE	1300	U	9.6	U	9.6	U	7.8	U	
TOLUENE	1300	U	9.6	U	9.6	U	7.8	U	
1,2,4-TRICHLOROBENZENE	1300	U	9.6	U	9.6	U	7.8	U	
1,1,1-TRICHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,1,2-TRICHLOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
TRICHLOROETHENE	1300	U	9.6	U	9.6	U	7.8	U	
TRICHLOROFLUOROMETHANE	1300	U	9.6	U	9.6	U	7.8	U	
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE	1300	U	9.6	U	9.6	U	7.8	U	
VINYL CHLORIDE	1300	U	9.6	U	9.6	U	7.8	U	
O-XYLENE	1800		9.6	U	9.6	U	7.8	U	
M+P-XYLENE	1300	U	9.6	U	9.6	U	7.8	U	

DIESEL RANGE ORGANICS
DIESEL RANGE ORGANICS

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	■ 1	RGANIC COMPOUNDS	*CONTRACTOR CONTRACTOR	
SVOC ANALYTE	SED-017	SED-022	SED-023	SED-024
ACENAPHTHENE				
ACENAPHTHYLENE				
ACETOPHENONE				
ANTHRACENE				
ATRAZINE				
BENZALDEHYDE				Market St.
BENZO(A)ANTHRACENE			District Control	
BENZO(A)PYRENE				
BENZO(B)FLUORANTHENE				
BENZO(G,H,I)PERYLENE				
BENZO(K)FLUORANTHENE				
.1'-BIPHENYL				
1				
BUTYL BENZYL PHTHALATE				
DI-N-BUTYLPHTHALATE		STORES CONTRACTOR	DESCRIPTION OF THE PERSON NAMED IN	
CAPROLACTAM				
CARBAZOLE			Barrier San Barrier	
NDENO(1,2,3-CD)PYRENE				
-CHLOROANILINE				
BIS(-2-CHLOROETHOXY)METHANE			Market Ball Ships	
BIS(2-CHLOROETHYL)ETHER				
-CHLORONAPHTHALENE				
-CHLOROPHENOL				
.2'-OXYBIS(1-CHLOROPROPANE)				Market Street
CHRYSENE				
	Transport State Control of the Control			Section Communication
DIBENZO(A,H)ANTHRACENE				
DIBENZOFURAN				
3,3'-DICHLOROBENZIDINE		A Exchange and the second		ESSENSE   1
,4-DICHLOROPHENOL				
DIETHYLPHTHALATE				
DIMETHYL PHTHALATE				
,4-DIMETHYLPHENOL				(II) (II) (II) (II) (II)
.4-DINITROPHENOL				
.4-DINITROTOLUENE				
.6-DINITROTOLUENE	1000 MICH 1990		HIGH SHOULD BE SHOULD BE	
BIS(2-ETHYLHEXYL)PHTHALATE			Edition of the Control	
	State Blooms and			
LUORANTHENE				
LUORENE				STATE OF STA
HEXACHLOROBENZENE		1 022 030 030 030		Kenter State of the State of th
HEXACHLOROBUTADIENE				
HEXACHLOROCYCLOPENTADIENE				
HEXACHLOROETHANE				
SOPHORONE				
-METHYLNAPHTHALENE		B. C.		
.6-DINITRO-2-METHYLPHENOL				00000000000000000000000000000000000000
-CHLORO-3-METHYLPHENOL				THE RESIDENCE OF THE PARTY OF T
-METHYLPHENOL				
-METHYLPHENOL				
IAPHTHALENE				
-NITROANILINE		S SUPERIOR SECTION		
-NITROANILINE				
-NITROANILINE				
ITROBENZENE				
-NITROPHENOL				
-NITROPHENOL		Described by the second		
NITROSODIPHENYLAMINE				BACK SALES
I-N-OCTYL PHTHALATE	No. of the second			
ENTACHLOROPHENOL				
HENANTHRENE			The state of the state of	
HENOL				
BROMOPHENYL-PHENYLETHER				
CHLOROPHENYL-PHENYLETHER				
-NITROSO-DI-N-PROPYLAMINE				
YRENE				
4,6-TRICHLOROPHENOL	E SERVE SE			
4,5-TRICHLOROPHENOL				
ERPHENYL-d14			No. 1	
ITROBENZENE-d5			page and the same	Desiration
HENOL-d6				CONTRACTOR OF THE PARTY OF THE
FLUOROBIPHENYL				
			MANAGEMENT OF THE PARTY OF THE	I PERSONAL PROPERTY OF THE PARTY OF THE PART
FLUOROPHENOL		THE RESERVE OF THE PERSON NAMED IN	STATE OF THE PERSON NAMED IN	The second second

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOLATILES ORGANIC COMPOUNDS (ug/kg) VOC ANALYTE SED-017 SED-022 SED-023 SED-024 ACETONE 24 BENZENE 6.1 BROMODICHLOROMETHANE 6.1 U BROMOFORM 6.1 BROMOMETHANE 6.1 2-BUTANONE (MEK) 12 METHYL-TERT-BUTYL ETHER 6.1 U CARBON DISULFIDE 12 CARBON TETRACHLORIDE 6.1 CHLOROBENZENE 6.1 CHLOROETHANE 6.1 CHLOROFORM 6.1 CHLOROMETHANE U 6.1 1,2-DIBROMO-3-CHLOROPROPANE 6.1 U CYCLOHEXANE 6.1 U DIBROMOCHLOROMETHANE 6.1 1,2-DIBROMOETHANE U 6.1 1,3-DICHLOROBENZENE 6.1 U 1,4-DICHLOROBENZENE 6.1 1,2-DICHLOROBENZENE 6.1 DICHLORODIFLUOROMETHANE 6.1 1.1-DICHLOROETHANE 6.1 U 1,2-DICHLOROETHANE 6.1 1,1-DICHLOROETHENE U 6.1 CIS-1,2-DICHLOROETHENE 6.1 TRANS-1.2-DICHLOROETHENE 6.1 U 1,2-DICHLOROPROPANE 6.1 CIS-1,3-DICHLOROPROPENE U 6.1 TRANS-1,3-DICHLOROPROPENE 6.1 U ETHYLBENZENE U 6.1 2-HEXANONE 12 U ISOPROPYLBENZENE 6.1 U METHYL ACETATE 12 U METHYLCYCLOHEXANE U 6.1 METHYLENE CHLORIDE 6.1 4-METHYL-2-PENTANONE (MIBK) 12 STYRENE 6.1 U 1,1,2,2-TETRACHLOROETHANE 6.1 TETRACHLOROETHENE U 6.1 TOLUENE 6.1 1,2,4-TRICHLOROBENZENE 6.1 U 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE U 6.1 TRICHLOROETHENE 6.1 U TRICHLOROFLUOROMETHANE 6.1 U 1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE 6.1 U VINYL CHLORIDE 6.1 U O-XYLENE 6.1 U M+P-XYLENE

DIESEL RANGE ORGANICS	DIESEL RANGE ORGANICS (ug/kg)						
DIESEL RANGE ORGANICS	3900000	99000000	86000000				

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	SEMIVOLATIL	ES OF	GANIC COMP	OUND	S (ug/L)			
SVOC ANALYTE	AQ-001		AQ-002	2	AQ-003		AQ-004	
ACENAPHTHENE	9.8	U	11	U	11	U	9.3	_
ACENAPHTHYLENE	9.8	U	- 11	U	11	U	9.3	_
ACETOPHENONE	9.8	U	11	U	11	U	9.3	_
ANTHRACENE	9.8	U	11	U	11	U	9.3	_
ATRAZINE	9.8	U	11	U	11	U	9.3	_
BENZALDEHYDE	9.8	U	11	U	11	U	9.3	_
BENZO(A)ANTHRACENE	9.8	U	11	U	11	U	9.3	_
BENZO(A)PYRENE	9.8	U	11	U	11	U	9.3	_
BENZO(B)FLUORANTHENE	9.8	U	11	U	11	U	9.3	_
BENZO(G,H,I)PERYLENE	9.8	U	11	U		_		_
BENZO(K)FLUORANTHENE	9.8	U		_	11	U	9.3	_
1,1'-BIPHENYL		_	11	U	11	U	9.3	_
	9.8	U	11	U	11	U	9.3	_
BUTYL BENZYL PHTHALATE	9.8	U	11	U	11	U	9.3	
DI-N-BUTYLPHTHALATE	9.8	U	11	U	11	U	9.3	
CAPROLACTAM	9.8	U	11	U	11	U	9.3	
CARBAZOLE	9.8	Ü	11	U	11	U	22	
INDENO(1,2,3-CD)PYRENE	9.8	U	11	U	11	U	9.3	
4-CHLOROANILINE	9.8	U	11	U	11	U	9.3	Т
BIS(-2-CHLOROETHOXY)METHANE	9.8	U	11	U	11	U	9.3	_
BIS(2-CHLOROETHYL)ETHER	9.8	U	11	U	11	U	9.3	_
2-CHLORONAPHTHALENE	9.8	U	11	U	11	U	9.3	-
2-CHLOROPHENOL	9.8	U	11	U	11	U	9.3	-
2,2'-OXYBIS(1-CHLOROPROPANE)	9.8	U	11	U	11	U	9.3	_
CHRYSENE	9.8	U	11	U	11	U	9.3	_
DIBENZO(A,H)ANTHRACENE	9.8	U	11	U	11	U	9.3	_
DIBENZOFURAN	9.8	U	11	U	11	U	9.3	_
3,3'-DICHLOROBENZIDINE	9.8	U	11	U	11	U	9.3	_
2,4-DICHLOROPHENOL	9.8	U	11	U		$\rightarrow$		_
DIETHYLPHTHALATE		U			11	U	9.3	_
	9.8	_	11	U	17	-	9.3	_
DIMETHYL PHTHALATE	9.8	U	11	U	11	U	9.3	
2,4-DIMETHYLPHENOL	9.8	U	11	U	11	U	9.3	
2,4-DINITROPHENOL	49	U	56	U	53	U	47	
2,4-DINITROTOLUENE	9.8	U	- 11	U	11	U	9.3	
2,6-DINITROTOLUENE	9.8	U	11	U	11	U	9.3	
BIS(2-ETHYLHEXYL)PHTHALATE	9.8	U	11	U	11	U	9.3	
FLUORANTHENE	9.8	U	11	Ü	11	U	9.3	Т
FLUORENE	9.8	U	11	U	11	U	16	_
HEXACHLOROBENZENE	9.8	U	11	U	11	U	9.3	_
HEXACHLOROBUTADIENE	9.8	U	-11	U	11	U	9.3	_
HEXACHLOROCYCLOPENTADIENE	9.8	U	11	U	11	U	9.3	_
HEXACHLOROETHANE	9.8	U	11	U	- 11	U	9.3	_
SOPHORONE	9.8	U	11	U	11	U	9.3	_
-METHYLNAPHTHALENE	9.8	U	11	U	11	U	9.3	_
.6-DINITRO-2-METHYLPHENOL	49	U	56	U		_		_
-CHLORO-3-METHYLPHENOL					53	U	47	_
	9.8	U	11	U	11	U	9.3	
P-METHYLPHENOL	9.8	U	11	U	- 11	U	9.3	_
-METHYLPHENOL	9.8	U	11	U	11	U	9.3	
NAPHTHALENE	9.8	U	-11	U	11	U	38	
-NITROANILINE	49	U	56	U	53	U	47	
-NITROANILINE	49	U	56	U	53	U	47	Τ
-NITROANILINE	49	U	56	U	53	U	47	Ī
ITROBENZENE	9.8	U	- 11	U	11	U	9.3	_
-NITROPHENOL	9.8	U	11	U	11	U	9.3	_
-NITROPHENOL	49	U	56	U	53	U	47	_
I-NITROSODIPHENYLAMINE	9.8	U	- 11	U	11	U	9.3	-
N-N-OCTYL PHTHALATE	9.8	U	11	U	11	U	9.3	_
ENTACHLOROPHENOL	49	U	56	U	53	U	47	-
HENANTHRENE	9.8	U	11	U	11	U	15	-
HENOL	9.8	U	11	U	11	U	9.3	_
-BROMOPHENYL-PHENYLETHER	9.8	U	11	U	11	U	9.3	-
CHLOROPHENYL-PHENYLETHER	9.8	U	11	U	11	U		_
-NITROSO-DI-N-PROPYLAMINE	9.8	U	11	U		-	9.3	_
YRENE		$\rightarrow$		_	11	U	9.3	_
	9.8	U	11	U	11	U	9.3	_
4,6-TRICHLOROPHENOL	9.8	U	11	U	11	U	9.3	
4,5-TRICHLOROPHENOL	9.8	U	11	U	- 11	U	9.3	
ERPHENYL-d14	89		89		84		84	
TROBENZENE-d5	90		91		90		90	Т
HENOL-d6	31		36		33		30	_
FLUOROBIPHENYL	95	$\neg$	94		90	+	94	_
FLUOROPHENOL	42	$\neg$	48	$\rightarrow$	44	+	39	_
4,6-TRIBROMOPHENOL	83	_	79	$\rightarrow$	84	+	82	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

OMODICHLOROMETHANE OMOFORM OMOMETHANE UTANONE (MEK) THYL-TERT-BUTYL ETHER RBON DISULFIDE RBON TETRACHLORIDE LOROBENZENE LOROFORM LOROMETHANE -DIBROMO-3-CHLOROPROPANE CLOHEXANE RBOMOCHLOROMETHANE -DIBROMOETHANE -DIBROMOETHANE -DICHLOROBENZENE -DICHLOROBENZENE -DICHLOROBENZENE -DICHLOROBENZENE -DICHLOROBENZENE -DICHLOROBETHANE -DICHLOROBENZENE -DICHLOROBETHANE -DICHLOROPROPANE -1,2-DICHLOROETHENE -1,2-DICHLOROETHENE -1,3-DICHLOROPROPENE -1,3-DICHLO	AQ-001	AQ-002	AQ-003	AQ-004
ETONE IZENE DMODICHLOROMETHANE DMODICHLOROMETHANE DMOFORM DMOMETHANE DJANNONE (MEK) THYL-TERT-BUTYL ETHER BBON DISULFIDE BBON TETRACHLORIDE BBON TETRACHLORIDE BBON TETRACHLORIDE BBON DISULFIDE BBON DISULFIDE BBON DISULFIDE BBON DESULFIDE BBON DES		20 U		
BENZENE		5 U	STREET TOTAL STREET	1940.005864.19586
BROMODICHLOROMETHANE		5 U		
BROMOFORM		5 U		
		5 U		
		10 U		
		5 U		1070000000
		10 U		
		5 U		
		5 U		
		5 U		
		5 U		
		5 U		
		-		
		5 U		
		5 U		
		5 U		
		5 U	to the delication of	
vi		5 U		
		5 U		
DICHLORODIFLUOROMETHANE		5 U	SE TRANSPORTED IN	
1,1-DICHLOROETHANE		5 U		
1,2-DICHLOROETHANE		5 U		
1,1-DICHLOROETHENE		5 U		
CIS-1,2-DICHLOROETHENE		42		
TRANS-1,2-DICHLOROETHENE		5 U		
1,2-DICHLOROPROPANE		5 U		
CIS-1,3-DICHLOROPROPENE		5 U		
TRANS-1,3-DICHLOROPROPENE		5 U		
ETHYLBENZENE		5 U		
2-HEXANONE		10 U		
ISOPROPYLBENZENE		5 U		
METHYL ACETATE		10 U		
METHYLCYCLOHEXANE		5 U		
METHYLENE CHLORIDE		5 U		
4-METHYL-2-PENTANONE (MIBK)	1000 1000 1000	10 U	USB STORES	
STYRENE		5 U		
1.1.2.2-TETRACHLOROETHANE		5 U	THE RESIDENCE OF THE PARTY OF T	
TETRACHLOROETHENE		5 U		
TOLUENE		5 U	Exercise and the second	
1.2.4-TRICHLOROBENZENE		5 U		
1,1,1-TRICHLOROETHANE		5 U		
1.1.2-TRICHLOROETHANE		5 U		
TRICHLOROETHENE		20		
TRICHLOROFLUOROMETHANE		5 U		
1.1.2-TRICHLORO1.2.2-TRIFLUOROETHANE				
The state of the s				
VINYL CHLORIDE D-XYLENE		2 U		
M+P-XYLENE		5 U		

DIESEL RANGE ORGANICS
DIESEL RANGE ORGANICS

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	SEMIVOLATILES ORGAN	AQ-006	ALE!	AQ-007	AQ-008	
ACENAPHTHENE	49 U	9.3	U	9.7 U	12	_
ACENAPHTHYLENE	49 U	9.3	U	9.7 U	12	_
ACETOPHENONE	49 U	9.3	U	9.7 U	12	_
ANTHRACENE	49 U	9.3	U	9.7 U	12	_
ATRAZINE	49 U	9.3	U	9.7 U	12	-
BENZALDEHYDE	49 U	9.3	U	9.7 U	12	_
			_	77.00		_
BENZO(A)ANTHRACENE	49 U	9.3	U	9.7 U	12	_
BENZO(A)PYRENE	49 U	9.3	U	9.7 U	12	_
BENZO(B)FLUORANTHENE	49 U	9.3	U	9.7 U	12	_
BENZO(G,H,I)PERYLENE	49 U	9.3	U	9.7 U	12	
BENZO(K)FLUORANTHENE	49 U	9.3	U	9.7 U	12	
,1'-BIPHENYL	49 U	9.3	U	9.7 U	12	
BUTYL BENZYL PHTHALATE	49 U	9.3	U	9.7 U	12	Π
DI-N-BUTYLPHTHALATE	49 U	9.3	U	9.7 U	12	
CAPROLACTAM	49 U	9.3	U	9.7 U	12	_
CARBAZOLE	49 U	9.3	U	9.7 U	12	-
NDENO(1,2,3-CD)PYRENE	49 U	9.3	U	9.7 U	12	-
			$\rightarrow$			-
-CHLOROANILINE	49 U	9.3	U	9.7 U	12	_
BIS(-2-CHLOROETHOXY)METHANE	49 U	9.3	U	9.7 U	12	
BIS(2-CHLOROETHYL)ETHER	49 U	9.3	U	9.7 U	12	_
-CHLORONAPHTHALENE	49 U	9.3	U	9.7 U	12	_
-CHLOROPHENOL	49 U	9.3	U	9.7 U	12	-
,2'-OXYBIS(1-CHLOROPROPANE)	49 U	9.3	U	9.7 U	12	-
CHRYSENE	49 U	9.3	U	9.7 U	12	-
	49 U	9.3	U	9.7 U	12	-
DIBENZO(A,H)ANTHRACENE			_			-
DIBENZOFURAN	49 U	9.3	U	9.7 U	12	_
3,3'-DICHLOROBENZIDINE	49 U	9.3	U	9.7 U	12	
2,4-DICHLOROPHENOL	49 U	9.3	U	9.7 U	12	
DIETHYLPHTHALATE	49 U	9.3	U	9.7 U	12	
DIMETHYL PHTHALATE	49 U	9.3	U	9.7 U	12	_
,4-DIMETHYLPHENOL	49 U	9.3	U	9.7 U	12	_
.4-DINITROPHENOL	250 U	47	U	49 U	57	-
,4-DINITROTOLUENE	49 U	9.3	U	9.7 U	12	-
			$\rightarrow$			-
2,6-DINITROTOLUENE	49 U	9.3	U	9.7 U	12	_
BIS(2-ETHYLHEXYL)PHTHALATE	49 U	9.3	U	9.7 U	12	_
FLUORANTHENE	49 U	9.3	U	9.7 U	12	
FLUORENE	49 U	9.3	U	9.7 U	12	
HEXACHLOROBENZENE	49 U	9.3	U	9.7 U	12	
HEXACHLOROBUTADIENE	49 U	9.3	U	9.7 U	12	_
HEXACHLOROCYCLOPENTADIENE	49 U	9.3	U	9.7 U	12	_
HEXACHLOROETHANE	49 U	9.3	U	9.7 U	12	-
SOPHORONE	49 U	9.3	U	9.7 U	12	-
		790000	_			-
-METHYLNAPHTHALENE	49 U	9.3	U	9.7 U	12	_
,6-DINITRO-2-METHYLPHENOL	250 U	47	U	49 U	57	
-CHLORO-3-METHYLPHENOL	49 U	9.3	U	9.7 U	12	
-METHYLPHENOL	49 U	9.3	U	9.7 U	12	
-METHYLPHENOL	49 U	9.3	U	9.7 U	12	
IAPHTHALENE	49 U	9.3	U	9.7 U	12	_
-NITROANILINE	250 U	47	U	49 U	57	-
-NITROANILINE	250 U	47	U	49 U	57	-
-NITROANILINE		47	U			-
					57	_
ITROBENZENE	49 U	9.3	U	9.7 U	12	_
-NITROPHENOL	49 U	9.3	U	9.7 U	12	_
-NITROPHENOL	250 U	47	U	49 U	57	
-NITROSODIPHENYLAMINE	49 U	9.3	U	9.7 U	12	
I-N-OCTYL PHTHALATE	49 U	9.3	U	9.7 U	12	_
ENTACHLOROPHENOL	250 U	47	U	49 U	57	_
HENANTHRENE	49 U	9.3	U	9.7 U	12	-
HENOL	49 U	9.3	U	9.7 U	12	-
BROMOPHENYL-PHENYLETHER	49 U	9.3	U	9.7 U	12	-
-CHLOROPHENYL-PHENYLETHER			U			-
		9.3	_	9.7 U	12	_
-NITROSO-DI-N-PROPYLAMINE	49 U	9.3	U	9.7 U	12	_
YRENE	49 U	9.3	U	9.7 U	12	
.4,6-TRICHLOROPHENOL	49 U	9.3	U	9.7 U	12	
4,5-TRICHLOROPHENOL	49 U	9.3	U	9.7 U	12	_
ERPHENYL-d14	83	84		94	89	-
ITROBENZENE-d5	80	85	_	87	82	-
			$\rightarrow$			-
HENOL-d6	31	24	_	26	31	_
-FLUOROBIPHENYL	93	83		88	88	
-FLUOROPHENOL	40	36		39	42	
2,4,6-TRIBROMOPHENOL	69	76		78	75	-

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	VOLATILES ORGANIC CO	AQ-006	AQ-007	AQ-008
ACETONE			20 U	
BENZENE			5 U	ON STATE
BROMODICHLOROMETHANE			5 U	
BROMOFORM			5 U	
BROMOMETHANE	POLICE DESCRIPTION		5 U	
2-BUTANONE (MEK)			10 U	
METHYL-TERT-BUTYL ETHER	100 mm (100 mm (100 mm)		5 U	
CARBON DISULFIDE		E-STEEL STEEL	10 U	
CARBON TETRACHLORIDE		RESERVED TO SERVED STATE OF THE SERVED STATE O	5 U	
CHLOROBENZENE			5 U	
CHLOROETHANE			5 U	
CHLOROFORM			5 U	
CHLOROMETHANE			5 U	
1,2-DIBROMO-3-CHLOROPROPANE			5 U	
CYCLOHEXANE			5 U	
DIBROMOCHLOROMETHANE			5 U	
1,2-DIBROMOETHANE			5 U	
			5 U	
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
1,2-DICHLOROBENZENE			5 U	
DICHLORODIFLUOROMETHANE		GAULTON MODERN	5 U	Haran
1,1-DICHLOROETHANE			5 U	
1,2-DICHLOROETHANE			5 U	
1,1-DICHLOROETHENE			5 U	
CIS-1,2-DICHLOROETHENE			5 U	
TRANS-1,2-DICHLOROETHENE		Benicola Securio III de	5 U	
1,2-DICHLOROPROPANE			5 U	
CIS-1,3-DICHLOROPROPENE			5 U	
TRANS-1,3-DICHLOROPROPENE			5 U	A DESCRIPTION
ETHYLBENZENE			5 U	
2-HEXANONE			10 U	
ISOPROPYLBENZENE			5 U	
METHYL ACETATE			10 U	
METHYLCYCLOHEXANE			5 U	
METHYLENE CHLORIDE			5 U	
4-METHYL-2-PENTANONE (MIBK)			10 U	
STYRENE	Eliana accompani		5 U	
1,1,2,2-TETRACHLOROETHANE			5 U	
TETRACHLOROETHENE			5 U	
TOLUENE			5 U	
1,2,4-TRICHLOROBENZENE			5 U	
1,1,1-TRICHLOROETHANE			5 U	
1,1,2-TRICHLOROETHANE			5 U	
TRICHLOROETHENE			5 U	
TRICHLOROFLUOROMETHANE			5 U	
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE			5 U	
VINYL CHLORIDE			2 U	
O-XYLENE			5 U	
M+P-XYLENE			5 U	

DIESEL RANGE ORGANICS		
DIESEL RANGE ORGANICS		

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	SEMIVOLATIL	ES ORG	ANIC COMPO	UNDS	(ug/L)					
SVOC ANALYTE	AQ-009		AQ-010		AQ-011		AQ-012		AQ-013	
CENAPHTHENE	10	U	11	U	10	U	470	U	11	ı
CENAPHTHYLENE	10	U	11	U	10	U	470	U	11	
CETOPHENONE	10	U	11	U	10	U	470	U	11	
NTHRACENE	10	U	11	U	10	U	470	U	11	
TRAZINE	10	U	11	U	10	U	470	U	-11	- 3
BENZALDEHYDE	10	U	11	U	10	U	470	U	- 11	
BENZO(A)ANTHRACENE	10	U	11	U	10	U	470	U	11	
BENZO(A)PYRENE	10	U	11	U	10	U	470	U	11	
BENZO(B)FLUORANTHENE	10	U	11	U	10	U	470	U	11	
BENZO(G,H,I)PERYLENE	10	U	11	U	10	U	470	U	11	
BENZO(K)FLUORANTHENE	10	U	11	U	10	U	470	U	-11	
1,1'-BIPHENYL	10	U	11	U	10	U	470	U	11	
BUTYL BENZYL PHTHALATE	10	U	11	U	10	U	470	U	11	_
DI-N-BUTYLPHTHALATE	10	U	11	U	10	U	470	U	11	_
	10	U	11	U	10	U	470	U	11	_
CAPROLACTAM	10	U	11	U	10	U	470	U	11	_
CARBAZOLE		_	11	U	10	U	470	U	11	_
NDENO(1,2,3-CD)PYRENE	10	U		U	10	U	470	U	11	_
4-CHLOROANILINE	10	U	11	_		$\rightarrow$		U	11	_
BIS(-2-CHLOROETHOXY)METHANE	10	U	11	U	10	U	470	_		_
BIS(2-CHLOROETHYL)ETHER	10	U	11	U	10	U	470	U	11	_
2-CHLORONAPHTHALENE	10	U	11	U	10	U	470	U	11	_
2-CHLOROPHENOL	10	U	11	U	10	U	470	U	11	_
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	11	U	10	U	470	U	11	_
CHRYSENE	10	U	11	U	10	U	470	U	11	_
DIBENZO(A,H)ANTHRACENE	10	U	11	U	10	U	470	U	11	
DIBENZOFURAN	10	U	11	U	10	U	470	U	11	
3.3'-DICHLOROBENZIDINE	10	U	11	U	10	U	470	U	11	
2.4-DICHLOROPHENOL	10	U	11	U	10	U	470	U	11	
DIETHYLPHTHALATE	10	U	- 11	U	10	U	470	U	11	
DIMETHYL PHTHALATE	10	U	11	U	10	U	470	U	11	П
2.4-DIMETHYLPHENOL	10	U	11	U	10	U	470	U	11	Т
	51	U	53	U	50	U	2300	U	57	_
2,4-DINITROPHENOL	10	U	11	U	10	U	470	U	11	_
2,4-DINITROTOLUENE	10	U	11	U	10	U	470	U	11	_
2,6-DINITROTOLUENE		U	11	U	10	U	470	U	11	_
BIS(2-ETHYLHEXYL)PHTHALATE	10	_		U		U	470	U	11	_
FLUORANTHENE	10	U	11	U	10	U	470	U	11	_
FLUORENE	10	U	11	_	10	_		U		_
HEXACHLOROBENZENE	10	U	11	U	10	U	470	_	11	_
HEXACHLOROBUTADIENE	10	U	11	U	10	U	470	U	11	_
HEXACHLOROCYCLOPENTADIENE	10	U	11	U	10	U	470	U	- 11	_
HEXACHLOROETHANE	10	U	- 11	U	10	U	470	U	11	_
ISOPHORONE	10	U	- 11	U	10	U	470	U	11	_
2-METHYLNAPHTHALENE	10	U	11	U	10	U	470	U	11	
4,6-DINITRO-2-METHYLPHENOL	51	U	53	U	50	U	2300	U	57	
4-CHLORO-3-METHYLPHENOL	10	U	11	U	10	U	470	U	11	
2-METHYLPHENOL	10	U	11	U	10	U	470	U	11	
4-METHYLPHENOL	10	U		Ü	10	U	470	U	- 11	
NAPHTHALENE	10	U	11	U	10	U	470	U	11	Т
2-NITROANILINE	51	U	53	U	50	U	2300	U	57	Т
3-NITROANILINE	51	U		U		U	2300	U	57	
4-NITROANILINE	51	U		U	50	U	2300	U	57	_
NITROBENZENE	10	U		U		U		U	11	_
	10	U		U		U	470	U	11	_
2-NITROPHENOL	51	U		U		U		U	57	_
4-NITROPHENOL	10	U		U	_	U	470	U	11	_
N-NITROSODIPHENYLAMINE		U		U		U		U	11	_
DI-N-OCTYL PHTHALATE	10			_		U		U	57	_
PENTACHLOROPHENOL	51	U		U		_		U	11	_
PHENANTHRENE	10	U		U		U	_	U	11	_
PHENOL	10	U		U	_	U		_		_
4-BROMOPHENYL-PHENYLETHER	10	U		U		U		U	11	_
4-CHLOROPHENYL-PHENYLETHER	10	U		U		U		U	11	_
N-NITROSO-DI-N-PROPYLAMINE	10	U		U		U		U	11	_
PYRENE	10	U		U		U		U	-11	_
2,4,6-TRICHLOROPHENOL	10	U	11	U	10	U	470	U	11	
2,4,5-TRICHLOROPHENOL	10	U	11	U	10	U	470	U	11	
	92		82		84			D	117	
									400	_
TERPHENYL-d14	85		85		68			D	102	
TERPHENYL-d14 NITROBENZENE-d5			85 29		68			D	102	_
TERPHENYL-d14 NITROBENZENE-d5 PHENOL-d6	31		29					_		_
TERPHENYL-d14 NITROBENZENE-d5					27			D	20	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	VOLATILES ORGAN	AQ-010	AQ-011	AQ-012	AQ-013
ACETONE		20 U			
BENZENE		5 U			
BROMODICHLOROMETHANE		5 U			
BROMOFORM		5 U			
BROMOMETHANE		5 U			
2-BUTANONE (MEK)		10 U			
METHYL-TERT-BUTYL ETHER		5 U			
CARBON DISULFIDE		10 U			
CARBON TETRACHLORIDE		5 U			
CHLOROBENZENE		5 U			
CHLOROETHANE		5 U			
CHLOROFORM		5 U			
CHLOROMETHANE		5 U			
		5 U		Total Control of the	
1,2-DIBROMO-3-CHLOROPROPANE		5 U			
CYCLOHEXANE		5 0			
DIBROMOCHLOROMETHANE		5 0			
1,2-DIBROMOETHANE		5 0			
1,3-DICHLOROBENZENE		5 0			
1,4-DICHLOROBENZENE					
1,2-DICHLOROBENZENE		5 L			
DICHLORODIFLUOROMETHANE					
1,1-DICHLOROETHANE		5 L			
1,2-DICHLOROETHANE		5 L	ACCOUNT OF THE PARTY OF THE PAR		
1,1-DICHLOROETHENE		5 L			
CIS-1,2-DICHLOROETHENE		5 L			
TRANS-1,2-DICHLOROETHENE		5 L			
1,2-DICHLOROPROPANE		5 L			
CIS-1,3-DICHLOROPROPENE		5 L			D0000000000000000000000000000000000000
TRANS-1,3-DICHLOROPROPENE		5 L			
ETHYLBENZENE		5 L			
2-HEXANONE		10 L			
ISOPROPYLBENZENE		5 L			
METHYL ACETATE		10 L			
METHYLCYCLOHEXANE		5 l		Name of the last	
METHYLENE CHLORIDE					
4-METHYL-2-PENTANONE (MIBK)			J		
STYRENE			J		
1,1,2,2-TETRACHLOROETHANE		5 l	J		
TETRACHLOROETHENE			J		
TOLUENE		5 l	J Salvansina		
1,2,4-TRICHLOROBENZENE		5 l	J		
1,1,1-TRICHLOROETHANE		5 (	U		
1,1,2-TRICHLOROETHANE		5 (	J I		
TRICHLOROETHENE		5 (	U III III III III III III III III III I		
TRICHLOROFLUOROMETHANE		5 (	U		
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE		5	U		
VINYL CHLORIDE		2 1	U MARKANIA M	1965/9120110	
O-XYLENE		5	U		
M+P-XYLENE	SAME OF THE REAL PROPERTY.	5 1	U		

 DIESEL RANGE ORGANICS
 DIESEL RANGE ORGANICS (ug/L)

 DIESEL RANGE ORGANICS
 500
 51000
 1500

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

SVOC ANALYTE	SEMIVOLATILES O	1	AQ-015	T	AQ-016	AQ-017	
ACENAPHTHENE	510	U	11	U	10 U	12	_
ACENAPHTHYLENE	510	U	11	U	10 U	12	_
ACETOPHENONE	510	U	11	U	10 U	12	_
NTHRACENE	510	U	11	U	10 U	12	_
TRAZINE	510	U	11	U	10 U		_
BENZALDEHYDE	510	U	11	U	10 U		_
	510	U	11	U	10 U		_
BENZO(A)ANTHRACENE	510	U	11	U	10 U		_
BENZO(A)PYRENE		U	11	U	10 U		_
BENZO(B)FLUORANTHENE	510	_		U	10 L		-
BENZO(G,H,I)PERYLENE	510	U	11	_			_
BENZO(K)FLUORANTHENE	510	U	11	U	10 L		_
I,1'-BIPHENYL	510	U	11	U	10 L		_
BUTYL BENZYL PHTHALATE	510	U	11	U	10 L		_
DI-N-BUTYLPHTHALATE	510	U	11	U	10 L		
CAPROLACTAM	510	U	11	U	10 L	12	
CARBAZOLE	510	U	11	U	10 L	12	
NDENO(1,2,3-CD)PYRENE	510	U	11	U	10 L	12	
I-CHLOROANILINE	510	U	11	U	10 L	12	Т
BIS(-2-CHLOROETHOXY)METHANE	510	U	11	U	10 L	12	
BIS(2-CHLOROETHYL)ETHER	510	U	11	U	10 L	12	Т
2-CHLORONAPHTHALENE	510	U	11	U	10 L		_
2-CHLOROPHENOL	510	U	11	U	10 L		-
2,2'-OXYBIS(1-CHLOROPROPANE)	510	U	11	U	10 L		-
	510	U	11	U	10 L		_
CHRYSENE	510	U	11	U	10 L		_
DIBENZO(A,H)ANTHRACENE		U		U	10 L		_
DIBENZOFURAN	510		11	U			-
3,3'-DICHLOROBENZIDINE	510	U	.11				_
2,4-DICHLOROPHENOL	510	U	- 11	U	10 L		_
DIETHYLPHTHALATE	510	U	11	U	10 L		_
DIMETHYL PHTHALATE	510	U	11	U	10 l		_
2,4-DIMETHYLPHENOL	510	U	11	U	10 l		
2,4-DINITROPHENOL	2500	U	56	U	51 L		
2,4-DINITROTOLUENE	510	U	11	U	10 l	12	
2,6-DINITROTOLUENE	510	U	11	U	10 l	12	
BIS(2-ETHYLHEXYL)PHTHALATE	510	U	11	U	10 U	12	
FLUORANTHENE	510	U	11	U	10 L	12	Т
FLUORENE	510	U	11	U	10 U	12	Т
HEXACHLOROBENZENE	510	U	11	U	10 U	12	Т
HEXACHLOROBUTADIENE	510	U	- 11	U	10 U		_
HEXACHLOROCYCLOPENTADIENE	510	U	11	U	10 U		_
HEXACHLOROETHANE	510	U	11	U	10 U		_
		U	11	U	10 (		_
ISOPHORONE	510	_		U	10 1		_
2-METHYLNAPHTHALENE	510	U	11	_			_
4,6-DINITRO-2-METHYLPHENOL	2500	U	56	U		57	_
4-CHLORO-3-METHYLPHENOL	510	U	11	U		J 12	_
2-METHYLPHENOL	510	U	11	U		12	_
4-METHYLPHENOL	510	U	- 11	U		12	_
NAPHTHALENE	510	U	11	U		12	
2-NITROANILINE	2500	U	56	U		J 57	
3-NITROANILINE	2500	U	56	U		J 57	
4-NITROANILINE	2500	U	56	U		J 57	
NITROBENZENE	510	U	- 11	U	10	J 12	
2-NITROPHENOL	510	U	11	U	10	J 12	
4-NITROPHENOL	2500	U	56	U	51	57	Ī
N-NITROSODIPHENYLAMINE	510	U	- 11	U	10	12	Т
DI-N-OCTYL PHTHALATE	510	U	11	U	10	12	Т
PENTACHLOROPHENOL	2500	U	56	U	51	57	_
PHENANTHRENE	510	U	11	U		J 12	_
PHENOL	510	U	11	U		J 12	_
4-BROMOPHENYL-PHENYLETHER	510	U	- 11	U		J 12	_
	510	U	11	U		J 12	_
4-CHLOROPHENYL-PHENYLETHER		U		U		J 12	_
N-NITROSO-DI-N-PROPYLAMINE	510	_	- 11	_			_
PYRENE	510	U	- 11	U		J 12	_
2,4,6-TRICHLOROPHENOL	510	U	11	U		J 12	_
2,4,5-TRICHLOROPHENOL	510	U	- 11	U		J 12	_
TERPHENYL-d14		D	87		87	94	
NITROBENZENE-d5		D	91		95	80	
PHENOL-d6		D	33		31	33	
2-FLUOROBIPHENYL		D	92		97	86	Т
2-FLUOROPHENOL		D	44	_	44	44	_
2.4.6-TRIBROMOPHENOL		D	81	-	86	77	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	AQ-014	COMPOUNDS (ug/L) AQ-015	AQ-016	AQ-017	
ACETONE		20 U		20	
BENZENE		5 U		5	
BROMODICHLOROMETHANE		5 U		5	_
BROMOFORM		5 U		5	_
BROMOMETHANE		5 U		5	_
2-BUTANONE (MEK)		10 U		10	_
METHYL-TERT-BUTYL ETHER		5 U		5	_
		10 U		10	_
CARBON DISULFIDE		5 U		5	_
CARBON TETRACHLORIDE		5 U		5	_
CHLOROBENZENE				5	_
CHLOROETHANE					_
CHLOROFORM		5 U		5	_
CHLOROMETHANE		5 U		5	_
1,2-DIBROMO-3-CHLOROPROPANE	000/01/00/00	5 U		5	_
CYCLOHEXANE		5 U		5	_
DIBROMOCHLOROMETHANE		5 U		5	_
1,2-DIBROMOETHANE		5 U		5	_
1,3-DICHLOROBENZENE		5 U		5	_
1,4-DICHLOROBENZENE		5 U		5	_
1,2-DICHLOROBENZENE		5 U		5	_
DICHLORODIFLUOROMETHANE		5 U		5	
1,1-DICHLOROETHANE		5 U		5	
1,2-DICHLOROETHANE		5 U		5	
1,1-DICHLOROETHENE		5 U		5	
CIS-1,2-DICHLOROETHENE		5 U		5	
TRANS-1,2-DICHLOROETHENE		5 U		5	
1,2-DICHLOROPROPANE		5 U		5	
CIS-1,3-DICHLOROPROPENE		5 U	1	5	
TRANS-1.3-DICHLOROPROPENE		5 U		5	
ETHYLBENZENE		5 U		5	П
2-HEXANONE		10 U		10	Т
ISOPROPYLBENZENE		5 U		5	Т
METHYL ACETATE	E 10 10 10 10 10 10 10 10 10 10 10 10 10	10 U		10	Т
METHYLCYCLOHEXANE		5 U		5	_
METHYLENE CHLORIDE		5 U		5	_
4-METHYL-2-PENTANONE (MIBK)	100000 00000000000000000000000000000000	10 U	nessassinge.	10	_
STYRENE		5 U		5	_
1.1,2,2-TETRACHLOROETHANE		5 U		5	_
TETRACHLOROETHENE		5 U		5	_
TOLUENE		5 U		5	_
1.2.4-TRICHLOROBENZENE		5 U		5	_
		5 U	SATE SATE	5	_
1,1,1-TRICHLOROETHANE		5 U		5	-
1,1,2-TRICHLOROETHANE		5 U		5	-
TRICHLOROETHENE				-	_
TRICHLOROFLUOROMETHANE		5 U		5	_
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE	THE RESERVE OF THE PARTY OF THE	5 U		5	_
VINYL CHLORIDE		2 U		2	_
O-XYLENE		5 U	e discourse de la company	5	_
M+P-XYLENE	Carry Branch Co.	5 U		5	_
DIESEL RANGE ORGANICS	1	DIESEL RANGE ORGA	NICS (ug/L)	1	
DIEVEL HANGE ONUANIOO		280	7,1-3-1	2700	_

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

	SEMIVOLATILE	S ORGA		DS (U	
SVOC ANALYTE	AQ-101	_	OIL-001		
ACENAPHTHENE	100	U	100000	U	
ACENAPHTHYLENE	100	U	100000	U	
ACETOPHENONE	100	U	100000	U	
ANTHRACENE	100	U	100000	U	
ATRAZINE	100	U	100000	U	
BENZALDEHYDE	100	U	100000	U	
BENZO(A)ANTHRACENE	100	U	100000	U	
BENZO(A)PYRENE BENZO(B)FLUORANTHENE	100	U	100000	U	
BENZO(G,H,I)PERYLENE	100	U	100000	U	
BENZO(K)FLUORANTHENE	100	U	100000	U	
1,1'-BIPHENYL	100	U	100000	U	
BUTYL BENZYL PHTHALATE	100	U	100000	U	
DI-N-BUTYLPHTHALATE	100	U	100000	U	
CAPROLACTAM	100	U	100000	U	
CARBAZOLE	100	U	100000	U	
INDENO(1,2,3-CD)PYRENE	100	U	100000	U	
4-CHLOROANILINE	100	U	100000	U	
BIS(-2-CHLOROETHOXY)METHANE	100	U	100000	U	
BIS(2-CHLOROETHYL)ETHER	100	U	100000	U	
2-CHLORONAPHTHALENE	100	U	100000	U	
2-CHLOROPHENOL	100	U	100000	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	100	U	100000	U	
CHRYSENE	100	U	100000	U	
DIBENZO(A,H)ANTHRACENE	100	U	100000	U	
DIBENZOFURAN	100	U	100000	U	
3,3'-DICHLOROBENZIDINE	100	U	100000	U	
2,4-DICHLOROPHENOL	100	U	100000	U	
DIETHYLPHTHALATE	100	U	100000	U	
DIMETHYL PHTHALATE	100	U	100000	U	
2,4-DIMETHYLPHENOL	100	U	100000	U	
2,4-DINITROPHENOL	500	U	250000	U	
2,4-DINITROTOLUENE	100	U	100000	U	
2,6-DINITROTOLUENE	100	U	100000	U	
BIS(2-ETHYLHEXYL)PHTHALATE	100	U	100000	U	
FLUORANTHENE	100	U	100000	U	
FLUORENE	100	U	100000	U	
HEXACHLOROBENZENE	100	U	100000	U	
HEXACHLOROBUTADIENE	100	U	100000	U	
HEXACHLOROCYCLOPENTADIENE	100	U	100000	U	
HEXACHLOROETHANE	100	U	100000	U	
ISOPHORONE	100	U	100000	U	
2-METHYLNAPHTHALENE	100	U	100000	U	
4,6-DINITRO-2-METHYLPHENOL	500	U	250000	U	
4-CHLORO-3-METHYLPHENOL	100	U	100000	U	
2-METHYLPHENOL	100	U	100000	U	
4-METHYLPHENOL	100	U	100000	U	
NAPHTHALENE	100	U	100000	U	
2-NITROANILINE	500	U	250000	U	
3-NITROANILINE	500	U	250000	U	
4-NITROANILINE	500	U	250000	U	
NITROBENZENE	100	U	100000	U	
2-NITROPHENOL	100 500	U	250000	U	
4-NITROPHENOL	100	U	100000	U	
N-NITROSODIPHENYLAMINE	100	U	100000	U	
DI-N-OCTYL PHTHALATE PENTACHLOROPHENOL	500	U	250000	U	
PHENANTHRENE	100	U	100000	U	
PHENOL	100	U	100000	U	
4-BROMOPHENYL-PHENYLETHER	100	U	100000	U	
4-CHLOROPHENYL-PHENYLETHER	100	U	100000	U	
N-NITROSO-DI-N-PROPYLAMINE	100	U	100000	U	
PYRENE	100	u	100000	U	
2.4.6-TRICHLOROPHENOL	100	U	100000	U	
2.4.5-TRICHLOROPHENOL	100	U	250000	U	
TERPHENYL-d14	74	3	104		
NITROBENZENE-d5	71	$\rightarrow$	116	_	
PHENOL-d6	23	$\rightarrow$	105	_	
2-FLUOROBIPHENYL	78	_	127		
2-FLUOROPHENOL	36	$\rightarrow$	101	_	
Z-FLUURUPHENUL					

Table 3-6. Analytical Summary for Semivolatile Organic Compounds (SVOCs), Volatile Organic Compounds (VOCs), and Diesel Range Organics (DROs)

VOC ANALYTE	VOLATILES ORGANIC AQ-101	OIL-001	
ACETONE	AQ-101	OIL-WI	
BENZENE			
BROMODICHLOROMETHANE			
BROMOFORM			
BROMOMETHANE			
2-BUTANONE (MEK)			
METHYL-TERT-BUTYL ETHER			
CARBON DISULFIDE			
CARBON TETRACHLORIDE			
CHLOROBENZENE			
CHLOROETHANE			
CHLOROFORM			
CHLOROMETHANE			
1,2-DIBROMO-3-CHLOROPROPANE			
CYCLOHEXANE			
DIBROMOCHLOROMETHANE			
1,2-DIBROMOETHANE			
1,3-DICHLOROBENZENE			
1,4-DICHLOROBENZENE			
1,2-DICHLOROBENZENE			
DICHLORODIFLUOROMETHANE			
1,1-DICHLOROETHANE			
1,2-DICHLOROETHANE			
1.1-DICHLOROETHENE			
CIS-1,2-DICHLOROETHENE			
TRANS-1,2-DICHLOROETHENE			
1,2-DICHLOROPROPANE			
CIS-1,3-DICHLOROPROPENE			
TRANS-1,3-DICHLOROPROPENE			
ETHYLBENZENE			
2-HEXANONE			
ISOPROPYLBENZENE			
METHYL ACETATE			
METHYLCYCLOHEXANE			
METHYLENE CHLORIDE			
4-METHYL-2-PENTANONE (MIBK)			
STYRENE			
1,1,2,2-TETRACHLOROETHANE			
TETRACHLOROETHENE			
TOLUENE			
1.2.4-TRICHLOROBENZENE			
1,1,1-TRICHLOROETHANE			
1.1.2-TRICHLOROETHANE			
TRICHLOROETHENE			
TRICHLOROFLUOROMETHANE			
1,1,2-TRICHLORO1,2,2-TRIFLUOROETHANE			
VINYL CHLORIDE			
O-XYLENE			
M+P-XYLENE			
	Control of the latest		
DIESEL RANGE ORGANICS	DIESEL PANCE OFCAN	100 (1107)	
DIESEL RANGE ORGANICS	DIESEL RANGE ORGAN		
SILULE TINITIGE UNGANIUS	nice subspirit and a second	66000000	

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						L	able 3-7. A	nalytical Su	Table 3-7. Analytical Summary for Total Metals Results	otal Metal	s Results				
			-	ľ				TOTAL M	TOTAL METALS (mg/kg)	a)					
Metal Analyte	A A A A A A A A A A A A A A A A A A A	to the	OD BA	瓠	OTOTAL	TOTAL	TOTAN	ed day	ETOTANA.	TO SA	OT SA	<sup>1</sup> D <sub>T</sub> an	O, ONS	101.0M	OI ONE
Aluminum	655	1520	305			441	67	2	-	Ó	4	ග	-		200
Antimony	0	9	U 5.88	Π	5.94 U	5.94 U	5.94	0.7 U	5.83 U			U 10.4	82.3	28.6	35.8
Barium	48.6	271	255		502	128	342	141	100	353	442	681	328	526	240
Beryllium	0.5 U	0.5	U 0.49	⊃	0.495 U	0.495 U	0.495	U 4.9	U 24.3 U	0.5	U 0.5 L	U 0.476 U		U 5.92 U	L
Cadmium	4.8	6.5	7.2		17	5.7	4.5	9.5	4.5	2.8	12.8	17.7	1	46.8	2
Calcium	1850	3820	2380		3280	2840	7740	17600	24200	2940	3830	4700	18800	20000	61800
Chromium	26.4	39.8	32.1		48.2	30.4	83.8	462	163	46.7	29.9	54.4	552	389	556
Copper	263	195	9.99		102	102	496	814	375	263	968	2050	974	1290	3930
ron	15800	11900	6380		22200	31800	38700	279000	87800	17900	13900	30700	216000	261000	291000
Magnesium	384	1140	622		480	450	1080	1520	1070	339	410	909	4470	6610	3300
Manganese	179	195	153		228	350	541	3560	2100	243	151	275	3560	3530	4790
Nickel	20.5	29.5	20.8		18.8	31.3	81.8	449	297	48.5	36.5	102	408	293	455
Potassium	200 U	200 L	U 239		200 U	741	585	1980	2340	200	U 1240	1480	1370	2070	781
Selenium	2.35	1.95	1.91		1.16	2.8	3.25	7.82	5.62	2.18	2.5	2.63	7.5	7.3	8.8
Silver	1		U 0.98	>	0.99 U	0.99 U	0.99	) 8.8 U	U 0.971 U	-	U 1	J 0.952 U	1.14	U 2.1	1.04
Sodium	170	233	278	+	175	754	850	959	1330	153	1590	1700	491	358	577
Thallium	- C	- -	0.98	⊃	0.99 U	0.99 U	66.0	U 9.8	J 0.971 U	_	U 1	0.952 U	11.4	U 11.8 U	10,4
Zinc	274	929	356		700	231	603	442	457	353	374	1	2380	5630	1460
Vanadium	2 ∩	5	7.5		7.8	4.95 U	7.3	49.2	17.3	12.7	80	10.5	54.4	66.3	61.1
Cobalt	2 ∩	2	1 4.9	>	4.95 U 4	4.95 U	8.2	20.5	12	5	U 5 U	1 4.76 U	20.4	21.1	24
Arsenic	1.2	- D	0.98	⊃	2.7	3.2	1.7	7.3	5.3	2.3	5.9	5.6	11.2	11.9	7
Lead	96	340	75.9			509	169	264	173	235	221	408	5590	1020	1150
Mercury	0.106	0.251	0.193		0.202	0.447	0.0333	U 0.135	0.129	0.195	0.256	0.241	0.259	0.201	0 4 46

tals Results	TOTAL METALS (mg/L)	100%	0.1000 U 0.1000 U 0.1000 U 0.5820	0.0000 U 00000 U 00000	+	5	+	47.3000 48.9000 76.7000 88.2000 13.3000	5	0.0200 U 0.0200 U 0.0200 U 0.0200 U 0.2380	78.0000	t	0.8930	0.0400 U 0.0400 U 0.0400 U 0.0400 U 0.0400 U	+	5	0.0100 U 0.0100 U 0.0100 U 0.0100 U	+	0.0100 U 0.0100 U 0.0100 U 0.0100 U	0.3210 0.0214 0.1430 0.5730 6.0400	0.0500 U 0.0500 U 0.0500 U 0.0500 U	+	0.0100 U	+	=
Table 3-7. Analytical Summary for Total Metals Results	S (mg/kg)	coons,		31.3	1060	5.63 U	48.6	14500	216	1480	302000	2400	3190	234	1020	4.6	2.9	891	11.3 U	1810	50.6	23.3	46.1	1560	2.66
al Summary	TOTAL METALS (mg/kg)	80, ONES		76.9	921	J 59.5 U	53.3	16600	225	2490	297000	2540	2250	202	770	10.1	1.19 U	338	11.9 U	2760	50.8	23.3	28.1	2030	1.25
7. Analytic	TC	TOLONES		35	337	0.604 U	56.3	11400	453	1150	222000	2360	1410	738	762	4.9	1.21 U	282	12.1 U	2770	48	23.9	19.3	522	0.232
Table 3-		80, ONES		36.5	514	0.608 U	55.1	20100	354	977	153000	5480	1510	9009	096	3.9	1.22 U	359	12.2 U	5610	39.8	21.1	13	788	0.265
		SOLONAS	2060	18.6	149	0.571 U	16.3	12700	290	846	272000	2650	2260	229	586	5.6	1.14 U	178	11.4 U	543	66.2	25.9	80	299	0.122
		*OLONES	6830	68.5	541	0.631 U	48.4	15100	523	4170	246000	2910	1960	405	446	6.5	1.7	375	12.6 U	11100	54.9	36.5	15.8	7100	0.0424 U
		co, ones	3450	30.1	1190		92.7	7580	133	1070	82100	1360	875	221	1120	3.3	1.15 U			758	29.1	11.3	12.3		0.16
		°OO OMS	3920	25.7	1210	0.631 U	11.2	5840	254	4860	73500	1320	1170	245	669	4.4	2		25.3 U	1040	32	16.8	ω	- 1	0.0433 U
		Metal Analyte	Aluminum	Antimony	Barium	Beryllium	Cadmium	Calcium	Chromium	Copper	Iron	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Inallium	Zinc	Vanadium	Cobalt	Arsenic	Lead	Mercury

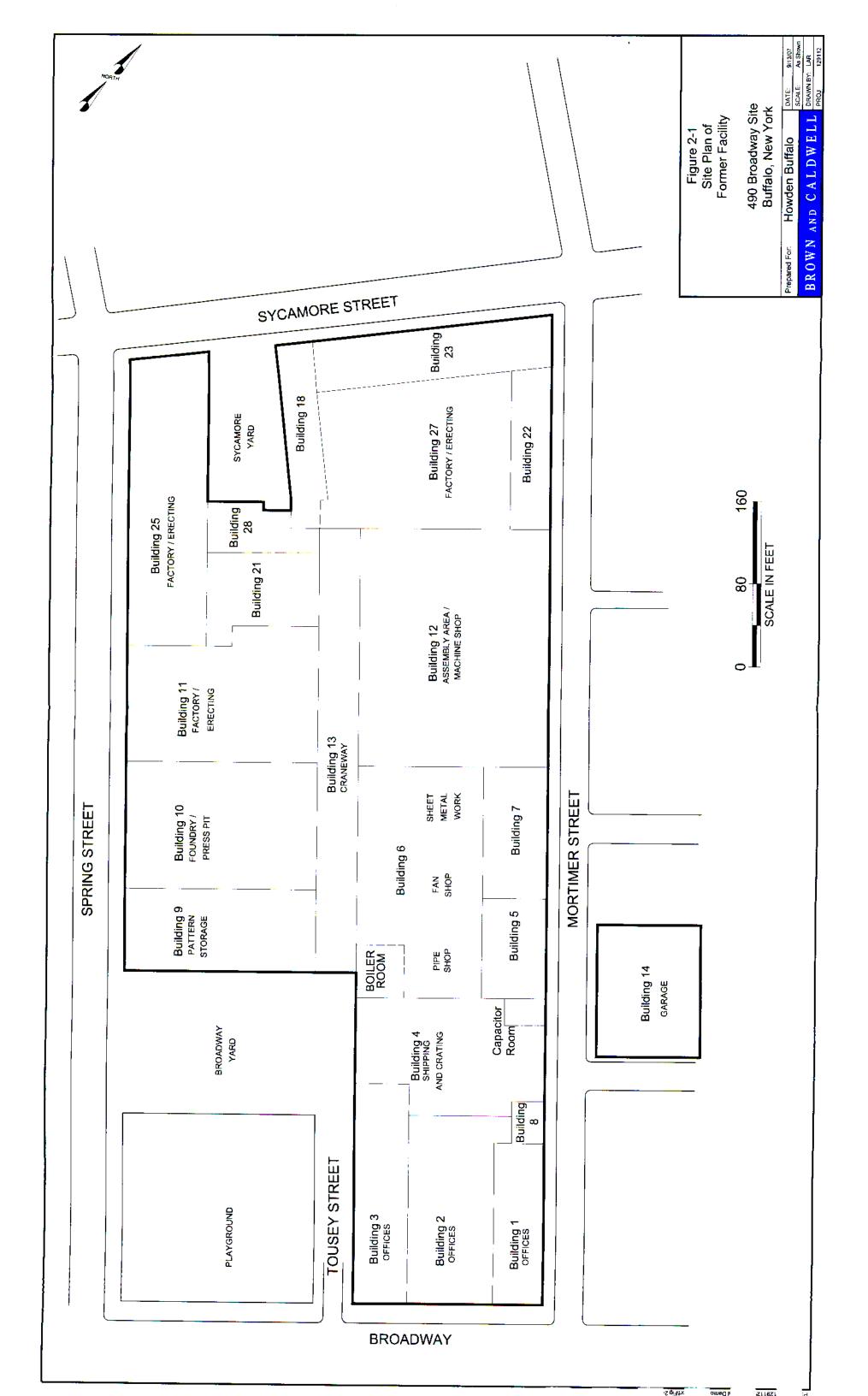
The second second					Table	e 3-7. Anal	ytical Sumn	Table 3-7. Analytical Summary for Total Metals Results	al Metals Re	esults				
							TOTAL METALS (mg/L)	'ALS (mg/L)						
Metal Analyte	80.04	100x	800p	°000p	0100%	100%	÷10.04	£10.0p	*10°0\$	5100p	9100p	1100%	10104	100.710
Aluminum	0.3890	0.1000 U	0.1000 U	1.3600	0.1710	2.6300	2.5000	0.1000 U	4.0200	0.6010	0.4810	0.2240	0.8380	61.9000
Antimony	0.0600 U	U 0090.0	0.0600 U	0.0600 U	0.0600 U	0.0600 U	0.0600 U	0.0600 U	0.0600 U	6.0000 U				
Barium	0.1130	0.0200 U	0.0292	0.3740	0.1700	0.1730	0.5290	0.1300	0.9380	0.0373	0.0372	0.0385	0.0506	6.6300
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.5000 U					
Cadmium	0.0050 U	0.0050 U	0.0050 U	0.2930	0.0077	0.0080	0.0050 U	0.0050 U	0.0323	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.5000 U
Calcium	7.6100	8.2900	64.7000	36.6000	13.2000	52.4000	108.00	43.1000	29.2000	28.6000	30.3000	57.8000	29.7000	216.00
Chromium	0.0100 U	0.0100 U	0.0100 U	0.1430	0.0180	0.0364	0.0283	0.0100 U	0.0670	0.0100 U	0.0100 U	0.0100 U	0.0100 U	1.6300
Copper	0.0200 U	0.0200 U	0.0200 U	0.1470	0.0671	0.1040	0.2960	0.0200 U	0.1860	0.0200 U	0.0233	0.0200 U	0.0472	58.5000
Iron	66.2000	1.8600	0.5380	98.7000	64.1000	15.0000	33.8000	2.5600	42.4000	5.4600	5.5400	7.6000	6.4600	899.00
Magnesium	0.9210	0.8290	25.4000	4.3000	1.1400	9.7600	25.6000	2.6800	13.1000	8.6400	8.7100	22.3000	8.7100	50.0000 U
Manganese	1.0300	0.0501	0.0891	0.7930	0.2600	0.3410	0.6150	0.0982	0.7200	0.1570	0.1570	0.0364	0.2390	5.0800
Nickel	0.0400 U	0.0400 U	0.0400 U	0.1970	0.0400 U	0.0400 U	0.0400 U	0.0400 U	0.0623	0.0400 U	0.0400 U	0.0400 U	0.0400 U	4.0000 U
Potassium	58.1000	2.0000 U	22.3000	19.6000	3.6800	13.6000	94.6000	4.8100	15.2000	33.8000	36.0000	12.4000	35.1000	200.00 U
Selenium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	1.0000 U					
Silver	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	1.0000 U					
Sodium	102.00	0.9140	146.00	17.3000	5.0500	17.7000	87.1000	2.9200	15.2000	84.6000	90.3000	54.8000	89.4000	100.00 U
Thallium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	1.0000 U					
Zinc	0.4040	0.1490	0.0462	0.99.9	0.5000	0.7010	0.7420	0.0702	2.9600	0.0811	0.0831	0.1380	0.1600	17.1000
Vanadium	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	5.0000 U					
Cobalt	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	5.0000 U					
Arsenic	0.0100 U	0.0184	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U	1.0000 U					
Lead	0.0671	0.0245	0.0050 U	0.4580	0.0657	0.2680	0.1190	0.0210	0.7160	0.0178	0.0149	0.1350	0.0273	30.2000
Mercury	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003 U	0.0003	0.0003 U	0.0333 U					

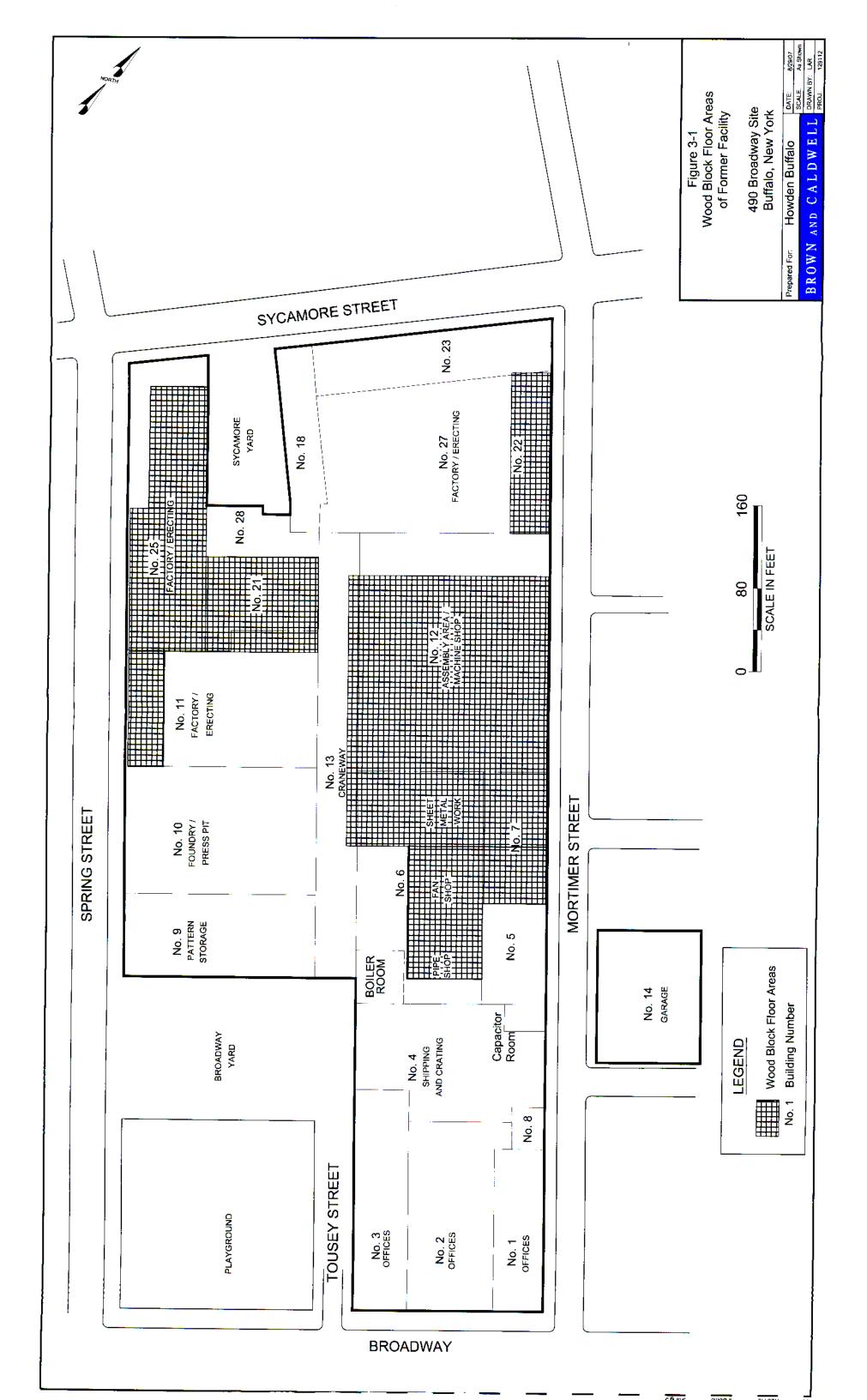
Table	6-1. Analytical Summary	for Black Sand	New York
	<b>Total Metals Analys</b>	is	
Constituent	UNIT	10-FS-001	10-FS-002
ALUMINUM	MG/KG	10500	5980
ANTIMONY	MG/KG	9.05 U	6.83 U
BARIUM	MG/KG	113	81.9
BERYLLIUM	MG/KG	0.911	0.615
CADMIUM	MG/KG	0.777	1.44
CALCIUM	MG/KG	43300	18100
CHROMIUM	MG/KG	27.0	58.3
COPPER	MG/KG	82.1	179
IRON	MG/KG	38500	67500
MAGNESIUM	MG/KG	8110	4580
MANGANESE	MG/KG	1300	3080
NICKEL	MG/KG	22.2	27.9
POTASSIUM	MG/KG	2010	1660
SELENIUM	MG/KG	5.19	8.33
SILVER	MG/KG	1.51 U	3.36
SODIUM	MG/KG	992	1110
THALLIUM	MG/KG	15.1 U	22.8 U
ZINC	MG/KG	219	781
VANADIUM	MG/KG	25.8	24.8
COBALT	MG/KG	7.54 U	7.07
ARSENIC	MG/KG	13.7	25.7
EAD	MG/KG	284	514
MERCURY	MG/KG	0.370	0.0952

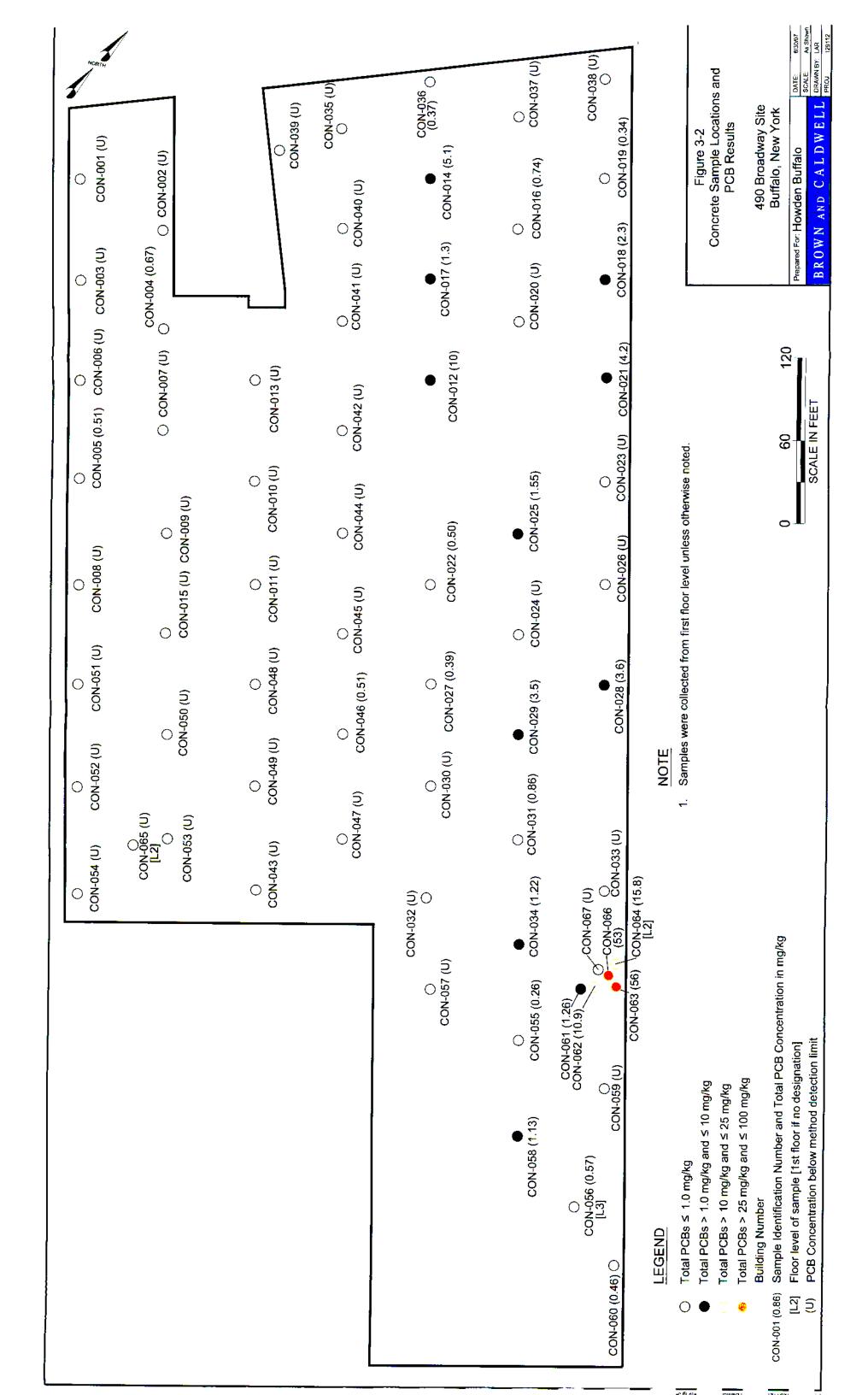
## **TCLP Analysis**

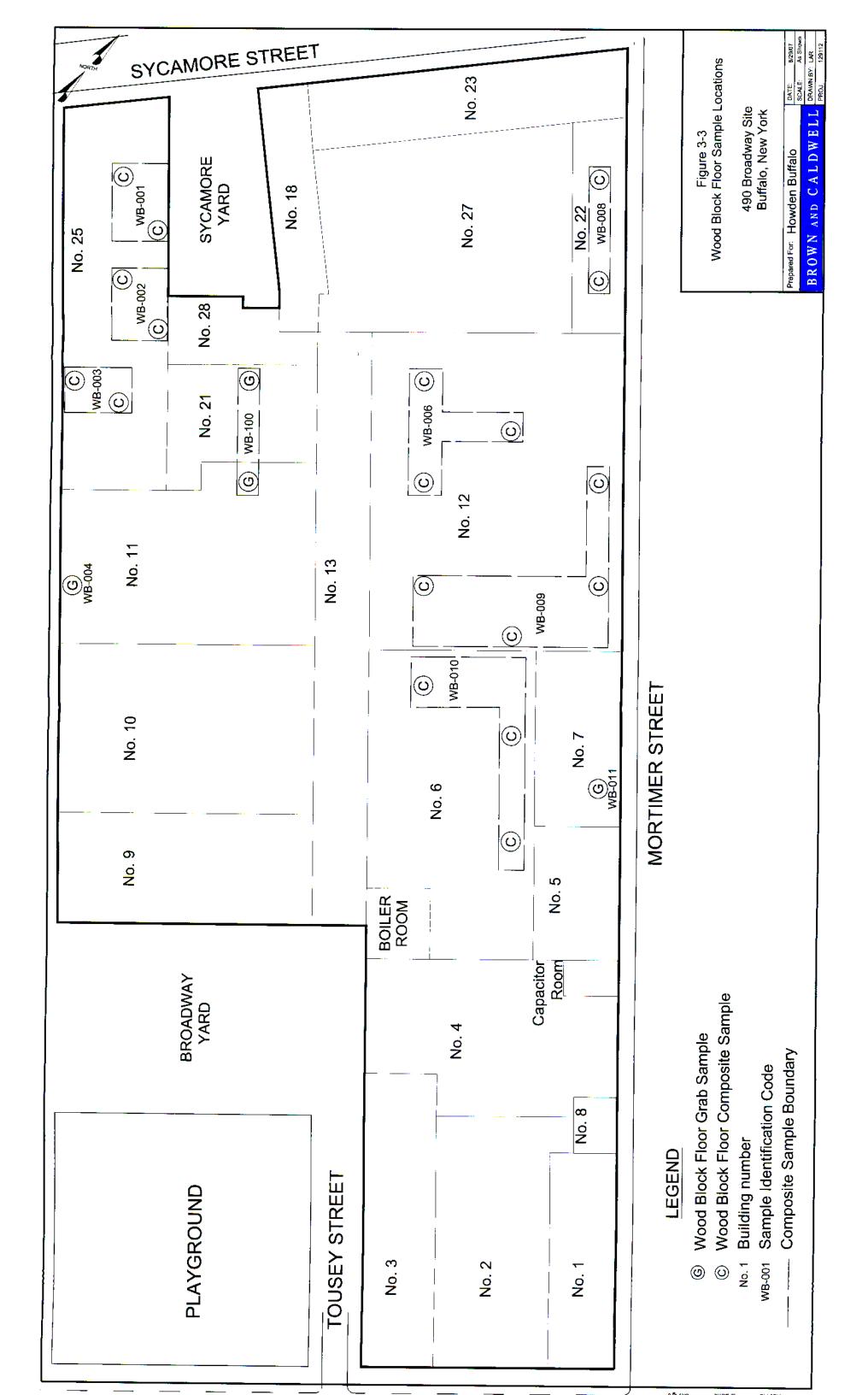
Constituent		9-T	10-T
LEAD	MG/L	0.366	0.100 U
Remaining Metals	MG/L	ND	ND
All SVOCs	MG/L	ND	ND

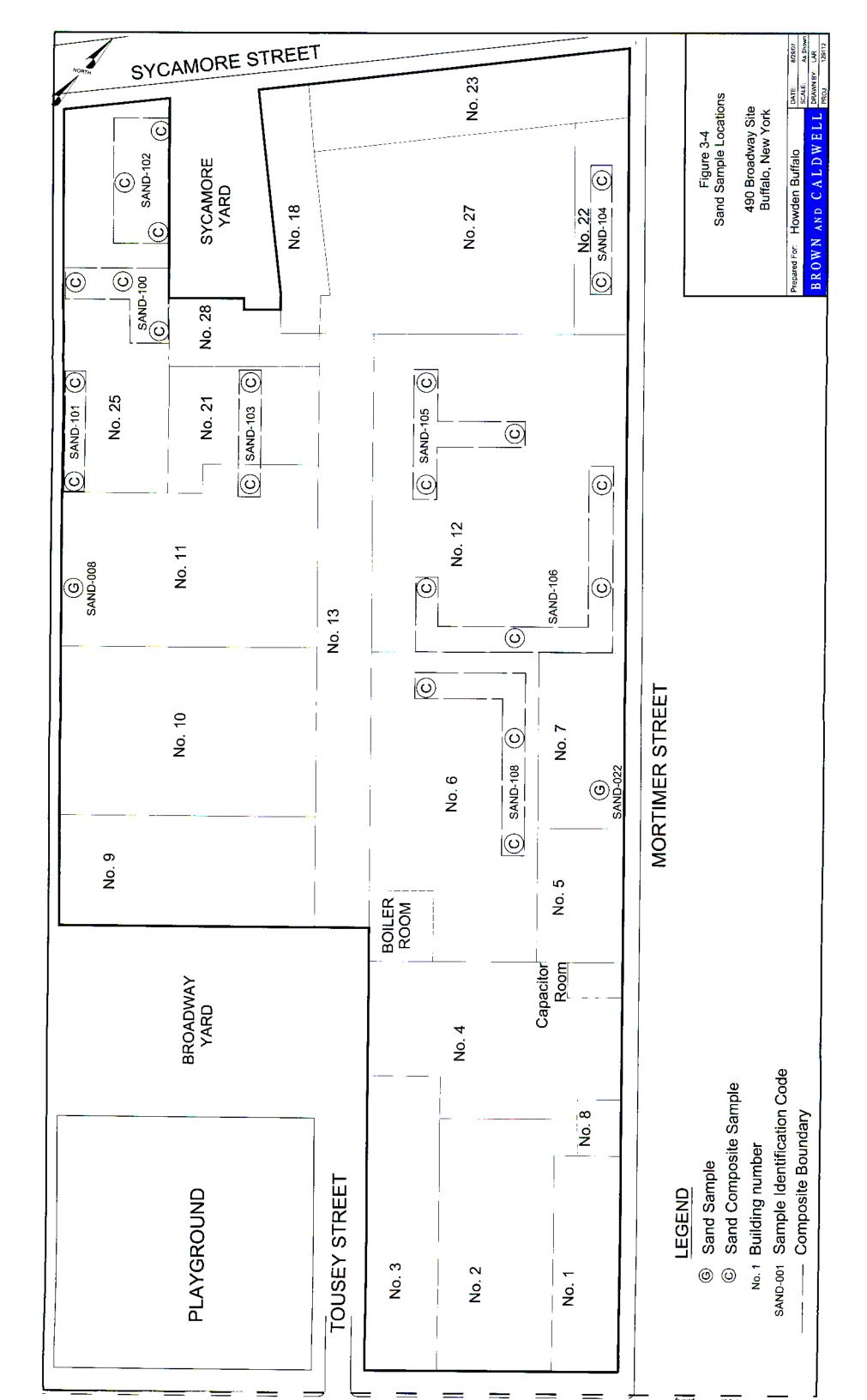
ND = Non- Detectable Concentrations

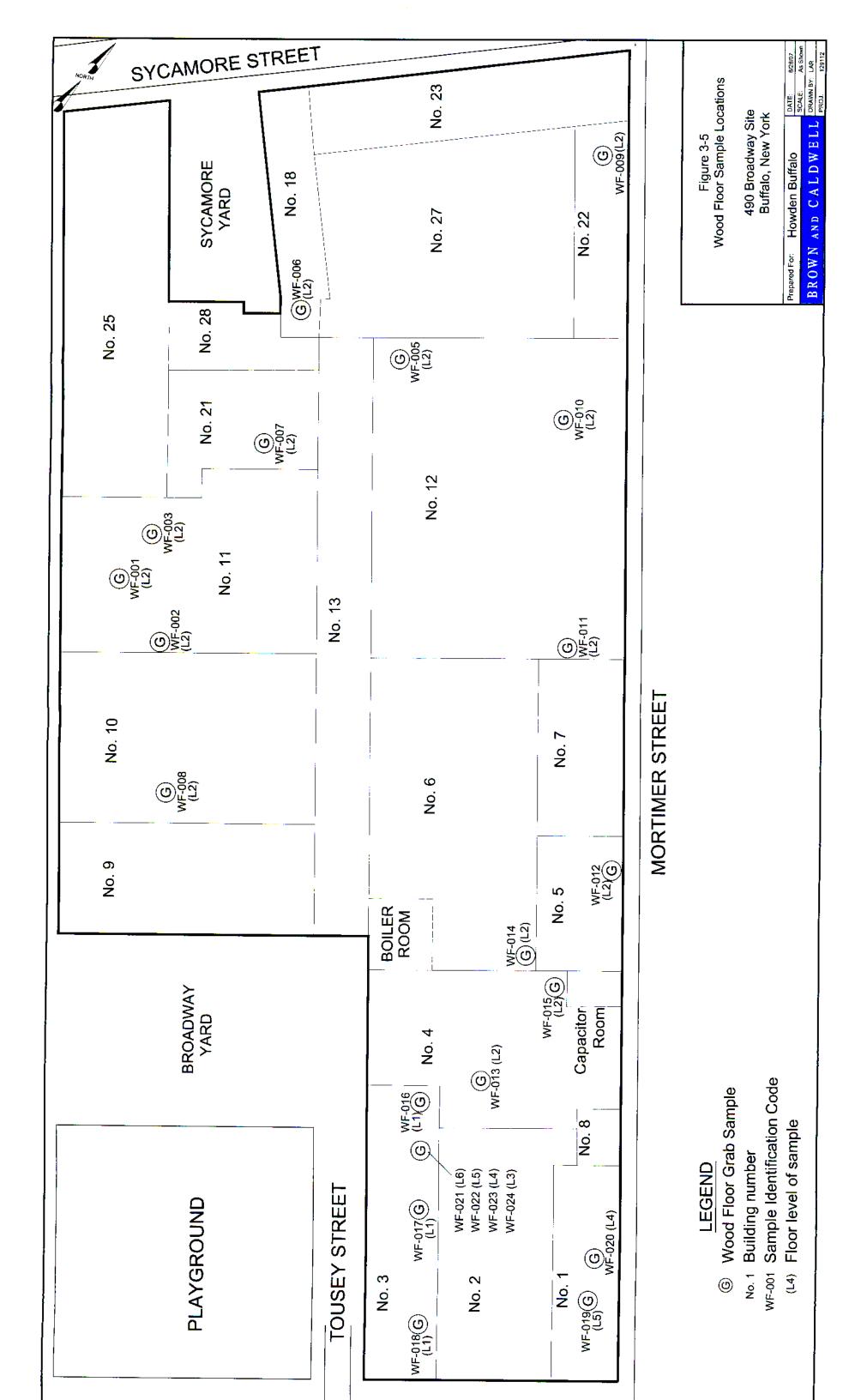


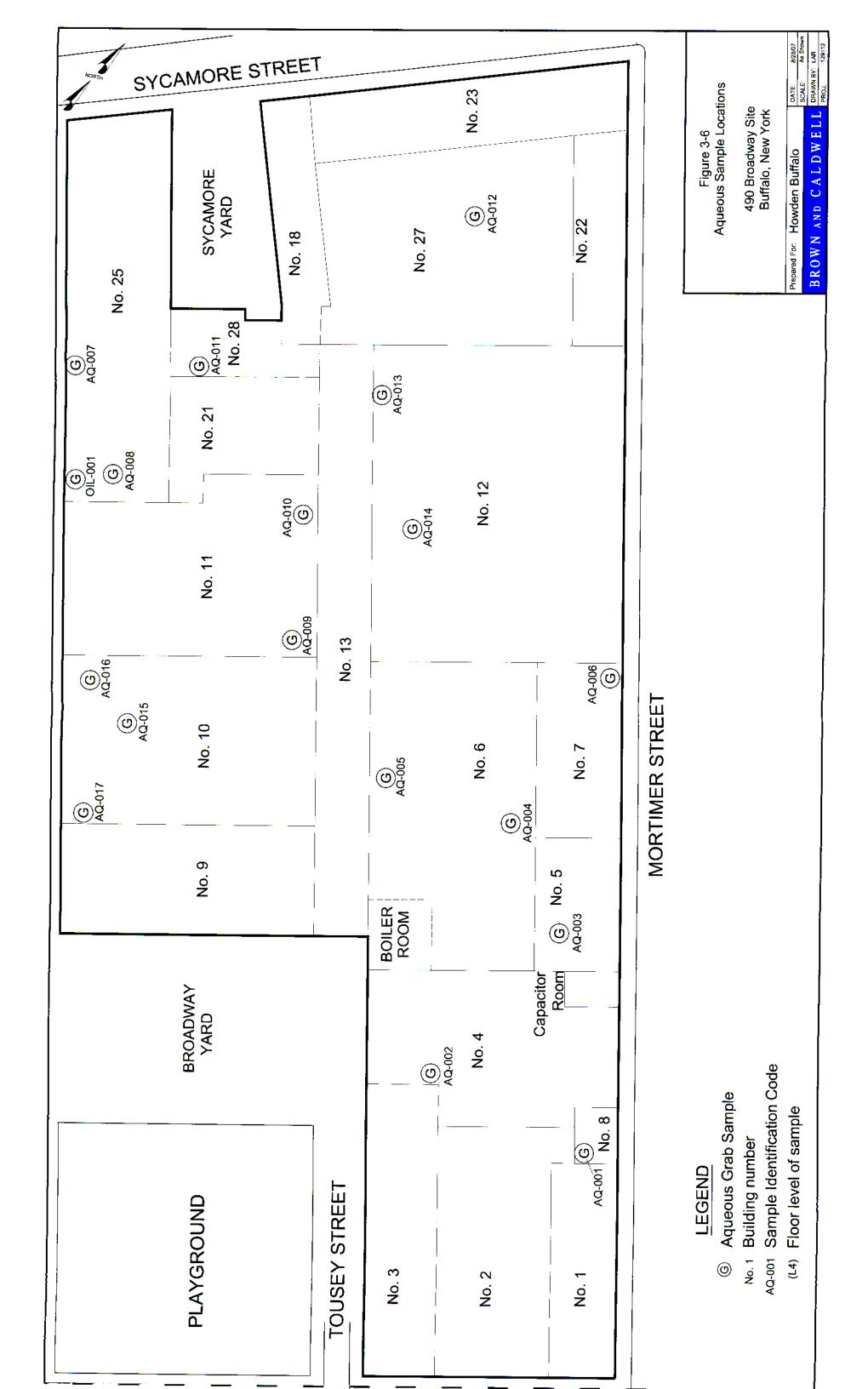


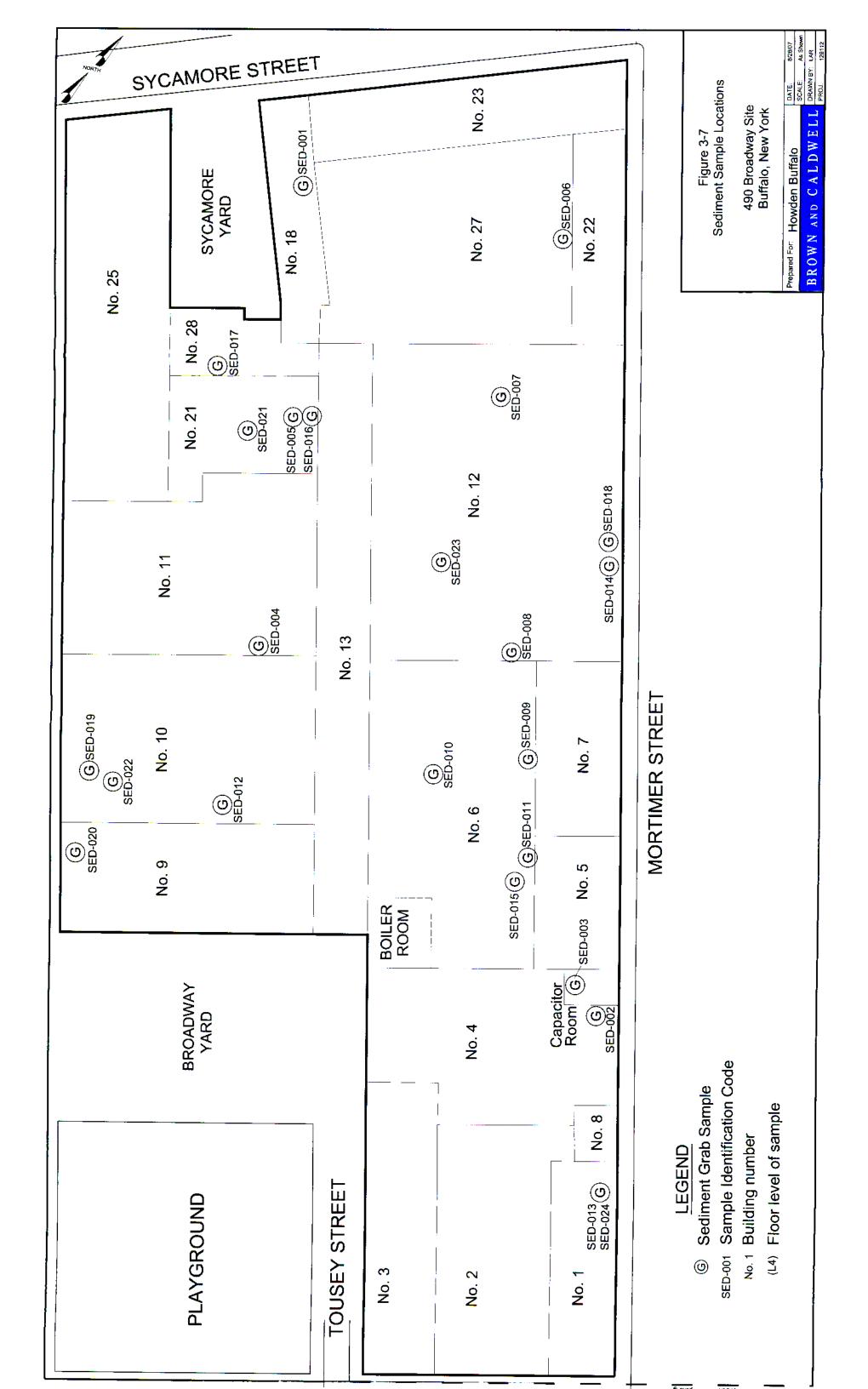


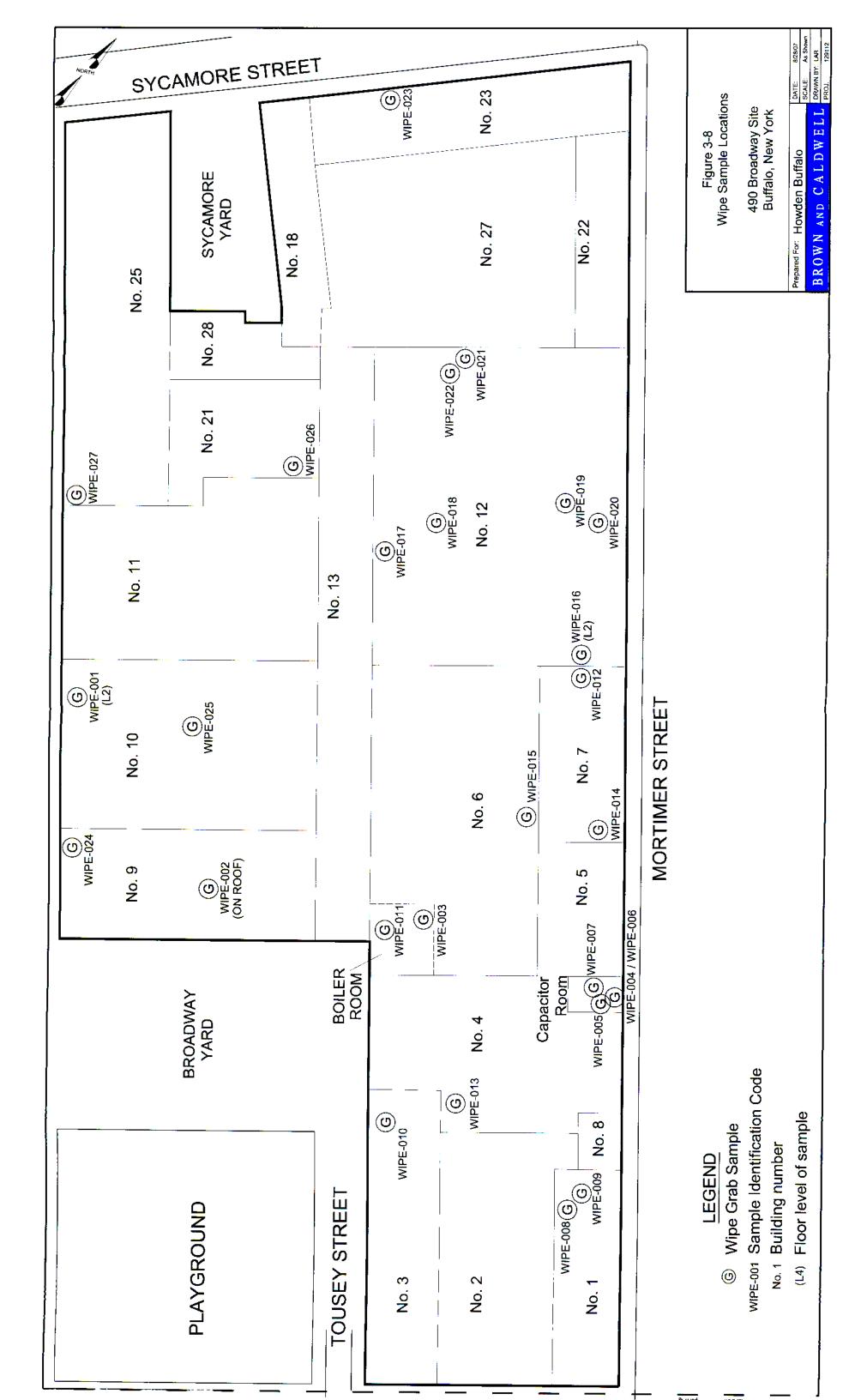


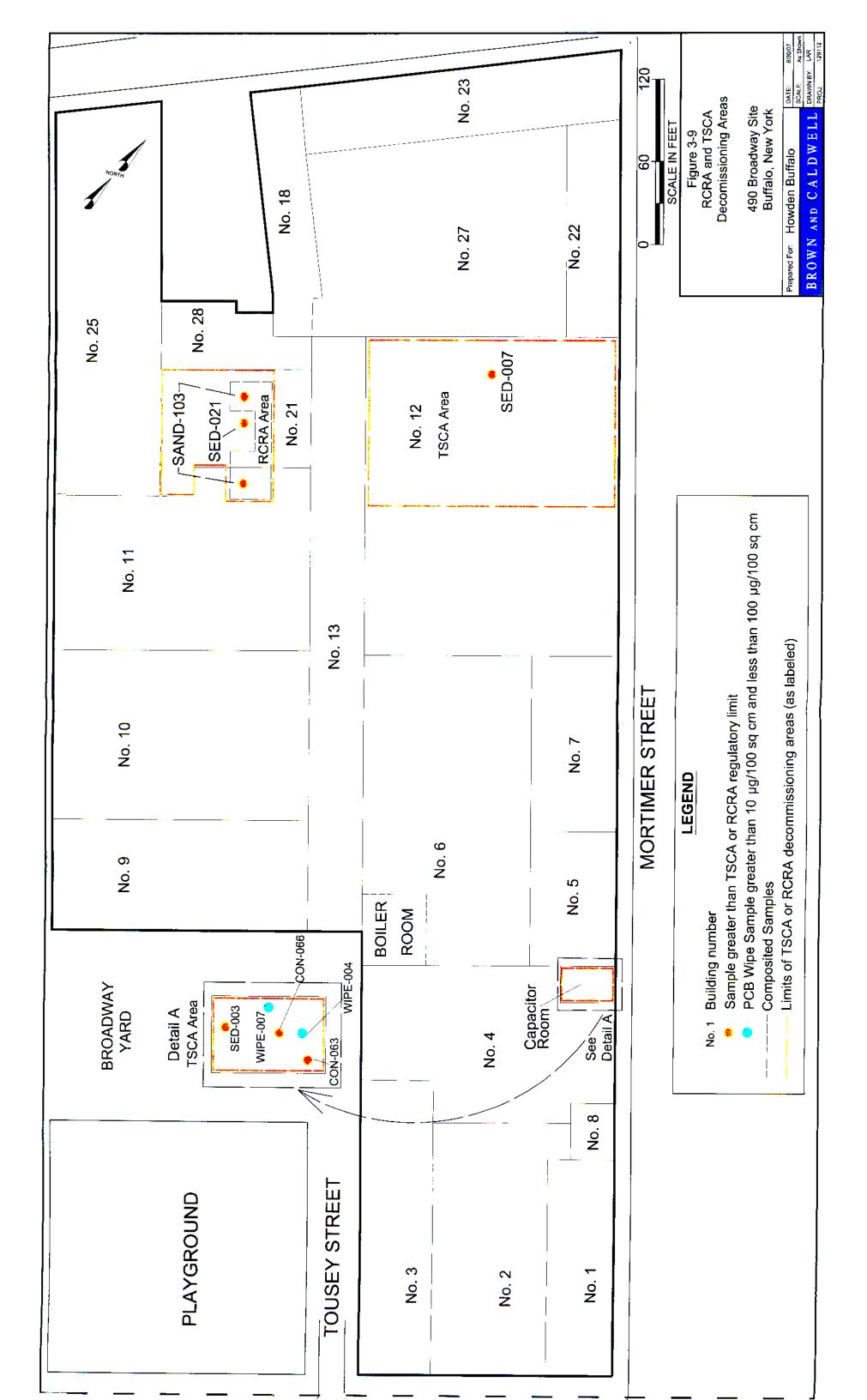


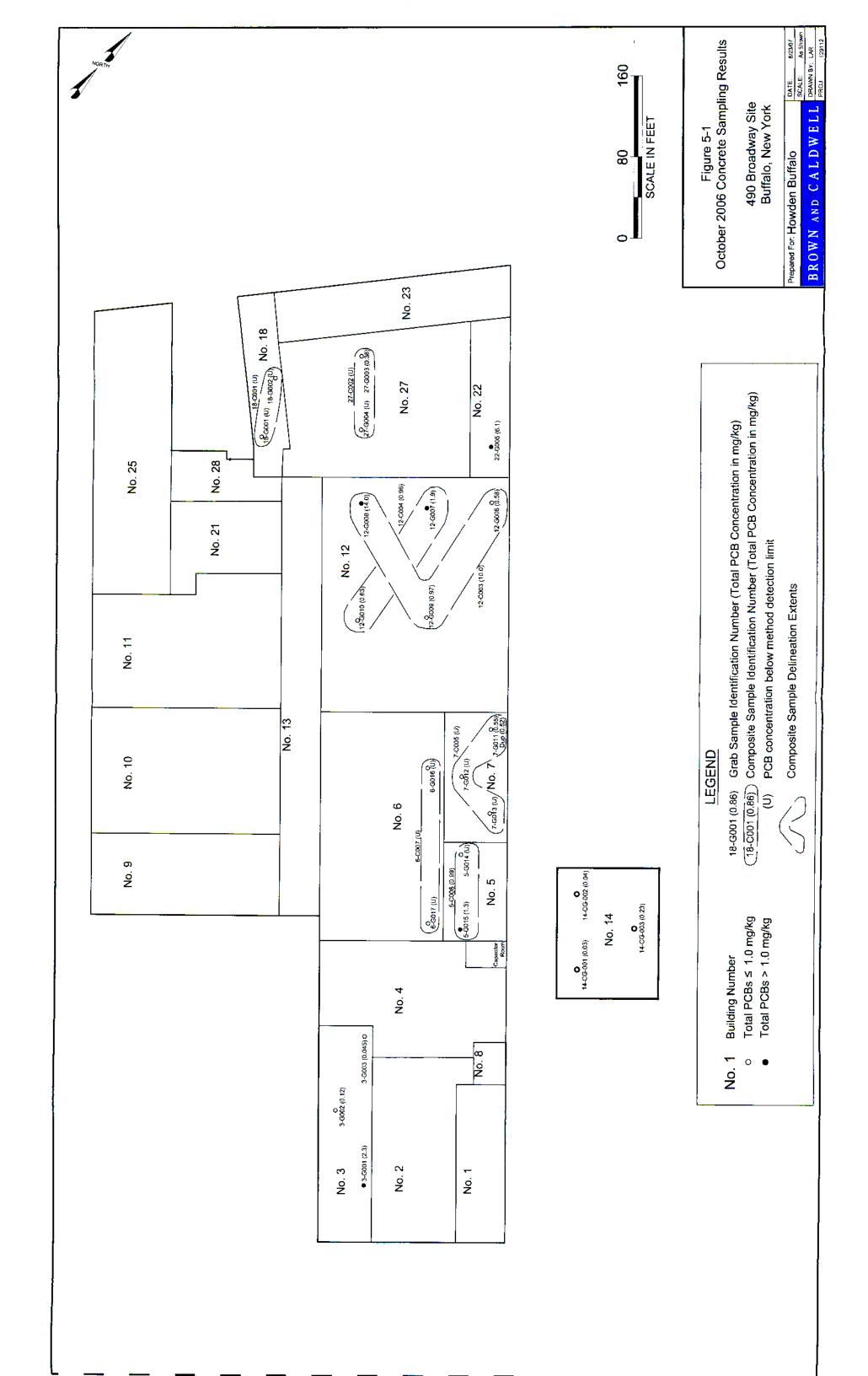


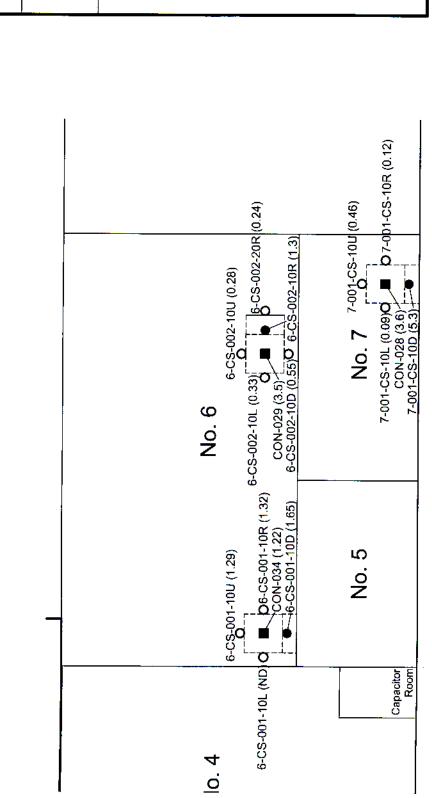








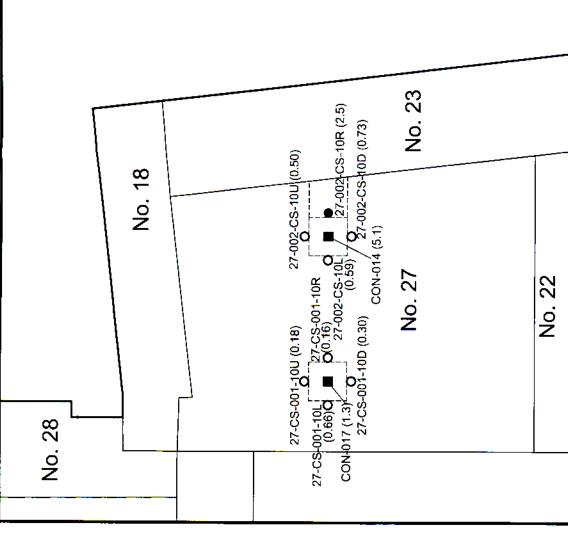




# **BUILDINGS 6 AND 7**



- Total PCBs > 1.0 mg/kg
- Total PCBs < 1.0 mg/kg 0
- (Fall 2005 see Figure 3-2) Total PCBs > 1.0 mg/kg



ALL VIEWS

**BUILDING 27** 



490 Broadway Site Buffalo, New York

100

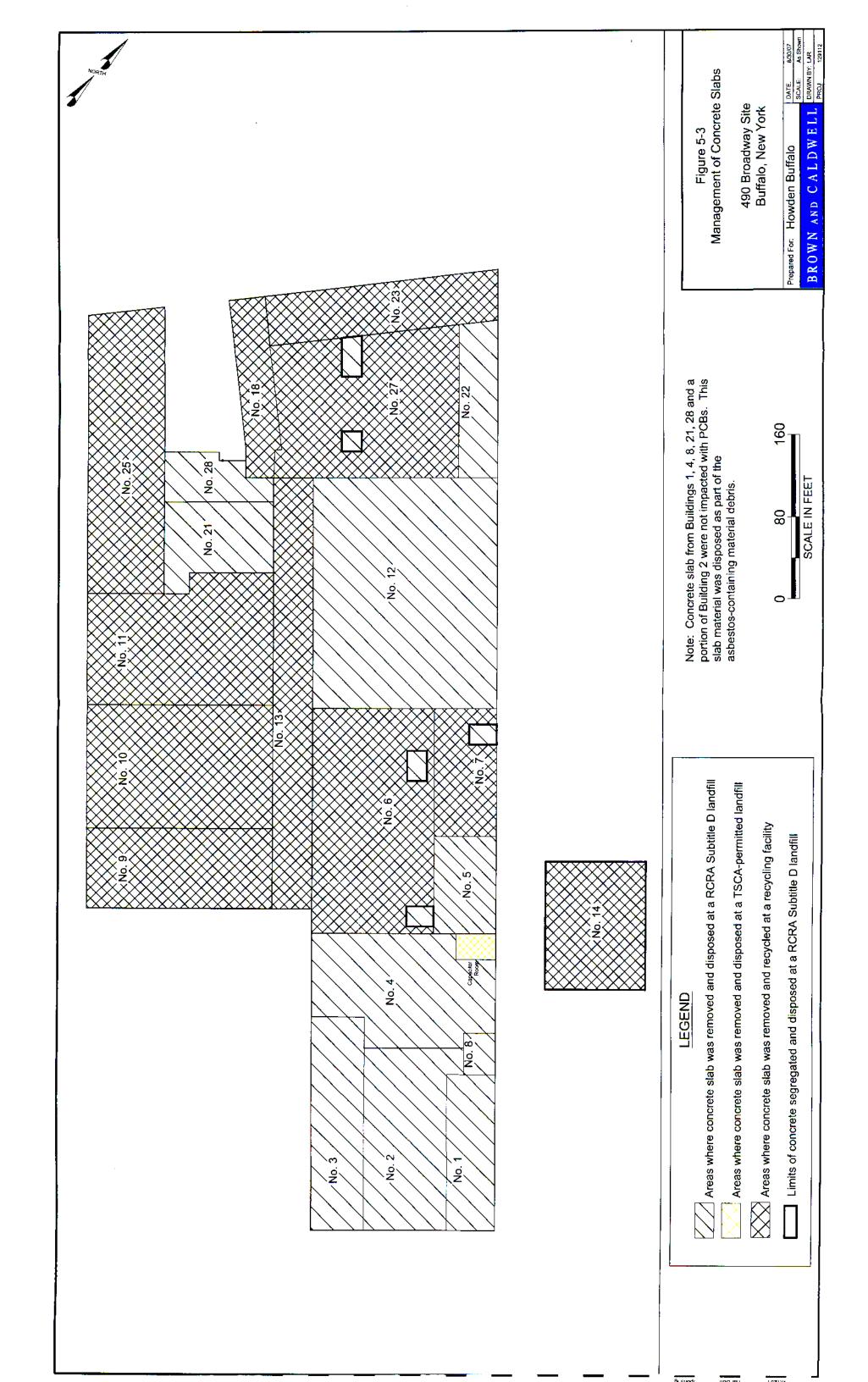
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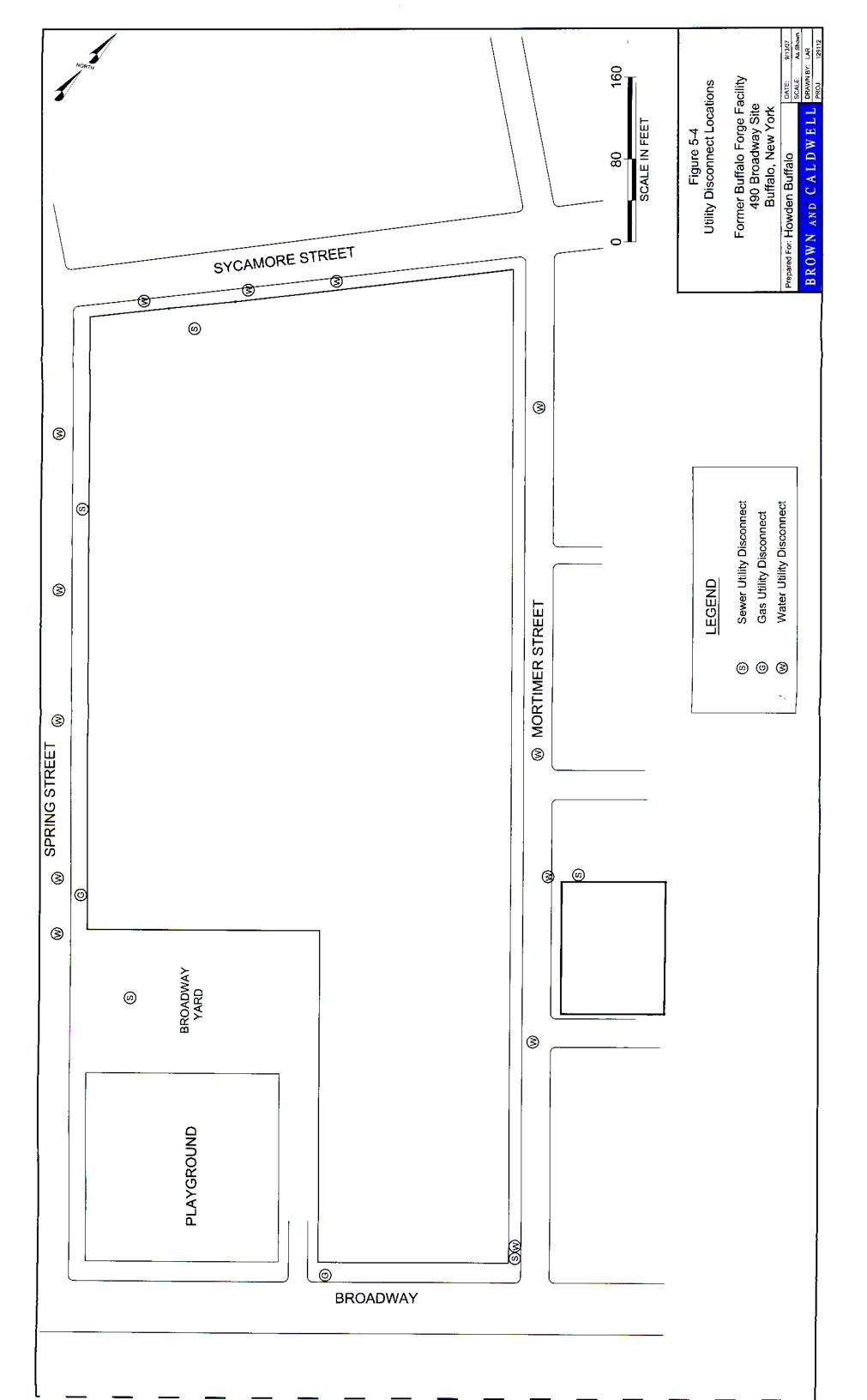
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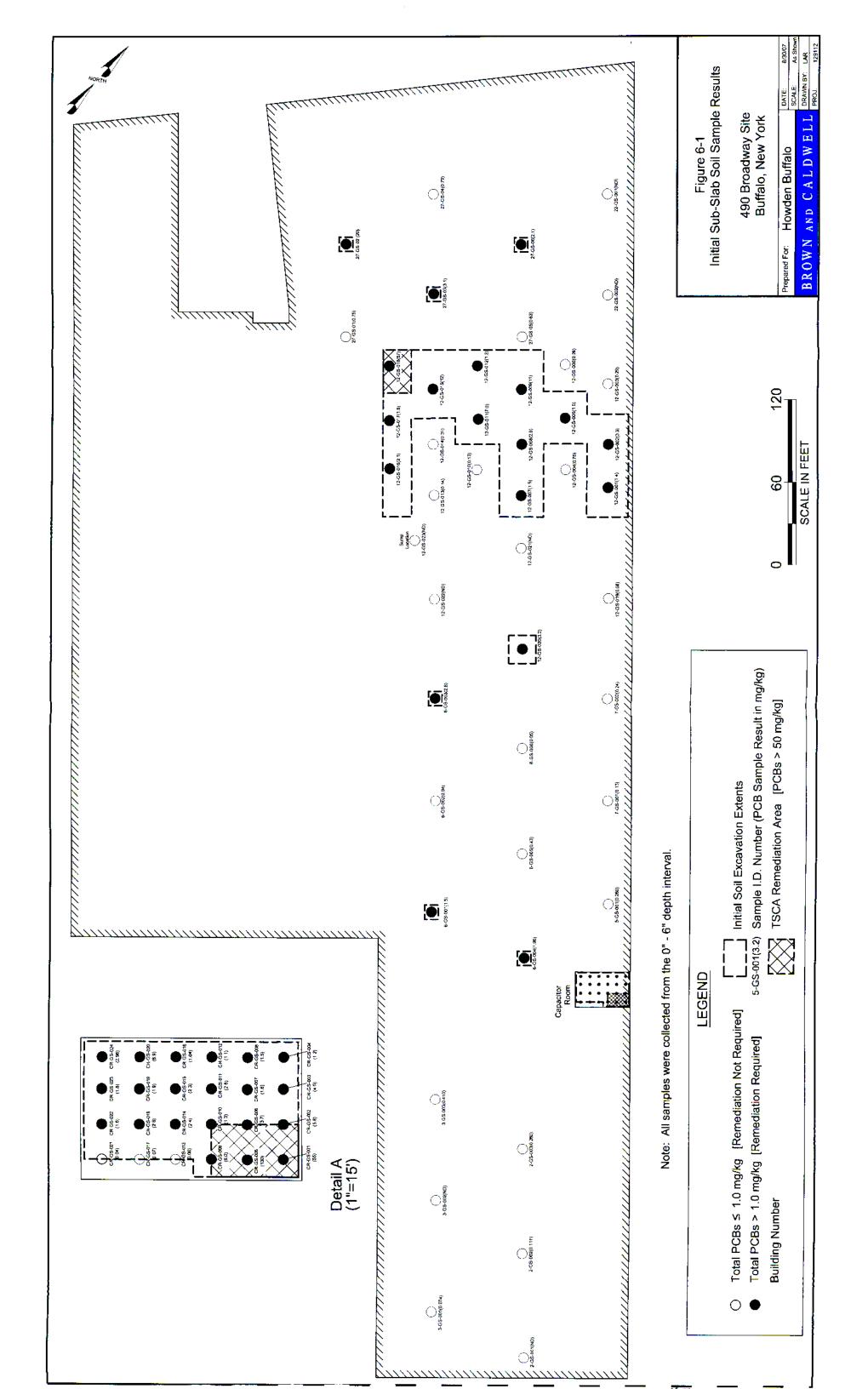
SCALE IN FEET ALL VIEWS

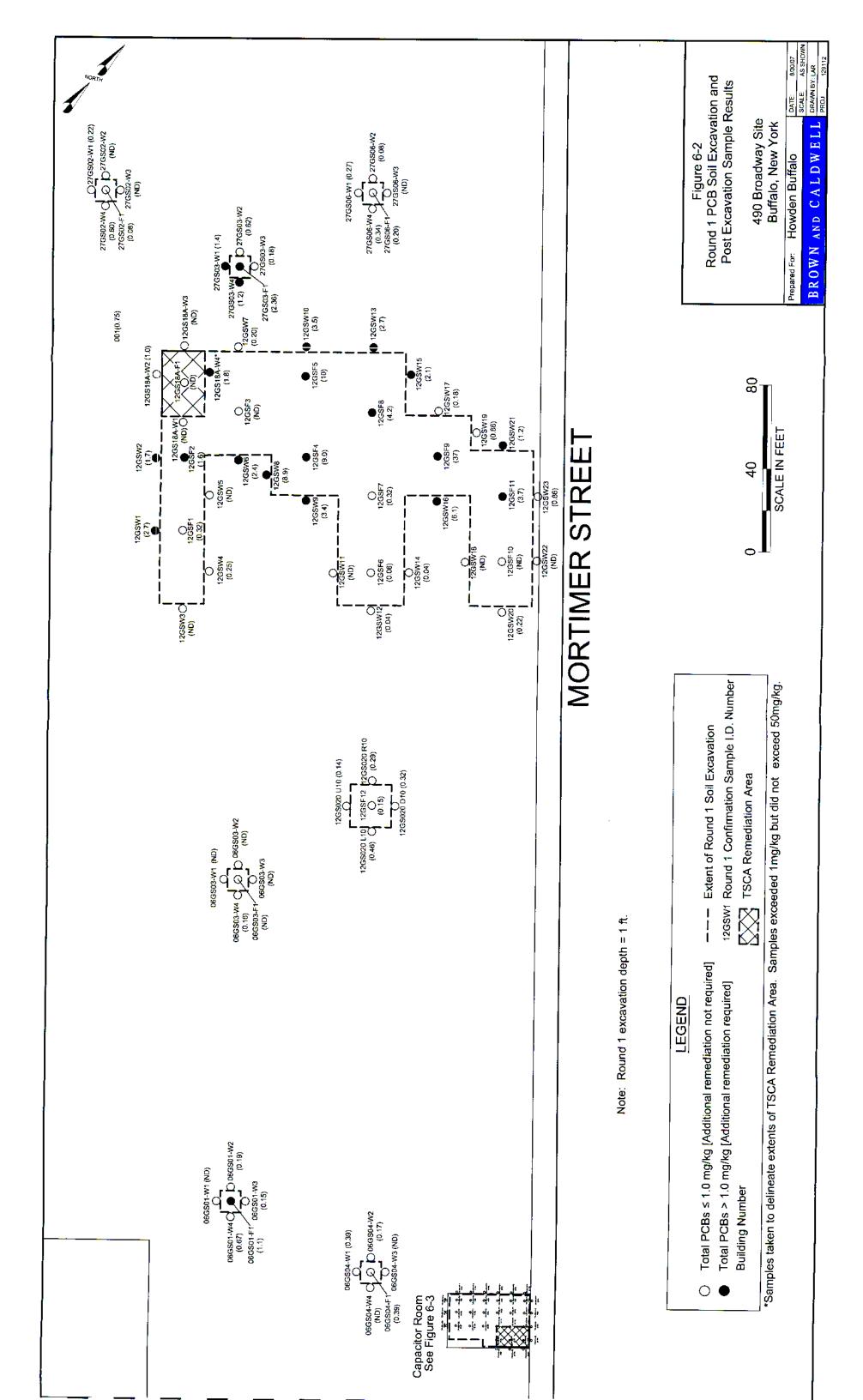
Prepared For: Howden Buffalo BROWN AND

SCALE: As 5	DRAWN BY: LAR	
	IDWELL	111111111111111111111111111111111111111
	T A T	1 1 2

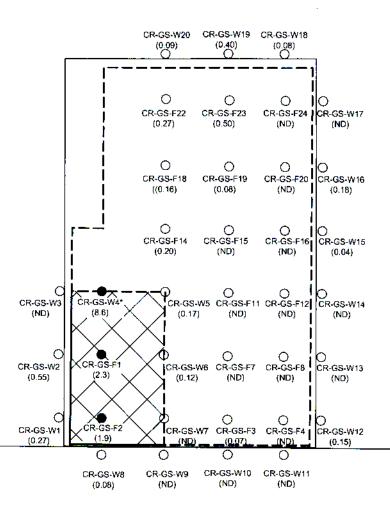












# **CAPACITOR ROOM**



## LEGEND

- O Total PCBs ≤ 1.0 mg/kg [Additional remediation not required]
- Total PCBs > 1.0 mg/kg [Additional remediation required]
   Building Number
- --- Extent of Round 1 Soil Excavation

CR-GS-W1 Round 1 Confirmation Sample I.D. Number

TSCA Remediation Area

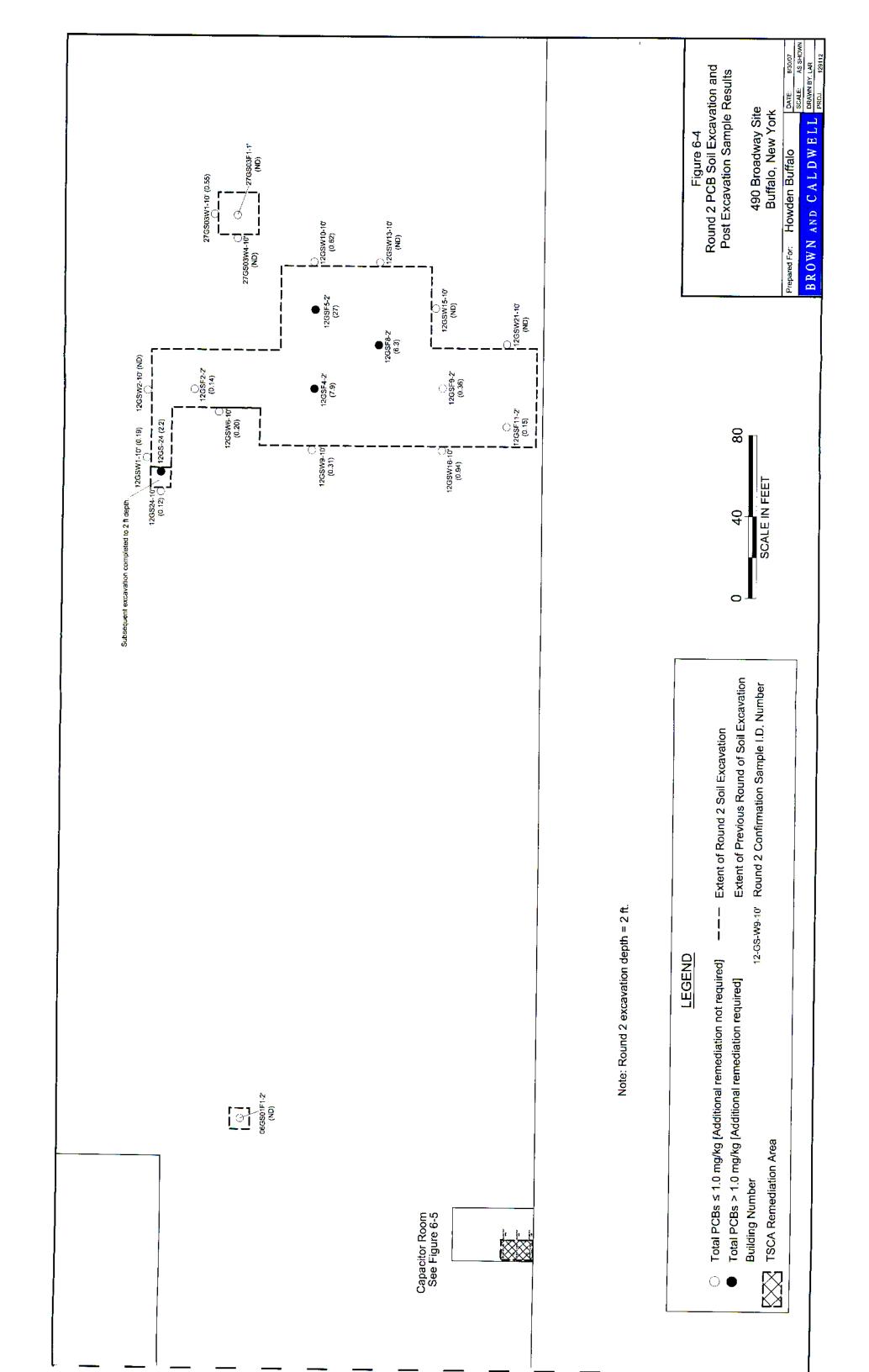
Note: Round 1 excavation depth = 1 ft.

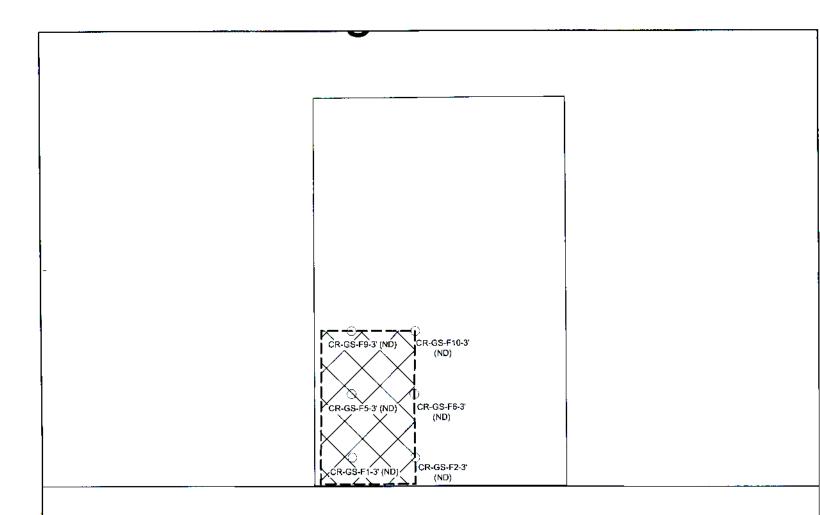
Figure 6-3
Round 1 PCB Soil Excavation and
Post Excavation Sample Results
in Capacitor Room
490 Broadway Site
Buffalo, New York

Buπaio, New York
Prepared For: Howden Buffalo

DATE: 8/30/07
SCALE: AS SHOWN

BROWN AND CALDWELL DRAWNBY: LAR





# **CAPACITOR ROOM**



## **LEGEND**

Total PCBs ≤ 1.0 mg/kg [Additional remediation not required]

**Building Number** 

--- Extent of Round 2 Soil Excavation

Extent of Previous Round of Soil Excavation

06GS01F1-2' Round 2 Confirmation Sample I.D. Number

TSCA Remediation Area

Note: Round 2 excavation depth = 3 ft.

Figure 6-5
Round 2 PCB Soil Excavation and
Post Excavation Sample Results
in Capacitor Room
490 Broadway Site
Buffalo, New York

Prepared For: Howden Buffalo

SCALE: 8/30/07 SCALE: AS SHOWN DRAWN BY LAR

Howevers 2012/CADversar Demolition Repor

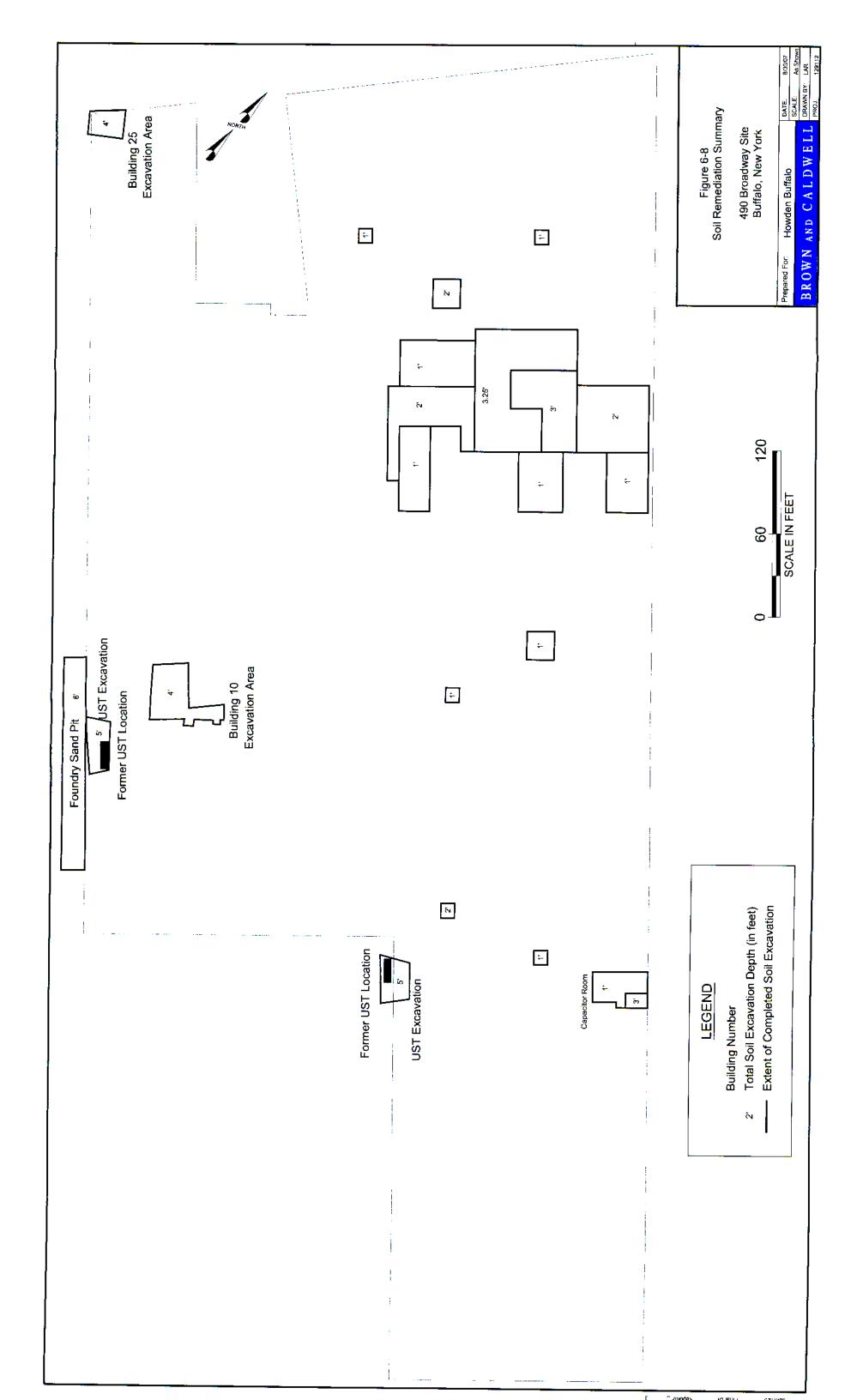
BROWN AND CALDWELL

Figure 6-6 Round 3 PCB Soil Excavation and Post Excavation Sample Results 490 Broadway Site Buffalo, New York Prepared For Howden Buffalo 12GS-0307-F05 12GS-0307-F06 (ND) (7.92) 12GS-0307-F08 12GS-0307-F09 (0.86) 0.52) 8 SCALE IN FEET 40 0 Extent of Previous Round of Soil Excavation 12-GS-W24-10' Round 3 Confirmation Sample I.D. Number Extent of Round 3 Soil Excavation 3 excavation depth = 3 ft. Total PCBs ≤ 1.0 mg/kg [Additional remediation not required] LEGEND Total PCBs > 1.0 mg/kg [Additional remediation required] Note: Round **Building Number** Capacitor Room

BROWN AND CALDWELL

Figure 6-7
Round 4 PCB Soil Excavation and Post Excavation Sample Results 490 Broadway Site Buffalo, New York Prepared For. Howden Buffalo 12-RS-06 (0.99) 0 12-RS-05 (ND) ् 12-RS-04 (0.31) 80 SCALE IN FEET 40 0 Extent of Previous Round of Soil Excavation Round 4 Confirmation Sample I.D. Number Extent of Round 4 Soil Excavation Note: Round 4 excavation depth = 3.25 ft. 12-RS-01 Total PCBs ≤ 1.0 mg/kg [Additional remediation not required] LEGEND Total PCBs > 1.0 mg/kg [Additional remediation required] **Building Number** Capacitor Room

BROWN AND CALDWELI



Decommissioning and Demolition Report

# APPENDIX A

**Sample Analytical Results in UST Excavations** 

BROWN AND CALDWELL









03/12/07

# **Technical Report for**



Brown and Caldwell GA

Howden Bufflao Buffalo NY

131303.002

Accutest Job Number: M63253

Sampling Date: 03/07/07

Report to:

Brown and Caldwell GA

lrykowski@brwncald.com

ATTN: Lauren A. Rykowski

Total number of pages in report: 22





Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand Lab Director

Certifications: MA (M-MA136) CT (PH-0109) NH (250204) RI (00071) ME (MA136) FL (E87579) NY (23346) NJ (MA926) NAVY USACE

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2.2: M63253-2: 12GS-0307-F02	
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Client Sample ID: 04-UST-EW2-60 Lab Sample ID:

M63253-11

Matrix:

SO - Soil

Method: Project:

SW846 8260B Howden Bufflao Buffalo NY Date Sampled: 03/07/07

Date Received: 03/08/07

Percent Solids: 83.2

Analytical Batch

Run #1 Run #2 L21512.D 1 Analyzed 03/09/07

By **AMY**  Prep Date n/a

Prep Batch

MSL697

Initial Weight Final Volume

Run #1 1.58 g 1.0 ml

DF

Run #2

File ID

#### **VOA STARS List**

CAS No.	Compound	Result	RL	Units	Q			
71-43-2	Benzene	10.1	1.9	ug/kg				
104-51-8	n-Butylbenzene	ND	19	ug/kg				
135-98-8	sec-Butylbenzene	ND	19	ug/kg				
98-06-6	tert-Butylbenzene	ND	19	ug/kg				
100-41-4	Ethylbenzene	ND	7.6	ug/kg				
98-82-8	Isopropylbenzene	ND	19	ug/kg				
99-87-6	p-Isopropyltoluene	ND	19	ug/kg				
1634-04-4	Methyl Tert Butyl Ether	ND	7.6	ug/kg				
91-20-3	Naphthalene	ND	19	ug/kg				
103-65-1	n-Propylbenzene	ND	19	ug/kg				
108-88-3	Toluene	24.1	19	ug/kg				
95-63-6	1,2,4-Trimethylbenzene	20.1	19	ug/kg				
108-67-8	1,3,5-Trimethylbenzene	ND	19	ug/kg				
	m,p-Xylene	7.6	ug/kg					
95-47-6	o-Xylene	20.7	7.6	ug/kg				
1330-20-7	Xylene (total)	72.8	7.6	ug/kg				
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Lim	its			
1868-53-7	Dibromofluoromethane	107%			30%			
2037-26-5	Toluene-D8	110%		70-1	30%			
460-00-4	4-Bromofluorobenzene	106%		73-1	28%			
CAS No.	Tentatively Identified Com	pounds	R.T.	Est.	Conc.	Units	Q	
75-28-5	Isobutane		4.29	88		ug/kg	JN	
106-97-8	Butane		4.58	110		ug/kg	JN	
78-78-4	Butane, 2-methyl-		5.48	97		ug/kg	JN	
109-66-0	Pentane		5.86	84		ug/kg	JN	
16276-45-2	Ethanamine, N-chloro-N,1,	1-trifluoro-	6.19	65		ug/kg		
75-09-2	Methylene Chloride		6.42	33				
107-81-3	Pentane, 2-bromo-		7.14	42		ug/kg	12000	
			7.0	407.10		0 0		

ND = Not detected

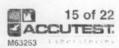
RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



# Report of Analysis

Page 2 of 2

Client Sample ID: 04-UST-EW2-60 Lab Sample ID: M63253-11

Matrix: Method: M63253-11 SO - Soil

Project:

SW846 8260B

Howden Bufflao Buffalo NY

Date Sampled: 03/07/07 Date Received: 03/08/07 Percent Solids: 83.2

Percent Solids: 83.2

#### **VOA STARS List**

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q	
110-54-3	Hexane	7.74	51	ug/kg	IN	
142-82-5	Heptane	9.75	29	ug/kg		
108-87-2	Cyclohexane, methyl-	10.40	50	ug/kg	-	
	Total TIC, Volatile		616	ug/kg		

ND = Not detected

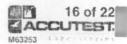
RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



# Report of Analysis

Page 1 of 1

Client Sample ID: 04-UST-EW2-70

Lab Sample ID: Matrix:

M63253-12

SO - Soil

Date Sampled: Date Received: 03/08/07

03/07/07

Method: Project:

SW846 8270C SW846 3545 Howden Bufflao Buffalo NY

Percent Solids: 84.9

Run #1

File ID I44300.D

DF Analyzed 03/10/07

By AT Prep Date 03/09/07

Prep Batch OP13134

Analytical Batch MSI1376

Run #2

Initial Weight

20.4 g

Final Volume 1.0 ml

1

Run #1 Run #2

## **BN STARS List**

CAS No.	Compound	Result	RL	Units Q		
83-32-9	Acenaphthene	ND	290	ug/kg		
120-12-7	Anthracene	ND	290	ug/kg		
56-55-3	Benzo(a)anthracene	ND	290	ug/kg		
50-32-8	Benzo(a)pyrene	ND	290	ug/kg		
205-99-2	Benzo(b)fluoranthene	ND	290	ug/kg		
191-24-2	Benzo(g,h,i)perylene	ND	290	ug/kg		
207-08-9	Benzo(k)fluoranthene	ND	290	ug/kg		
218-01-9	Chrysene	ND	290	ug/kg		
53-70-3	Dibenzo(a,h)anthracene	ND	290	ug/kg		
206-44-0	Fluoranthene	ND	290	ug/kg		
86-73-7	Fluorene	ND	290	ug/kg		
193-39-5	Indeno(1,2,3-cd)pyrene	ND	290	ug/kg		
91-20-3	Naphthalene	ND	290	ug/kg		
85-01-8	Phenanthrene	ND	290	ug/kg		
129-00-0	Pyrene	ND	290	ug/kg		
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
4165-60-0	Nitrobenzene-d5	78%		20-118%		
321-60-8	2-Fluorobiphenyl	77%		30-115%		
1718-51-0	Terphenyl-d14	65%		32-126%		
CAS No.	Tentatively Identified Con	pounds	R.T.	Est. Conc.	Units	Q
1116-98-9	Acetic acid, cyano-, 1,1-din Total TIC, Semi-Volatile	nethyle	4.26	19000 0	ug/kg ug/kg	JNB

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



		0/8/72		
		Hara St.		

#### BLIZMATE

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	draw	

ND = Not detected

E - Indicates value exceeds catherina range

 $<sup>\</sup>frac{1}{2} = \frac{1}{2} \frac$ 

## WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 02/21/07 Work Order Number: 7B13008

Prepared For Jeff Shirley Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Buffalo Forge E916

Enclosed are the results of analyses for samples received by the laboratory on 02/13/07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel W. Vollmer, Laboratory QA/QC Officer

Daniel V. Vou

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS

NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received							
East	7B13008-01	Soil	02/13/07 10:15	02/13/07 12:05							
West	7B13008-02	Soil	02/13/07 10:15	02/13/07 12:05							
North 800a	7B13008-03	Soil	02/13/07 10:15	02/13/07 12:05							
South	7B13008-04	Soil	02/13/07 10:15	02/13/07 12:05							
Stockpile	7B13008-05	Soil	02/13/07 10:15	02/13/07 12:05							
Water	7B13008-06	Water	02/13/07 10:15	02/13/07 12:05							

Project: Buffalo Forge - Solids

2749 Lockport Road Niagara Falls NY, 14302 Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley Reported: 02/21/07 16:46

# Metals by EPA 6000/7000 Series Methods

## Waste Stream Technology Inc.

			eporting		Bulk.	Devel	December	Analyzad	Method	Notes
Analyte		Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Wichiou	Holes
East (7B13008-01) Soil	Sampled: 02/13/07 10:15				11-1 18 12	The State of		and a life sta	ED 1 212	- tours
Mercury		0.361	0.011	mg/kg dry	1	AB71904	02/19/07	02/19/07	EPA 7471A	
Silver		ND	2.50	"	5	AB71520	02/15/07	02/15/07	EPA 6010B	
Aluminum		9910	12.5	"						
Arsenic		11.1	8.50			n.				
Barium		152	5.00	"		. 9591				
Beryllium		ND	2.50	"						
Calcium		66200	12.5	"	a u rint ti	to believes	21:51:56	Fred to the fine risk?	1102.120-100	
Cadmium		ND	5.00	"			"			
Cobalt		7.28	5.00			# 9854.00	"			
Chromium		17.5	5.00	"	n	* (17)	"	"		
Copper		40.7	5.00	"	"	. 0005	"	"	"	
Iron		17300	41.5	"	н			,,	"	
Magnesium		26300	60.0	"		. 101				
Manganese		491	5.00	"			"	"	"	
Nickel		16.1	5.00	"	"	" DONE		**	"	
Lead		. 138	20.5	"		w (1)/1	"	"	"	
Antimony		ND	7.00	*	100.00	* 01.0	**	"	"	
Selenium		ND	7.00	"	110. 11	" 8-51	"	"	"	
Thallium		ND	5.00	"	00.0	. 8.95	"			
Vanadium		18.4	5.00			. 0000	"	"	"	
Zinc		290	20.0			* OUEL	"	"	**	
Potassium		1800	14.0		1	AB71521	**	02/20/07	"	
Sodium		372	45.0	"	00.4	. 0.01	"		"	
West (7B13008-02) Soil	Sampled: 02/13/07 10:15	Received: 02/13	3/07 12:0	5	1005	CIVI				Totalitable
Mercury		0.104	0.011	mg/kg dry	1	AB71904	02/19/07	02/19/07	EPA 7471A	
Silver		ND	2.50	"	5	AB71520	02/15/07	02/15/07	EPA 6010B	
Aluminum		12400	12.5		00.	. 2.	"	"		
Arsenic		ND	8.50	"		"	"		"	
Barium		111	5.00	"		. 8101		"		
Beryllium		ND	2.50	"		* 153				
Calcium		26400	12.5	"	"	"	"	"	"	
Cadmium		ND	5.00	"	"	"	"	*	"	
Cobalt		6.65	5.00	*	"	"	."		"	
Chromium		16.9	5.00		"	"	"		"	
Copper		18.2	5.00		"	"	"		"	
Copper		17300	41.5	"	"	"		"	"	
Iron			600	11	**		"		"	
		10000	60.0							
Iron Magnesium		10000 343	5.00			"	"		"	
Iron Magnesium Manganese				"					,	
Iron Magnesium		343	5.00	" "	" "	"				

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

# Metals by EPA 6000/7000 Series Methods

## Waste Stream Technology Inc.

Analyte	and the second	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
West (7B13008-02) Soil	Sampled: 02/13/07 10:15	Received: (	02/13/07 12:0	5	1 14.6	tita trades	Mark Ci	MARKO WALL	The STATE	mbra - La
Selenium		ND	7.00	mg/kg dry	5	AB71520	02/15/07	02/15/07	EPA 6010B	
Thallium		6.17	5.00			"	"		"	
anadium		19.4	5.00			" 0199				
Line		78.5	20.0							
otassium		1420	14.0		1	AB71521	"	02/20/07		
odium		188	45.0	"						
North (7B13008-03) Soil	Sampled: 02/13/07 10:15	Received:	02/13/07 12:	05	721-					
1ercury		0.168	0.012	mg/kg dry	1	AB71904	02/19/07	02/19/07	EPA 7471A	Martin
ilver		ND	2.50		5	AB71520	02/15/07	02/15/07	EPA 6010B	
luminum		7900	12.5		"	"	"		"	
arsenic		ND	8.50	**	"	" 0019	"	02/15/07		
arium		101	5.00	*	- 10	" nors		02/15/07		
eryllium		ND	2.50	"		" 101	"			
alcium		35900	12.5				"			
admium		ND	5.00	"	"			02/15/07	"	
obalt		6.16	5.00	"				"		
hromium		14.8	5.00		"	"		"		
opper		29.8	5.00		, ,			02/15/07		
ron		18300	41.5	"				**		
1agnesium		11500	60.0			11				
langanese		558	5.00	"		* 6001				
ickel		16.0	5.00					02/15/07		
ead		90.2	20.5	"	"				"	
ntimony		ND	7.00	"		an decision	a series	E LUZ II "betmine	1 mg *(n, sn)	
elenium		ND	7.00						"	
hallium		6.11	5.00	"						
anadium		17.5	5.00	"				02/15/07		
inc		122	20.0					02/15/07		
otassium		1040	14.0		1	AB71521	"	02/20/07		
odium		257	45.0	"	"		"			

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

# Metals by EPA 6000/7000 Series Methods Waste Stream Technology Inc.

Analyte			Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South (7B130	008-04) Soil	Sampled: 02/13/07 10:15	Received:	02/13/07 12:	05	i to er sad	barmard	elina zwelje	or the lager of	ting (All Augist)	a silating
Mercury	Transitions.		0.183	0.012	mg/kg dry	1	AB71904	02/19/07	02/19/07	EPA 7471A	
Silver			ND	2.50		5	AB71520	02/15/07	02/15/07	EPA 6010B	
Aluminum			10900	12.5		un"		н	**	"	
Arsenic			ND	8.50			" "		02/15/07		
Barium			96.9	5.00	**	"	" (3.5	"	02/15/07		
Beryllium			ND	2.50	**		" ()	"	"		
Calcium			48200	12.5	н	> 1.9	" (1)	"	"		
Cadmium			ND	5.00		***	" (1)		02/15/07	**	
Cobalt			7.21	5.00	"			"		*	
Chromium			16.1	5.00	"	"					
Copper			20.2	5.00			"	**	02/15/07		
			16900	41.5							
Iron Magnesium			16000	60.0	**			"			
			392	5.00	**			"			
Manganese Nickel			19.5	5.00	"				02/15/07		
Lead			24.8	20.5					**		
Antimony			ND	7.00	"					"	
Selenium			ND	7.00	"		.11		**		
			ND	5.00							
Thallium			18.3	5.00	"				02/15/07		
Vanadium			67.8	20.0					02/15/07		
Zinc			1650	14.0		1	AB71521		02/20/07		
Potassium Sodium			202	45.0		"	"		".		

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## TCLP Metals by 6000/7000 Series Methods

#### Waste Stream Technology Inc.

Analyte	Res	Reporting ult Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note	28	
Stockpile (7B13008-05) Soil	Sampled: 02/13/07 10:15 Received: 02/13/07 12:05				to builde	Liberto	CLASS (bettern	AC 1002 (141 800) 12	ar canna	ar coming	
Mercury	- mandansa asabasan N	D 0.001	mg/L	1	AB72004	02/20/07	02/21/07	EPA 7470A-TCLF	701-71	1	
Silver	N	D 0.025		5	AB71516	02/15/07	02/15/07	6010B		1	
Arsenic	N	D 0.045			• 0000		02/15/07			1	
Barium	0.4	0.025	"		* 0//		02/15/07			В	
Cadmium	N	D 0.025	"		# (F. A.P.	"	02/15/07			U	
Chromium	N	D 0.025				"				U	
Lead	N	D 0.075		"	. 0038					U	
Selenium	N	D 0.095								U	

Project: Buffalo Forge - Solids

2749 Lockport Road

Niagara Falls NY, 14302

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

# Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

## Waste Stream Technology Inc.

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East (7B13008-01) Soil	Sampled: 02/13/07 10:15	Received: 02/13/07 12:05			MELT TWEE	III dasaloga	(CELUTA)	Completence	Milenzy April 5	ERCITON!
Alpha-BHC	The second second	ND	0.400	ug/kg dry	1	AB71513	02/15/07	02/20/07	8081A/8082	THE SHALL
Beta-BHC		ND	0.400	"	"			"		THE LEW U
Gamma-BHC (Lindane)		ND	0.400	**	n	*		*		U
Delta-BHC		ND	0.400	"		"	"	"		U
Heptachlor		ND	0.400	**	"	"	"		"	U DOMESTIC
Aldrin		ND	0.400	"		"(1)	"		"	and a U
Heptachlor Epoxide		ND	0.400	"		***	"		#a.710	to de la contraction de la con
Endosulfan I		ND	0.400	"	10 A	".		"		U
Dieldrin		ND	0.400	"		* 114	"		"	U
4,4'-DDE		ND	0.400	"		"(17)	"	"	"	L. L.
Endrin		ND	0.400	"		"		"		The Late of the La
Endosulfan II		ND	0.400	**	19-14-19		"	"	"	mail of t
4,4'-DDD		ND	0.400		THE PERSON		"		"	GOO FALL
Endrin Aldehyde		ND	0.400	"		"	"		"	bold main t
Endosulfan Sulfate		ND	0.400	"	10.5	",	"		* 100	L
4,4'-DDT		ND	0.400	"		"()	"	"	*	TO CHALL
Endrin Ketone		ND	0.400					**	"	Contract t
Methoxychlor		ND	0.400	"		11.	"			The symmetry L
Chlordane		ND	6.70			*			*	U
Toxaphene		ND	8.30	н		" ()	"			mandani L
Aroclor 1016		ND	3.30	"		"	"		*	the second
Aroclor 1221		ND	3.30	"				*		Z monde
Aroclor 1232		ND	3.30				"	*	"	· ·
Aroclor 1242		ND	3.30	"		" (10)	"	"		E Propositi
Aroclor 1248		ND	3.30			" (1/	"			to the last
Aroclor 1254		194	3.30			" 941	"			
Aroclor 1260		ND	3.30					"		le laubor t
Surrogate: Tetrachloro-meta-xylene			99.5 %	61-	140	"	"	"		
Surrogate: Decachlorobiphenyl			283 %	56-	136	"		"	Complete " to I	S-04

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Reported: 02/21/07 16:46

Project Manager: Jeff Shirley

## Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082 Waste Stream Technology Inc.

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West (7B13008-02) Soil	Sampled: 02/13/07 10:15	Received:	02/13/07 12:0	5	TI TOUGH	In make	de Erail fü	case a seligina	2 une il Ginage	10 21 - 3
Alpha-BHC		ND	0.400	ug/kg dry	1	AB71513	02/15/07	02/20/07	8081A/8082	1
Beta-BHC		ND	0.400	"	"	"	"	"	**	1
Gamma-BHC (Lindane)		ND	0.400	**	"					1
Delta-BHC		ND	0.400	*	,,					
Heptachlor		ND	0.400					**		i
Aldrin		ND	0.400	**	"	н				ı
Heptachlor Epoxide		ND	0.400		п					
Endosulfan I		ND	0.400							
Dieldrin		ND	0.400							ı
4,4'-DDE		ND	0.400				"			L
Endrin		ND	0.400			"				ι
Endosulfan II		ND	0.400							L L
4,4'-DDD		ND	0.400			"	"			L
Endrin Aldehyde		ND	0.400				"			Ü
Endosulfan Sulfate		ND	0.400			11/1/2	н			U
4,4'-DDT		ND	0.400						**	U
Endrin Ketone		ND	0.400			*4.54				U
Methoxychlor		ND	0.400					"		U
Chlordane		ND	6.70			W. C. C.	"			U
Toxaphene		ND	8.30		· n	*(1)		**		U
Aroclor 1016		ND	3.30			**				U
Aroclor 1221		ND	3.30	"					*	U
Aroclor 1232		ND	3.30							U
Aroclor 1242		ND	3.30							U
Aroclor 1248		ND	3.30		"					U
Aroclor 1254		149	3.30			* 101				California
Aroclor 1260		ND	3.30			* (15)				U
Surrogate: Tetrachloro-me	eta-xylene		97.3 %	61-1	40	"	"	"	"	
Surrogate: Decachlorobip	henyl		101 %	56-1		"	,,	"	"	

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082 Waste Stream Technology Inc.

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North (7B13008-03) Soil	Sampled: 02/13/07 10:15	Received:	02/13/07 12:	05	0511801	30 the pros	H ELDIAN	tion bagine	- bas the said	Sauth (1915)
Alpha-BHC	- Million of the Co	ND	0.400	ug/kg dry	0041	AB71513	02/15/07	02/20/07	8081A/8082	HING U
Beta-BHC		ND	0.400	"						U
Gamma-BHC (Lindane)		ND	0.400		OULMO	. 110	"	"	(sm *lamil)	L
Delta-BHC		ND	0.400	"	(1) (1)	* 178		"		- All Line U
Heptachlor		ND	0.400		11111	. 0/	"	"		U
Aldrin		ND	0.400	"		"	"	"	"	U
Heptachlor Epoxide		ND	0.400		0000	"	"	"		U
Endosulfan I		ND	0.400	"	()()		н	"	"	U
Dieldrin		ND	0.400		100	* (1/	**		"	U
4,4'-DDE		ND	0.400		00000	"	"			l
Endrin		ND	0.400		000	* 194	"			L
Endosulfan II		ND	0.400	"	111(#1)		"			L
4,4'-DDD		ND	0.400		H   H		**			t
Endrin Aldehyde		ND	0.400		10.17			"	u di	t t
Endosulfan Sulfate		ND	0.400	**	((()(#7)		"		" undiffy	Z
4.4'-DDT		ND	0.400			. 07	"			THE L
Endrin Ketone		ND	0.400		1170		"			t
Methoxychlor		ND	0.400		11.7		"		"	t
Chlordane		ND	6.70						"	t
Toxaphene		ND	8.30	"		" "	"			t
Aroclor 1016		ND	3.30				"		"	o un more t
Aroclor 1221		ND	3.30	"	17.9					t
Aroclor 1232		ND	3.30	*	DET	" (II)	"			
Aroclor 1242		ND	3.30			. ()	"	"	"	t
Aroclor 1248		ND	3.30			H (157	"		"	t
Aroclor 1254		137	3.30			"		"	"	
Aroclor 1260		ND	3.30			. 05	"	"	"	Carlinda L
Surrogate: Tetrachloro-me	eta-xylene		101%	61-	140	"	"	" market	"	
Surrogate: Decachlorobip	A STATE OF THE PARTY OF THE PAR		270 %	56-	136	"	"	"		S-04

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082 Waste Stream Technology Inc.

Analyte	t exists usual	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South (7B13008-04) Soil	Sampled: 02/13/07 10:15	Received:	02/13/07 12:0	)5	District L	St. andrew	M. Short Ye	Electronic delication	2   162116.00	erari sus. Z
Alpha-BHC	The second second second	ND	0.400	ug/kg dry	1	AB71513	02/15/07	02/20/07	8081A/8082	ı
Beta-BHC		ND	0.400	"					"	L
Gamma-BHC (Lindane)		ND	0.400	9.						ı
Delta-BHC		ND	0.400					**		U
Heptachlor		ND	0.400	"	,					U
Aldrin		ND	0.400	"						U
Heptachlor Epoxide		ND	0.400							U
Endosulfan I		ND	0.400	11			"			U
Dieldrin		ND	0.400		"					U
4,4'-DDE		ND	0.400			* (157	н			U
Endrin		ND	0.400	"						U
Endosulfan II		ND	0.400	"	"					U
4,4'-DDD		ND	0.400		"				*	U
Endrin Aldehyde		ND	0.400		"					U
Endosulfan Sulfate		ND	0.400				"			U
4,4'-DDT		ND	0.400	"						U
Endrin Ketone		ND	0.400	"	10.00	W 1/1/4	"	"		U
Methoxychlor		ND	0.400	"						U
Chlordane		ND	6.70							U
Toxaphene		ND	8.30					"		U
Aroclor 1016		ND	3.30			"	"			U
Aroclor 1221		ND	3.30		**	. 3/				U
Aroclor 1232		ND	3.30						н -	U
Aroclor 1242		ND	3.30	"			"		**	U
Aroclor 1248		ND	3.30		"	"			"	U
Aroclor 1254		271	3.30	**		* 881				251 10150.0
Aroclor 1260		ND	3.30	"		. (14)				U
Surrogate: Tetrachloro-met	a-xylene		92.8 %	61-140	0	"	"	"	"	
Surrogate: Decachlorobiph	enyl		311%	56-130	5	"	"	"		S-04

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Polychlorinated Biphenyls by EPA Method 8082 Waste Stream Technology Inc.

Analyte	Bank of	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil	Sampled: 02	2/13/07 10:15 Receive	d: 02/13/07	12:05	2011 707	tigo chavis	on element	ozalica belgano	A miletin	East (Titoler
Aroclor 1016	The state of	ND	3.30	ug/kg dry	1	AB71513	02/15/07	02/20/07	8082	U.
Aroclor 1221		ND	3.30	"	"	* 4		"	"	daniel w U
Aroclor 1232		ND	3.30	"		* 07	"		"	U
Aroclor 1242		ND	3.30	"			"			U
Aroclor 1248		ND	3.30			" 0/	"			U
Aroclor 1254		ND	3.30	*		* 1001	"		"	U
Aroclor 1260		ND	3.30		"		"		"	Alteria north U
Surrogate: Tetrachloro-meta	-xylene		93.0 %	61-	140	"	"	"	"	
Surrogate: Decachlorobipher			113 %	56-	136	"	"	"	"	

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East (7B13008-01) Soil Sampled: 02/13/07 10	:15 Received:	02/13/07 12:05	S Party	11.51	Leaves II	TO BE THE LO	Senspleit 0	inc country	is again
chloromethane	ND	10	ug/kg dry	1	AB71414	02/14/07	02/14/07	8260	1
vinyl chloride	ND	10	"			"			The state of
bromomethane	ND	10	**		H .				25 1
chloroethane	ND	10	"		*		**		1
1,1-dichloroethene	ND	2	"				"		1
acetone	158	10	"	"	"		"		
carbon disulfide	3	2	"		"				
methylene chloride	44	2			**		"	"	
rans-1,2-dichloroethene	ND	2	"		**				
1,1-dichloroethane	ND	2			"	"	"	**	ı
vinyl acetate	ND	10			30				ı
2-butanone	37	10				**	,,	"	
cis-1,2-dichloroethene	ND	2		.,				**	Į
chloroform	ND	2		**				"	
1,1,1-trichloroethane	ND	2				"		"	ĺ
carbon tetrachloride	ND	2	"			"			į
penzene	13	2	"			*			
,2-dichloroethane	ND	2			"				ι
richloroethene	ND	2			"			**	ı
,2-dichloropropane	ND	2		**					Ü
promodichloromethane	ND	2	"			"			U
4-Methyl-2-pentanone (MIBK)	ND	10	"	w	**				Ü
cis-1,3-dichloropropene	ND	2		"	*				U
oluene	29	2	"		11		"		
rans-1,3-dichloropropene	ND	2	"						U
,1,2-trichloroethane	ND	2							U
2-hexanone	ND	10			**				Ü
etrachloroethene	ND	2	**						U
libromochloromethane	ND	2					**		U
hlorobenzene	ND	2					**		U
thylbenzene	8	2	"						
n,p-xylene	22	4				**			
-xylene	8	2						"	
tyrene	ND	2				**			U
promoform	ND	2	**			**	*		U
,1,2,2-tetrachloroethane	ND	2	**				"	**	U
Surrogate: Dibromofluoromethane		101%	70-130	9	"	"	**	"	C
Surrogate: 1,2-Dichloroethane-d4		98.3 %	69-13.		,,	"		"	
Surrogate: Toluene-d8		102 %	81-12		**	,,	**	"	
Surrogate: Bromofluorobenzene		122 %	83-12						S-04

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Volatile Organic Compounds by EPA Method 8260B

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West (7B13008-02) Soil Sampled: 02/13/07 10	0:15 Received:	02/13/07 12:0	5	ent Cybran	100 laster	er de la	DILLUMENTS?	100 00 100	Left Labor
chloromethane	ND	10	ug/kg dry	1	AB71414	02/14/07	02/14/07	8260	desertion d
vinyl chloride	ND	10	"		"	"			Annual Visit
bromomethane	ND	10		"		"	"		and the same
chloroethane	ND	10	"	н		"		"	oni sendid
1,1-dichloroethene	ND	2		н	" (1)	"		"ometic	adjusted to
acetone	100	10			" ===	"		"	
carbon disulfide	4	2			*	"	**	* 660	
methylene chloride	56	2		**	"		"	"histold	S'amil of bud
trans-1,2-dichloroethene	ND	2				"			A
1,1-dichloroethane	ND	2				"	**		and tell 1.3
vinyl acetate	ND	10			* 62		"		dies is to like
2-butanone	23	10			" 447		"	"	
cis-1,2-dichloroethene	ND	2				"	"		NUMBER OF
chloroform	ND	2				"		"	emple also I
1,1,1-trichloroethane	ND	2					"		obline I
carbon tetrachloride	ND	2	и			"		*	must me di
benzene	19	2							
1,2-dichloroethane	ND	2			" (8)		"		and to be a
trichloroethene	ND	2			"				odesinola a I
1,2-dichloropropane	ND	2	"		"				months of I
bromodichloromethane	ND	2				н			
4-Methyl-2-pentanone (MIBK)	ND	10					"	COLOR SIT STREET	E Comment of
cis-1,3-dichloropropene	ND	2						"	
toluene	44	2							
trans-1,3-dichloropropene	ND	2							1
1,1,2-trichloroethane	ND	2							
2-hexanone	ND	10							
tetrachloroethene	3	2							
dibromochloromethane	ND	2				н	**		
chlorobenzene	ND	2							
ethylbenzene	15	2							a a modification
m,p-xylene	31	4							
o-xylene	12	2							
styrene	ND	2							
promoform	ND	2						"	- 1
1,1,2,2-tetrachloroethane	ND	2					,,		- 1
Surrogate: Dibromofluoromethane		99.7%	70-	130			"		
Surrogate: 1,2-Dichloroethane-d4		96.7%	69-				,,		
Surrogate: 1,2-Dictioroethane-a4 Surrogate: Toluene-d8		103 %	81-			,,	,,		
Surrogate: Tottiene-as Surrogate: Bromofluorobenzene		103 %	83-					- Principale	S-0-

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Number: Bullalo Forge E9

Reported: 02/21/07 16:46

## Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North (7B13008-03) Soil Sampled: 02/	/13/07 10:15 Received:	02/13/07 12:	05	strair	TO GETTING	A SERBITE	EPS to bulg on P	in safe	1000 Ter 1100 P.
chloromethane	ND	10	ug/kg dry	1	AB71414	02/14/07	02/14/07	8260	State of the Land
vinyl chloride	ND	10	"			"		"	Tober dies by my
promomethane	ND	10	"	"	**	"			1
chloroethane	ND	10	"		*	"	"	"	i i
1,1-dichloroethene	ND	2	"		* (1)/	"	**	"	1
acetone	65	10	"				"	"	
carbon disulfide	4	2	"	.00	"	- 11			
methylene chloride	25	2	"			"	**		Cally Strong entre
rans-1,2-dichloroethene	ND	2	н —		"	"	"		The last terms to
1,1-dichloroethane	ND	2	"		#		"		· ·
vinyl acetate	ND	10	н		"	н	*		U
2-butanone	16	10	11	**		*	"	**	
cis-1,2-dichloroethene	ND	2			*	"	н		j – i
chloroform	ND	2	"		H (1)		"	"	
1,1,1-trichloroethane	ND	2				"	"		U U U U
carbon tetrachloride	ND	2			. C.A.	"	"	"	
penzene	7	2	*		n (2)			**	
,2-dichloroethane	ND	2	**		H CIPS				- L
richloroethene	ND	2	**					н	
,2-dichloropropane	ND	2				"			
promodichloromethane	ND	2							
4-Methyl-2-pentanone (MIBK)	ND	10		,,	. 0.0				
eis-1,3-dichloropropene	ND	2						"	
oluene	11	2							tolur-
rans-1,3-dichloropropene	ND	2	"		8 () (4				U
,1,2-trichloroethane	ND	2	н. —						U
2-hexanone	ND	10						"	3000 U
etrachloroethene	ND	2	11						allowed or U
libromochloromethane	ND	2							U
hlorobenzene	ND	2	"		**				U
thylbenzene	3	2	*		**		"		
n,p-xylene	10	4			. 16	"			
-xylene	3	2					"		
tyrene	ND	2							U
promoform	ND	2		*	и (1)	"			U
,1,2,2-tetrachloroethane	ND	2	**		W 188				U
Surrogate: Dibromofluoromethane		98.7 %	70-130	2	.,	,,		,,	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	69-13.		**	"			
Surrogate: Toluene-d8		95.0 %	81-12		**	,,	,,	"	
Surrogate: Bromofluorobenzene		107%	83-12						

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Volatile Organic Compounds by EPA Method 8260B Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South (7B13008-04) Soil Sampled: 02/13/07 10:	15 Received:	02/13/07 12:0	05	ETH COST	Received	elso provinces	Suasgled: 0,	ers#100000	CHANGE (CHA)
chloromethane	ND	10	ug/kg dry	1	AB71414	02/14/07	02/14/07	8260	d-nel ment
vinyl chloride	ND	10					"		all and a
bromomethane	ND	10		"	"	"	"	"	
chloroethane	ND	10			W. C. L.			"	of Street, Street
1,1-dichloroethene	ND	2			* (1)	"			constyping ret
acetone	209	10			" (1)				
carbon disulfide	5	2			* 1117			" 90	
methylene chloride	40	2							arradings at all
trans-1,2-dichloroethene	ND	2				"	"	***	The State of the S
1,1-dichloroethane	ND	2		"	* (1)	"	*		and white the t
vinyl acetate	ND	10			"	"		apart sally	Drambo-4.5.1
2-butanone	42	10						" 505	
cis-1.2-dichloroethene	ND	2			n.CM		н	"onesi	lostveprenum (
chloroform	ND	2			• (1)	"			in malgred 1
1.1,1-trichloroethane	ND	2							templa findence
carbon tetrachloride	ND	2				"			a month
benzene	13	2			*				
1,2-dichloroethane	ND	2							the second
trichloroethene	ND	2	п		н				
1,2-dichloropropane	ND	2				"			
bromodichloromethane	ND	2	"						1
4-Methyl-2-pentanone (MIBK)	ND	10		**					
cis-1,3-dichloropropene	ND	2		н.					
toluene	30	2							
trans-1,3-dichloropropene	ND	2	"						1
1.1,2-trichloroethane	ND	2							1
2-hexanone	ND	10							
tetrachloroethene	ND	2		"					ı
dibromochloromethane	ND	2					"		(
chlorobenzene	ND	2					**		1
ethylbenzene	8	2			.,			,	
m,p-xylene	25	4							
o-xylene	9	2		"					
styrene	ND	2	**	н					1
bromoform	ND	2					"		1
1,1,2,2-tetrachloroethane	ND	2							1
Surrogate: Dibromofluoromethane	11.00	98.0%	70-	130		.,		"	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	69-		,,	,,	,,	"	
		99.0%	81-		,,	,,	,,	,,	
Surrogate: Toluene-d8 Surrogate: Bromofluorobenzene		125 %	83-					_	S-0-

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Volatile Organic Compounds by EPA Method 8260B

Analyte	I I	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Water (7B13008-06) Water	Sampled: 02/13/07 10:15	Received	d: 02/13/07 1	2:05	Fren	M protein	A1207 Vp.	des estima	The nep-kins	alva dino
Methyl tert-butyl ether		ND	1	ug/l	1	AB71510	02/15/07	02/15/07	8260	U
benzene		ND	1	"			"	"		U
toluene		ND	1		19			"		U
ethylbenzene		ND	1				"			U
m,p-xylene		ND	2		**			"		U
o-xylene		ND	1			* par		"		U
isopropylbenzene		ND	1		"		"	"	" abiliti	U
n-propylbenzene		ND	1	"				"	and the same	U
1,3,5-trimethylbenzene		ND	1						and a soul	U
tert-butylbenzene		ND	1	**						U
1,2,4-trimethylbenzene		2	1	"						
sec-butylbenzene		ND	1							U
p-isopropyltoluene		ND	1	"				"	2000	U
n-butylbenzene		ND	1			* 4 114	"			U
naphthalene		3	1			* 07		*		В
Surrogate: Dibromofluorome	thane		95.3 %	75-1	25	* 1	"	"	"	
Surrogate: 1,2-Dichloroethan			98.0 %	74-1	17	"	"	"	,,	
Surrogate: Toluene-d8			98.7 %	82-1	23		"	"	" mito	
Surrogate: Bromofluorobenze	ne		97.3 %	85-1	23	# (1)/	"	"	"	

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East (7B13008-01) Soil Sampled: 02/13/07 10:15	Received: 02	/13/07 12:05		Enclosed by	USC North	di sum e	(E) SE ESTO	011.5ml Su	800/11/5/398.3
N-Nitrosodimethylamine	ND	67	ug/kg dry	- 1	AB71701	02/17/07	02/18/07	8270	monthly for facility
pis(2-chloroethyl)ether	ND	67			"	**	"		and married
phenol	ND	130		"	* 07	**	"	haran tak	m-trans-
2-chlorophenol	ND	130				**	"		a drahomin d
1,3-dichlorobenzene	ND	67				"	"	months of the de-	are found in
1,4-dichlorobenzene	ND	67	"	н	"	"	"	*500	attell voltunium
1,2-dichlorobenzene	ND	67		"	"			* 100	andore postale
penzyl alcohol	ND	67	"			"	"		parametta mae
bis(2-chloroisopropyl)ether	ND	67		"		"		"	STORY THE THE
2-methylphenol	ND	67				"		"	all slike of the
nexachloroethane	ND	67		"	"		"	* 10.18	my James
N-Nitrosodi-n-propylamine	ND	67		0150		"	"	"	. authorized
3 & 4-methylphenol	ND	130	"	"	"				anamagage!!
nitrobenzene	ND	67				**		o utasan	energia de Ca
sophorone	ND	67		"	*	н	"	"	The state of
2-nitrophenol	ND	130		- "	* [2]		"		n James Frank
2,4-dimethylphenol	ND	130			* 02.02	"	"		distributed by the life
Bis(2-chloroethoxy)methane	ND	67			* 1000	"			america 1
penzoic acid	ND	330	"		# act			maintee Mark	gradient sta
2,4-dichlorophenol	ND	130	"			"			dum (guo-nat)
1,2,4-trichlorobenzene	ND	67	"		* (77)	"		- bleding	man the disco-
naphthalene	189	67	"	"	. 11	"	н	and their	
4-chloroaniline	ND	67				"	"		of content of the
nexachlorobutadiene	ND	67				"		Mary Carlo	- Fall I mention
4-chloro-3-methylphenol	ND	130				"		The Coll	ne Ottal Visited
2-methylnaphthalene	161	67	"		* 860			ad ba	
nexachlorocyclopentadiene	ND	130				"		= lossate "ring	Maria de d
2,4,6-trichlorophenol	ND	130				н			and the second
2,4,5-trichlorophenol	ND	67	"	н	"	" .	*		1
2-chloronaphthalene	ND	67				"	"		1
2-nitroaniline	ND	67				"	a		t
ncenaphthylene	499	67	"		"	"	"		
Dimethyl phthalate	ND	67							1
2,6-dinitrotoluene	ND	67	"					**	t
cenaphthene	245	67	"		"	"		. "	
3-nitroaniline	ND	67		*					1
2,4-dinitrophenol	ND	130		"	,	"		"	1
libenzofuran	495	67			"	"			
2,4-dinitrotoluene	ND	67		"					1
1-nitrophenol	ND	130		**	*		**	"	1
luorene	429	67	**	**					
I-Chlorophenyl phenyl ether	ND	67	**				**		1

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East (7B13008-01) Soil Sampled: 02/13/	07 10:15 Received: 02/	13/07 12:05	;	1100	21 division	of Plain	Commission of	Torch Called	Claric made
Diethyl phthalate	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07	8270	ı
4-nitroaniline	ND	67			* (150				t
4,6-Dinitro-2-methylphenol	ND	130	"	"			"		ι
n-nitrosodiphenylamine	ND	67	"						ι
4-bromophenylphenylether	ND	67	"			"			ı
hexachlorobenzene	ND	67		"			"		U
pentachlorophenol	ND	130				"	"	n.	U
phenanthrene	7330	335		5			"		
anthracene	1890	67		1			"		
carbazole	360	67	*	"	"	"	"	. 1000	
Di-n-butyl phthalate	ND	67	**	"	н		"		U
benzidine	ND	330	"						U
fluoranthene	7770	335		. 5					D
3,3'-Dichlorobenzidine	ND	67		1		"			U
pyrene	9220	335	"	5					D
Butyl benzyl phthalate	158	67	"	1	" ()	"		. 10	
Benzo (a) anthracene	5040	67	*		* (1)				
chrysene	3880	67				.11			
bis(2-ethylhexyl)phthalate	426	67	*			н,		"	
Di-n-octyl phthalate	ND	67	"		" (1)	"			U
Benzo (b) fluoranthene	4870	67	"			"		and anything	
Benzo (k) fluoranthene	1800	67	"		* 487				
Benzo (a) pyrene	3520	67	"		" (7.0	"			
Indeno (1,2,3-cd) pyrene	908	67			" (5)	"			
Dibenz (a,h) anthracene	544	67			" (927)	"			
Benzo (g,h,i) perylene	665	67	"		" tor			net and stay	
Surrogate: 2-Fluorophenol		83.1 %	40-10.	3	"	"	,	Religion monutain	
Surrogate: Phenol-d6		85.3 %	43-10	8	" (1)	"		- La signal	
Surrogate: Nitrobenzene-d5		89.2 %	50-98	13	"	"	"		
Surrogate: 2-Fluorobiphenyl		92.8 %	49-98		w 70 /	"	"		
Surrogate: 2,4,6-Tribromophenol		96.8 %	52-11.	2	" (1)	"		"	
Surrogate: Terphenyl-d14		180 %	43-100	8	# 170%	"	"	" "	S-04
				-					

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Vest (7B13008-02) Soil Sampled: 02/13/07	10:15 Received: (	02/13/07 12:0:	5	o try ar	Efficiency of	S. 41:01/70	rostr bitain	z Trak (cakto)	HP (IST
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07	8270	
is(2-chloroethyl)ether	ND	67			"	"	"		
henol	ND	130	"	"	"	"		Linguish all times	
-chlorophenol	ND	130	"	"	"	"	"	Sandifellar	
,3-dichlorobenzene	ND	67		"				made sive findat yill	
,4-dichlorobenzene	ND	67	"	"	"()59	"		* Companie	
,2-dichlorobenzene	ND	67		"	*****	"		" mode	
enzyl alcohol	ND	67	"		* 1			" 1000	
is(2-chloroisopropyl)ether	ND	67	11	"	"	"	"	*	
-methylphenol	ND	67	"	"				"	
exachloroethane	ND	67		"				<b>"</b>	
N-Nitrosodi-n-propylamine	ND	67			* 1				
& 4-methylphenol	ND	130			* 101	"	"		
itrobenzene	ND	67			* (1)			and", select	
sophorone	ND	67	"						
-nitrophenol	ND	130					"	SUPERIOR IS	
4-dimethylphenol	ND	130		н.				nu tuesday.	
is(2-chloroethoxy)methane	ND	67			* 661				
enzoic acid	ND	330						material advised	
,4-dichlorophenol	ND	130						e. about the	
2,4-trichlorobenzene	ND	67			* 000		*	Sandar mul	
aphthalene	ND	67		"	* 0.1			non-Management	
-chloroaniline	ND	67			* 1				
exachlorobutadiene	ND	67			1.00	"			
-chloro-3-methylphenol	ND	130	"	7.5 "	*****		**	Land Marchand	
-methylnaphthalene	ND	67							
exachlorocyclopentadiene	ND	130							
4,6-trichlorophenol	ND	130			**				
4,5-trichlorophenol	ND	67							
-chloronaphthalene	ND	67				"			
-nitroaniline	ND	67							
cenaphthylene	ND	67							
imethyl phthalate	ND	67				"			
6-dinitrotoluene	ND	67		,,		"			
renaphthene	ND	67							
nitroaniline	ND	67							
4-dinitrophenol	ND	130							
benzofuran	ND	67	"						
4-dinitrotoluene	ND	67							
		130						.,	
-nitrophenol	ND								
uorene -Chlorophenyl phenyl ether	ND ND	67 67	100						

Waste Stream Technology Inc.

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2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

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## Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West (7B13008-02) Soil Sampled: 02/13	/07 10:15 Received:	02/13/07 12:0	5	70/0	· paring a	et all there	Did integral	et a renignon	85 14 17
Diethyl phthalate	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07	8270	U
4-nitroaniline	ND	67	н		*				U
4,6-Dinitro-2-methylphenol	ND	130	н		"	"	**	"	U
n-nitrosodiphenylamine	ND	67	"	"			**	**	U
4-bromophenylphenylether	ND	67			**		"		U
hexachlorobenzene	ND	67	"	"		н		"	U
pentachlorophenol	ND	130	"						U
phenanthrene	149	67	"						
anthracene	ND	67	"						U
carbazole	ND	67	**				*	**	U
Di-n-butyl phthalate	ND	67	"	.00		"	**		U
benzidine	ND	330	"				**		U
fluoranthene	293	67	"		**		"		
3,3'-Dichlorobenzidine	ND	67	*		"		"		U
pyrene	329	67	*		W = 1 A		"	**	
Butyl benzyl phthalate	ND	67	**			"	"		U
Benzo (a) anthracene	184	67	**	"	*	"			
chrysene	161	67				"	**	"	
bis(2-ethylhexyl)phthalate	413	67		"		"			
Di-n-octyl phthalate	ND	67						" money	U
Benzo (b) fluoranthene	299	67				"	"		
Benzo (k) fluoranthene	140	67			"	"	"		
Benzo (a) pyrene	184	67		11	*	"	*		
Indeno (1,2,3-cd) pyrene	ND	67		**	* (1.4)		"		U
Dibenz (a,h) anthracene	ND	67			" ( )	"			U
Benzo (g,h,i) perylene	ND	67			"	"			U
Surrogate: 2-Fluorophenol		84.6 %	40-10	3	"	"	"	mathematical and an area	
Surrogate: Phenol-d6		87.4 %	43-10	8	"	"	"		
Surrogate: Nitrobenzene-d5		90.1%	50-98	8	"	н	"	"	
Surrogate: 2-Fluorobiphenyl		94.2 %	49-98	3	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		99.8 %	52-11	2	"	"	"	"	
Surrogate: Terphenyl-d14		135 %	43-10	8	"	"	"	"	S-04

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
North (7B13008-03) Soil Sampled: 02/13/07 10:15	Received: 0	2/13/07 12:	05	est terri	Till dia rivosi	1 23:01 10	td. Sy shelgar	er (150-80	of Old Labor
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07	8270	
bis(2-chloroethyl)ether	ND	67	11		* (1)	"	"		
phenol	ND	130	"	()) (#		"	"	Decade Woods	
2-chlorophenol	ND	130	"			"	"	500 May 75	
,3-dichlorobenzene	ND	67	"		* 0.4	"	"	a distribution	
,4-dichlorobenzene	ND	67	"			*			
,2-dichlorobenzene	ND	67				*	"	* 1155	
penzyl alcohol	ND	67	"	**	0 [18]				
pis(2-chloroisopropyl)ether	ND	67	**	н		"			
2-methylphenol	ND	67	"				11	"	
hexachloroethane	ND	67	"			"		* * * * * * * * * * * * * * * * * * *	
N-Nitrosodi-n-propylamine	ND	67				"			
3 & 4-methylphenol	ND	130	"		# (III 2 )				
nitrobenzene	ND	67	"			"		auth that	
isophorone	ND	67			H []		**	**	
2-nitrophenol	ND	130			# CD				
2,4-dimethylphenol	ND	130	"		. 1111			9.7	
Bis(2-chloroethoxy)methane	ND	67	"			**			
penzoic acid	ND	330			n 321			material words	
2,4-dichlorophenol	ND	130			n (1)/				
1,2,4-trichlorobenzene	ND	67	"					transfer en	
	ND	67	"			"			
naphthalene		67							
4-chloroaniline	ND				. 551				
hexachlorobutadiene	ND	67	,,						
4-chloro-3-methylphenol	ND	130							
2-methylnaphthalene	ND	67							
nexachlorocyclopentadiene	ND	130						The state of the state of	
2,4,6-trichlorophenol	ND	130	"	"	"			All the same	
2,4,5-trichlorophenol	ND	67	0.00 "		"			a Thomson Lot	
2-chloronaphthalene	ND	67	3730 h. "	" "			"	- hormonday -	
2-nitroaniline	ND	67						storing the a	
cenaphthylene	ND	67	11.11.	"	"	"	"	A Children May	
Dimethyl phthalate	ND	67	"	"	"	"	"	"	
2,6-dinitrotoluene	ND	67	"				"		
cenaphthene	114	67	"		"	"			
nitroaniline	ND	67		"	"	"	"	"	
2,4-dinitrophenol	ND	130	"	"	"	"			
libenzofuran	95	67	"	**	"	"	"	"	
2,4-dinitrotoluene	ND	67	"	"	"	"	"		
4-nitrophenol	ND	130		"	*	"	*		
luorene	126	67	"	**	**	"	**	"	
1-Chlorophenyl phenyl ether	ND	67					"		

Waste Stream Technology Inc.

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2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
North (7B13008-03) Soil Sampled: 02/13/	07 10:15 Received:	02/13/07 12:	05	n nici	TE CHICAGO ST	9 21 0 70	TALL Calman	the contribution	10 same
Diethyl phthalate	ND	67	ug/kg dry	1.1	AB71701	02/17/07	02/18/07	8270	t
4-nitroaniline	ND	67	"		" 0/	"	"		t
4,6-Dinitro-2-methylphenol	ND	130	"				"		Į.
n-nitrosodiphenylamine	ND	67	**		" ( )	"	"		L.
4-bromophenylphenylether	ND	67	"			"	"		U
hexachlorobenzene	ND	67	"		**	*			L.
pentachlorophenol	ND	130	"	"	" (1)	"	"		ι
phenanthrene	1150	67	"	"	H (1)	н.			
anthracene	254	67	"		" ()	н.	**		
carbazole	116	67	"				"		
Di-n-butyl phthalate	ND	67	"		* 435				t
benzidine	ND	330			. (1)	"			L
fluoranthene	1500	67	**		. 1101	"			
3,3'-Dichlorobenzidine	ND	67	**				"		U
pyrene	1660	67	"						
Butyl benzyl phthalate	ND	67	"			"		**	U
Benzo (a) anthracene	820	67	"		* cp/	"	"	**	
chrysene	810	67	"						
bis(2-ethylhexyl)phthalate	155	67	"			"			
Di-n-octyl phthalate	ND	67	**		**				U
Benzo (b) fluoranthene	1270	67	"		. 08		*		
Benzo (k) fluoranthene	411	67		*	9. (6)			"	
Benzo (a) pyrene	808	67							
Indeno (1,2,3-cd) pyrene	283	67				"			
Dibenz (a,h) anthracene	112	67			* cm	**			
Benzo (g,h,i) perylene	291	67							
Surrogate: 2-Fluorophenol		83.7 %	40-10	0.3		,,	,,		
Surrogate: Phenol-d6		87.4%	43-10		"	"	,,		
Surrogate: Nitrobenzene-d5		88.2 %	50-9		" 07	"	"		
Surrogate: 2-Fluorobiphenyl		94.9 %	49-9		" (1/	"	"	"	
Surrogate: 2,4,6-Tribromophenol		99.3 %	52-11	2	" (1)	"	"	"	
Surrogate: Terphenyl-d14		137 %	43-10		"	"	"		S-04
									in Jayles and

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

#### Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South (7B13008-04) Soil Sampled: 02/13/	/07 10:15 Received:	02/13/07 12:0	)5	user since	I Ordendario	07 (0815-10	CEn diploma	s after the Root	garn ans.
N-Nitrosodimethylamine	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07		
bis(2-chloroethyl)ether	ND	67	"						
phenol	ND	130		111	" (1)	"	"	London Marino	
2-chlorophenol	ND	130		y #		"		enriful cital	
,3-dichlorobenzene	ND	67	"		. (14)			y lipher by light, or	
1,4-dichlorobenzene	ND	67		"			"	*	
,2-dichlorobenzene	ND	67		н	" (		"	* Teasters	
penzyl alcohol	ND	67		T-1 #	H (	"			
bis(2-chloroisopropyl)ether	ND	67			. UN		"	"	
2-methylphenol	ND	67			" (7)	"		"	
hexachloroethane	ND	67			* 00	"		* inhants	
N-Nitrosodi-n-propylamine	ND	67		12.0		"			
3 & 4-methylphenol	ND	130						"	
nitrobenzene	ND	67						2010	
	ND	67			. 011	**			
isophorone	ND	130		T 0 W	" (1)	"	"	n. Marting	
2-nitrophenol	ND	130	**			**		To send	
2,4-dimethylphenol	ND	67				"			
Bis(2-chloroethoxy)methane	ND	330				**		white water to	
benzoic acid	ND	130				**			
2,4-dichlorophenol	ND	67						vis Armenta	
1,2,4-trichlorobenzene	ND	67				"			
naphthalene	ND ND	67	,,		. 06				
4-chloroaniline									
hexachlorobutadiene	ND	67							
4-chloro-3-methylphenol	ND	130							
2-methylnaphthalene	ND	67							
hexachlorocyclopentadiene	ND	130							
2,4,6-trichlorophenol	ND	130						100000	
2,4,5-trichlorophenol	ND	67							
2-chloronaphthalene	ND	67		31.0				Trownshound	
2-nitroaniline	ND	67	"	"			Visit	militaria in 1975	
acenaphthylene	ND	67		13"4				A good trought.	
Dimethyl phthalate	ND	67	*	"					
2,6-dinitrotoluene	ND	67	**	"			,		
acenaphthene	ND	67	"		"				
3-nitroaniline	ND	67	"	"	"			"	
2,4-dinitrophenol	ND	130	"	"	"				
dibenzofuran	ND	67	**	*	"	"			
2,4-dinitrotoluene	ND	67	**	"	"	"	."		
4-nitrophenol	ND	130	**	"	"	"	"		
fluorene	ND	67		"	"		**		
4-Chlorophenyl phenyl ether	ND	67		"	"	**		"	

Waste Stream Technology Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Reported: Project Manager: Jeff Shirley 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South (7B13008-04) Soil Sampled: 02/1	13/07 10:15 Received:	: 02/13/07 12:	05	0.00	Laborator and	AL RIGHT W	LUO designice	Not say that sa	t i dance
Diethyl phthalate	ND	67	ug/kg dry	1	AB71701	02/17/07	02/18/07	8270	ı
4-nitroaniline	ND	67	"						1
4,6-Dinitro-2-methylphenol	ND	130	**				**		1
n-nitrosodiphenylamine	ND	67	"		" 04	**		**	ı
4-bromophenylphenylether	ND	67							
hexachlorobenzene	ND	67			* 0.4				ı
pentachlorophenol	ND	130			* (1.4	"		,	ı
phenanthrene	ND	67			"	**	**	**	L
anthracene	ND	67	**			"			ı
carbazole	ND	67							ı
Di-n-butyl phthalate	ND	67	"			"		*	Ü
benzidine	ND	330	*			"	**		U
fluoranthene	ND	67	**		* 054	"		,	U
3,3'-Dichlorobenzidine	ND	67							U
pyrene	110	67							·
Butyl benzyl phthalate	ND	67				**			U
Benzo (a) anthracene	ND	67	"			"	**		U
chrysene	ND	67	"	. "					U
bis(2-ethylhexyl)phthalate	ND	67							U
Di-n-octyl phthalate	ND	67	"		" (1)				U
Benzo (b) fluoranthene	130	67	"						
Benzo (k) fluoranthene	ND	67	**						U
Benzo (a) pyrene	ND	67				"	**		U
ndeno (1,2,3-cd) pyrene	ND	67		*		"	"		U
Dibenz (a,h) anthracene	ND	67	"		"	"	"		U
Benzo (g,h,i) perylene	ND	67		"				Table to	U
Surrogate: 2-Fluorophenol		85.3 %	40-10	)3	"	"	"		
Surrogate: Phenol-d6		87.3 %	43-10	08	"	"	,,		
Surrogate: Nitrobenzene-d5		88.2 %	50-9	8	"	"	"		
Surrogate: 2-Fluorobiphenyl		93.0 %	49-9	8		"	"	*	
Surrogate: 2,4,6-Tribromophenol		97.4 %	52-11	2		,,	"	"	
Surrogate: Terphenyl-d14		150 %	43-10	08	"		"	" "	G
									G

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Real Re	esult	Reporting Limit		ts	Dilution	Batch	Prepared	Analyzed	Method	Notes
Water (7B13008-06) Water	Sampled: 02/13/07 10:15	Received:	02/13/07	12:05	20:00	07,040	In Amel	Later Contract	e disfanção 1	195 150, 2000	(All of Instants
naphthalene		ND	2	ug/	1	1	AB71901	02/19/07	02/19/07	8270	U
Acenaphthylene		ND	2				"				U
acenaphthene		ND	2	"		я					U
fluorene		ND	2	"							U
phenanthrene		7	2			"	*	"			
anthracene		ND	2	"				"			U
fluoranthene		7	2				*0.0				of both Burns
pyrene		8	2				* 02				
Benzo (a) anthracene		4	2					**			
chrysene		5	2				* (19)	"	**	**	
Benzo (b) fluoranthene		5	2								
Benzo (k) fluoranthene		6	2	"			"	"			
Benzo (a) pyrene		4	2								
ndeno (1,2,3-cd) pyrene		ND	2								U
Dibenz (a,h) anthracene		ND	2								U
Benzo (g,h,i) perylene		ND	2			н:	"		*		U
Surrogate: Nitrobenzene-d5			25.5 %		46-98		"	"	"	"	S-04
Surrogate: 2-Fluorobiphenyl			18.6 %		48-105		"	"	"	"	S-04
Surrogate: Terphenyl-d14			24.6%		50-120		"	"	,,	"	S-04

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## TCLP Volatile Organic Compounds by EPA Method 1311/8260B Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil	Sampled: 02/13/07 10:15 Receiv	ved: 02/13/07 1	12:05	11,50	py/founds	efebaşayı i.i	E chalgear.	015-74 (AB-800E)	Frank R
vinyl chloride	ND	10	ug/l	1	AB71703	02/17/07	02/17/07	8260-TCLP	L
1,1-dichloroethene	ND	10	"		**	"		" 100	U
2-butanone	ND	100	"	"	" ()	**	"	"	l
chloroform	ND	10			* (1)	"	**	"	t
carbon tetrachloride	ND	10	**	"	*			. 987	ι
benzene	ND	10	*	"				**	t
1,2-dichloroethane	ND	10	11	"				"	t
trichloroethene	ND	10	"	"	W (5)	"		"	· ·
tetrachloroethene	ND	10			"	"		and according	La
chlorobenzene	ND	10		9.	"	"			Marie L
1,4-dichlorobenzene	ND	10			"	"		and the call	sell mostit
Surrogate: Dibromofluorometi	hane	94.3 %	75-12	5	" ()	"	"	10 mm (10 mm)	
Surrogate: 1,2-Dichloroethane		96.0 %	66-12	8	"	"	"	· Different	
Surrogate: Toluene-d8		96.7%	81-11	8	"	"	"	*	
Surrogate: Bromofluorobenzei	ne	106 %	85-12	3	"	*	"		

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## TCLP Pesticides by EPA Method 1311/8081A

Analyte		Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil	Sampled: 02	/13/07 10:15 Receive	ed: 02/13/07 1	2:05	517041150	Begginsel	1-01 10710	5 billians 2	Real Page 1 Self	A still do 12
Gamma-BHC (Lindane)		ND	0.040	ug/l	0.00	AB71514	02/15/07	02/20/07	EPA 8081A	Chille (I
Heptachlor		ND	0.040	"						
Heptachlor Epoxide		ND	0.040						and other	and the second
Endrin		ND	0.040	"						
Methoxychlor		ND	0.040	"						
Chlordane		ND	0.800	"						
Гохарнепе		ND	0.040							
Surrogate: Tetrachloro-meta-	cylene		106 %	55-	135	"	"		,,	
Surrogate: Decachlorobipheny			97.5%		130	"	"			

Project: Buffalo Forge - Solids

2749 Lockport Road

Project Number: Buffalo Forge E916

Reported: 02/21/07 16:46

Niagara Falls NY, 14302

Project Manager: Jeff Shirley

# TCLP Herbicides by EPA Method 1311/8151A

Analyte	e e e	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil	Sampled: 02/1	3/07 10:15 Receive	ed: 02/13/07 1	2:05	10673	mideodi i	e i con constitu	U. Sampleder	ne organizati	STATE OF
2,4-D	Warmen Sta	ND	20.0	ug/l	50	AB71522	02/15/07	02/21/07	8151	U
2,4,5-TP (Silvex)		ND	20.0	*		" ()	"	"		U
Surrogate: 2 4-DCPAA			78.5 %	24-1	146	" (10	"	"		

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

# TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C Waste Stream Technology Inc.

Analyte	Lot your (M)	Lemmon	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil	Sampled: (	02/13/07 10:	:15 Receive	d: 02/13/07 1	2:05	80.4( Cont.)	tamores	u zhor	All field sustained	2107 9 10 400	OF REIT COLUMN
pyridine	West Chi	100030	ND	8	ug/l	05.01	AB71606	02/16/07	02/17/07	8270C-TCLP	- 1
1,4-dichlorobenzene			ND	8			* 1			н	india- i
Total cresols (o,m & p)			ND	24							
hexachloroethane			ND	8		PRINCE WAR	М	0.0	RESIDENTIA		DE DUNG
nitrobenzene			ND	8							Data de la Contraction de la C
hexachlorobutadiene			ND	8	"					"	thing of
2,4,6-trichlorophenol			ND	16		"		"			
2,4,5-trichlorophenol			ND	8	"	n	и		Charlestonic	012 (5) 200	latenar,
2,4-dinitrotoluene			ND	8		0.70			"		
hexachlorobenzene			ND	8					"		U
pentachlorophenol			ND	16				"	"		1
Surrogate: 2-Fluorophenol				26.5 %	1	4-53			ETTER I WITHIN	Tine ( , see	and the same
Surrogate: Phenol-d6				17.1%		0-35		"	**	"	
Surrogate: Nitrobenzene-d5				79.8 %		8-96	"	"	"	,,	
Surrogate: 2-Fluorobiphenyl				85.0%	4	1-95	"	,,	,,	"	
Surrogate: 2,4,6-Tribromopher	nol			60.6 %		1-124	"		di dodanoido Ro	e en e uras	
Surrogate: Terphenyl-d14				112%		-127	" - "		"		

Niagara Falls NY, 14302

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 2749 Lockport Road

Reported: 02/21/07 16:46 Project Manager: Jeff Shirley

## Conventional Chemistry Parameters by EPA Methods Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East (7B13008-01) Soil Sampled: 02/13/07 10:15	Received: 0	2/13/07 12:05	70.51	10.55	barlano III.E	Color running	Training mest	Horacocking on	(alighor?
Cyanide (total)	ND	0.50	mg/kg dry	1	AB72031	02/19/07	02/20/07	EPA 9014	
% Solids	75.0	0.1	%		AB71610	02/15/07	02/16/07	% calculation	
West (7B13008-02) Soil Sampled: 02/13/07 10:15	Received:	02/13/07 12:0	5		- av				and a second
Cyanide (total)	ND	0.50	mg/kg dry	1	AB72031	02/19/07	02/20/07	EPA 9014	
% Solids	74.5	0.1	%	"	AB71610	02/15/07	02/16/07	% calculation	
North (7B13008-03) Soil Sampled: 02/13/07 10:1	5 Received:	02/13/07 12:	05		in.			bestern	ing estate
Cyanide (total)	ND	0.50	mg/kg dry	1.	AB72031	02/19/07	02/20/07	EPA 9014	
% Solids	73.1	0.1	%	"	AB71610	02/15/07	02/16/07	% calculation	
South (7B13008-04) Soil Sampled: 02/13/07 10:1	5 Received:	02/13/07 12:	05		- Unit				
Cyanide (total)	ND	0.50	mg/kg dry	1	AB72031	02/19/07	02/20/07	EPA 9014	
% Solids	74.9	0.1	%		AB71610	02/15/07	02/16/07	% calculation	
Stockpile (7B13008-05) Soil Sampled: 02/13/07	0:15 Receiv	ed: 02/13/07	12:05				Till de	de mal XXX	
pH	8.55	0.10	pH Units	1	AB71704	02/15/07	02/15/07	EPA 9045C	
% Solids	96.9	0.1	%	"	AB71610	02/15/07	02/16/07	% calculation	

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 02/21/07 16:46

## Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared .	Analyzed	Method	Notes
Stockpile (7B13008-05) Soil Sampled:	02/13/07 10:15 Receiv	ed: 02/13/07 1	2:05						
Ignitability by Flashpoint	>200	Yet	deg F	1	AB71526	02/15/07	02/15/07	EPA 1010	
Reactive Cyanide	ND	40.0	mg/kg	TOTAL METERS	AB71427	02/14/07	02/15/07	Section 7.3.3.2	
Reactive Sulfide	48.1	40.0	"	"	AB71426	02/14/07	02/15/07	Section 7.3.4.2	

Sevenson Environmental Services
Project: Buffalo Forge - Solids
2749 Lockport Road
Project Number: Buffalo Forge E916
Niagara Falls NY, 14302
Project Manager: Jeff Shirley
02/21/07 16:46

#### **Notes and Definitions**

U	Analyte included in the analysis, but not detected		
S-04	The surrogate recovery for this sample is outside of established control limits due to a	sample matrix effect.	
G	G denotes analyte recovery is greater than the upper quality control limit.		
	Seminary in the seminary of th		
D	This flag assigned to compounds identified in an analysis at a secondary dilution factor		
В	Analyte is found in the associated blank as well as in the sample (CLP B-flag).		
DET	Analyte DETECTED		
ND	Analyte NOT DETECTED at or above the reporting limit		
NR	Not Reported		
dry	Sample results reported on a dry weight basis		
RPD	Relative Percent Difference		



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Reported: 01/26/07 09:16

Results for PAR3008-01

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

Search

Project: Buffalo Forge Project Number: Buffalo Forge E916 UST & BLD 12 capacitor

HelpWork Order

Project Manager: Jeff Shirley

**UST BLDG 10 North** 7A23008-01 (Soil) Waste Stream Technology Inc.

Analyte LevienA Basylan	resure	Reporting Limit	Unit	3	Diluti	IOII	Batch	Prepared	Analyzed	Analysis	Note
naphthalene	ND	67	ug/kg (	(dry)	1		AA72410	01/24/07	01/24/07	8270	
anthracene	ND	67			"		"	<b>.</b>	"	" 808	
acenaphthene	ND	67			"		"		"		
Acenaphthylene	ND	67			"			m [/]	"	an Slynter	
Benzo (a) anthracene	ND	67			**		"	5.834	. 60	eper for (a	
Benzo (b) fluoranthene	ND	67			"		"	<b>m</b> [2]	. 900		
Benzo (k) fluoranthene	ND	67			. 11				. 500	dina *eff.	
Benzo (g,h,i) perylene	ND	67	"		"		"	201	. 90	mose and a	
Benzo (a) pyrene	ND	67	"		"		"	<b>5</b> 14	"	-9/18*t/Q (6)	
chrysene	ND	67	"		"						
Dibenz (a,h) anthracene	ND	67			"			* 17	" enec	cadine id Ly	
fluoranthene	ND	67	"		. 11		"	<b></b>	"	" sned	
fluorene	ND	67	"		"		"	* 14	"		
Indeno (1,2,3-cd) pyrene	ND	67	**		"		"		" enany	g (55% Set)	
phenanthrene	ND	67			"				"		
pyrene	ND	67			"			-UC		"	
Nitrobenzene-d5 [surr]	68.9%	(50 - 98)	**************************************		"	(88)	- 02"			a) 25 <b>"</b> an "an	e d'anni
2-Fluorobiphenyl [surr]	68.5%	(49 - 98)					-65%			z) iyr <b>•</b> sfaydd	
Terphenyl-d14 [surr]	86.1%	(43 - 108)			**						

Conventional	Chemistry	Parameters	by	EPA Methods	
--------------	-----------	------------	----	-------------	--

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
% Solids	65.7	0.1	%	\$010 AA	AA72502	01/24/07	01/25/07	% calculation	% Solids



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Results for TAD3008-02

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

Search

HelpWork Order

Project: Buffalo Forge Project Number: Buffalo Forge E916 UST & BLD 12 capacitor

Project Manager: Jeff Shirley

Log Out

Reported: 01/26/07 09:18

**UST BLDG 10 South** 7A23008-02 (Soil) Waste Stream Technology Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte slevisoA besylanA	_	Reporting L			Dilutio	n Batch	Prepared	Analyzed	Analysis	Note
naphthalene	ND	0 0153744	67	ug/kg (dry)	1	AA72410	01/24/07	01/24/07	8270	ritatre
anthracene	ND		67			"		"	" eng	
acenaphthene	ND		67			11		"	et sign	
Acenaphthylene	ND		67			"		"	mpy@egm	
Benzo (a) anthracene	ND		67						ensiden i	
Benzo (b) fluoranthene	ND		67				<b>5</b> /4	" 000	diam's to	
Benzo (k) fluoranthene	ND		67				20		* T	
Benzo (g,h,i) perylene	ND		67							
Benzo (a) pyrene	ND		67				501		she"(q) is	
chrysene	ND		67					"		
Dibenz (a,h) anthracene	ND		67	"			. M.M.	• 9090	emine in s.	
fluoranthene	ND		67					"		
fluorene	ND		67					"	"	
Indeno (1,2,3-cd) pyrene	ND		67				234		0 (0.4	
phenanthrene	ND		67				. U.S.	"		
pyrene	ND		67		"	"	.N.			
Nitrobenzene-d5 [surr]	73.3%	(50 -	98)			SD=08"	• 0.98		niën voer	astedi
2-Fluorobiphenyl [surr]	73.7%	(49 -	98)			14 - PW"	. 3.48			
Terphenyl-d14 [surr]	84.9%	(43 - 1	108)			70 - C.		"	must be be	

Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Li	imit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
% Solids	70.5	- Yellower	0.1	%	- 60 <b>1</b> 5564	AA72502	01/24/07	01/25/07	% calculation	% Salids

# SEVENSON ENVIRONMENTAL SERVICES, INC.

2749 Lockport Road Niagara Falls, NY 14305 Telephone: (716) 284-0431 Telefax: (716) 285-4201 UST Sample Realts

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(I	POST-X Samples (NORTH, SOUTH EAST, WEST WAlls mo BOTTOM)  Soil Stockpile Chamacterization
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Nore	POST-X Samples (NORTH SOUTH EAST, WEST WALLS  MO BOTTOM)  Post-X Samples (NORTH SOUTH EAST, WEST WALLS  MO BOTTOM)  Ity Result for NORTH WALL (NW) AND  BENZO(A) PYPENE RESULT FOR WEST WALL (WILL  ITHERETE RESULT FOR WEST WALL  ITHERETE RESULT FOR WEST WALL (WILL  ITHERETE RESULT FOR WEST WALL  ITHERETE RESULT FOR WEST WALL FOR

# SERVICES INC.

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2749 Lookpan Roed Viagens Palls, NY 14305 Talephone: ("16) 284-0431 Telebor 17161 285-4201

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Log Oct 03

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

Results for 6 处 7013-03

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

BF-Bldg10SW-112706

6K27013-03 (Soil) Waste Stream Technology Inc.

Above man bur below EASTERN US BKQL

"2" - ABOJE EASTERN US BYdg

Metals by E	PA 6000/70	00 Series Metho	ods					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis Notes
Mercury	ND	0.014	mg/kg (dry)	1	AK62920	11/29/06	11/29/06	EPA 7471A
Silver	ND	2.50		5	AK62816	11/28/06	"	EPA 6010B
Aluminum	7850	12.5			08.2	" 01/	"	"
Arsenic	ND	8.50		n	"			
Barium	78.3	5.00	"		08"-181	"		и
Beryllium	ND	2.50		**	- (oc " - 80)	"		
Calcium	72100 V	12.5	"			"		- instalkandronousesed
Cadmium	ND	5.00	"		"		п	
Cobalt	7.56	5.00	"	"		la ya sbau	- 11	Samivelatile Organic
Chromium	11.8	5.00	a inplituito	"	"	etiit "Reput	Re.	Analyte
Copper	17.1	5.00	"	"			"	
Iron	15500 (	41.5	ALA "	(App. 6. 6		. ОИ		en mahuntamibbeauw. M
Magnesium	26900 2	60.0	"	"		. 04		ols(2-chloroethy[]ether
Manganese	463	5.00	**	"		, OM		n lensite
Nickel	18.7	5.00	**	19	081,		"	2-chlarophenol "
Lead	ND	20.5			78 "	. OM	"	- enegrisdostitab-5,1
Antimony	ND	7.00			70 "	. 014		f,4-achlorobergene
Selenium	ND	7.00		"	70	. ON		1.2-dighterbenzene
Thallium	ND	5.00	"	"		. CN	"	, Joslovie kyshad
Vanadium	14.6	5.00		11	10.0	. ОИ	"	schellego, accional to Shald
Zinc	60.4 2	20.0	"	"		. OM	"	2-mailtylphanol.,
Potassium	1140	14.0	"	1	AK62817			haxaqnlorqethura
Sodium	246	45.0	"		"	. GM		N. Winseden propylanika

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Alpha-BHC	ND	0 400	ug/kg (dry)	1	AL60117	12/01/06	12/02/06	8081A/8082	
Beta-BHC	ND	0 400	н			"	"	"	
Gamma-BHC (Lindane)	ND	0 400	"		"		"		
Delta-BHC	ND	0 400	"	0	"	97		lonario i di	
Heptachlor	ND	0 400	11	"	"		"	nneshedelolne	
Aldrin	ND	0 400	"				"	n British	

Heptachlor Epoxide	ND	0.400	"	"	sos "Internal	"		
Endosulfan I	ND	0.400	11 1000	.11	"	"	"	Carlo Sale
Dieldrin	ND	0.400	"	"	118 "			"
4,4'-DDE	ND	0.400	"			1)	"	F. 128 (2003)
Endrin	ND	0.400	u u	"	"	"	"	
Endosulfan II	ND	0.400	н	"	******		". POVEN	or three?
4,4'-DDD	ND	0.400	"	**		n	n and fatherman	H CONTRACTOR OF THE CONTRACTOR
Endrin Aldehyde	ND	0 400			9 "	"	"	2749 Lordgod S
Endosulfan Sulfate	ND	0.400		"	may "	"	" SOCIAL S	Megrus Haller
4,4'-DDT	ND	0 400	"	"			"	n .
Endrin Ketone	ND	0.400					14500	Short I 1
Methoxychlor	ND	0.400		н	"	. Project	# 7 July 12	6."
Chlordane	ND	6.70	and the state of	. "(55)	"	н	n	н
Toxaphene	ND	8.30	"	"	. 195	Sty Dan	. 340	> m\
Aroclor 1016	ND	3.30	"	"	"	"	"	
Aroclor 1221	ND	3.30	11	u	ebensols	EW 186 1U	U HOUDS A	Am Ac similari
Aroclor 1232	ND	3.30	months of	"	u simila i	nwiode?	" 10805	e control
Aroclor 1242	ND	3.30					"	
Aroclor 1248	ND	3.30	"	п	O.014 # mg/s	"	# ON	. 4000
Aroclor 1254	ND	3.30	n	"	- 0e S	"	H GIA	
Aroclor 1260	ND	3.30	"	"	12 5 1	"	* 2880 *	" munimulA
Tetrachloro-meta-xylene [surr]	92.5%	(61 - 140)		"	# 00 B		# E 37	(m) mune8
Decachlorobiphenyl [surr]	90.0%	(56 - 136)		"	. 08.5	"	• (B)	n

Semivolatile	Organic	Compounds	by	EPA	Method 827	OC.
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AL60116	12/01/06	12/01/06	8270	Coppe
bis(2-chloroethyl)ether	ND	67	11	"	"	"	"		Macros
phenol	ND	130		"	"	"	"	"	spasN
2-chlorophenol	ND	130		"	"	"		"	Indella
1,3-dichlorobenzene	ND	67		"	# 00°	"	i da	"	
1,4-dichlorobenzene	ND	67	"	"	"	"	G/A		100
1,2-dichlorobenzene	ND	67		"	"00 5	"		"	Literal
benzyl alcohol	ND	67		"	"	"	ÖM	"	
bis(2-chloroisopropyl)ether	ND	67	"	11	" (1)	"			downey
2-methylphenol	ND	67		"	- "000	"	Tw L ba	"	onis
hexachloroethane	ND	67	"	"	"	"	0811	mij	
N-Nitrosodi-n-propylamine	ND	67	"	"	0.03	"	245	"	Bodium
3 & 4-methylphenol	ND	130		"	"	n	"	"	
nitrobenzene	ND	67	"	"	"	"		· ·	
isophorone	ND	67	APRUL EDO			"			
2-nitrophenol	ND	130	mar . elim	7 11 11 11	GOLDON BEST	The state of	"	"	ST KIPTIN
2,4-dimethylphenol	ND	130		"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	67	( # ]		"	OVI "	"	"	
benzoic acid	ND	330	"	UNITED ST	"	EIA .	"	"	HE SIGN
2,4-dichlorophenol	ND	130	"	(m)	"	QIA .	n (95)	SUCLUMENTS	shinied
1,2,4-trichlorobenzene	ND	67	"	H 4 3	"	DM.	"	" "	
naphthalene	ND	67	"	(n) 1- 0	"	ON.	"	11	
4-chloroaniline	ND	67	"	Ge 0	"	0// "	"	"	

hexachlorobutadiene	ND	67	n	"	"			
4-chloro-3-methylphenol	ND	130	"	"	"	11	"	. "
2-methylnaphthalene	ND	67	" 2	EPA wethod	Vin all	Office L	grafa la 10	lanalineva
hexachlorocyclopentadiene	ND	130	0.0.111	1 MinU	n m	Reporting	firea?	" Style
2,4,6-trichlorophenol	ND	130	n	n		n		ıı .
2,4,5-trichlorophenol	ND	67	"	Tvill page		"	0."	(#.tof)(6b)ne
2-chloronaphthalene	ND	67	,,		. 5	"	0.89	· sbilo
2-nitroaniline	ND	67	"		"		"	
acenaphthylene	ND	67	"	"	"	"		J. Mamora 200
Dimethyl phthalate	ND	67	"		"		"	n
	ND	67	"		"	"		
2,6-dinitrotoluene	ND	67		"	11		"	"
acenaphthene		67			n			
3-nitroaniline	ND				"	"		n
2,4-dinitrophenol	ND	130			,,	"	,	"
dibenzofuran	ND	67	**		"	"		
2,4-dinitrotoluene	ND	67			н			
4-nitrophenol	ND	130			,,			
fluorene	ND	67		"	"	"	,	
4-Chlorophenyl phenyl ether	ND	67	"					
Diethyl phthalate	ND	67	"					
4-nitroaniline	ND	67	"	"				
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"		
n-nitrosodiphenylamine	ND	67	"	"	"	"		
4-bromophenylphenylether	ND	67	"	"		"	"	"
hexachlorobenzene	ND	67	"	"	"	"	"	
pentachlorophenol	ND	130	"		"	"	. "	"
phenanthrene	ND	67	"	"	"		. 11	"
anthracene	ND	67	"	"	"		"	"
carbazole	ND	67	"	"	"	"	"	"
Di-n-butyl phthalate	ND	67	"	"	1*	"	"	"
benzidine	ND	330	**	"		"	"	"
fluoranthene	ND	67	"	"	"	"	н	"
pyrene	ND	67	"	"	"		"	"
3,3'-Dichlorobenzidine	ND	67	n	"	"	"	"	"
Butyl benzyl phthalate	ND	67	"	"	"	"	"	"
Benzo (a) anthracene	ND	67	"	"	"		"	"
chrysene	ND	67	"	"	"	10	н	"
bis(2-ethylhexyl)phthalate	ND	67	**	"	"	"	"	"
Di-n-octyl phthalate	ND	67		"	" "	п		"
Benzo (b) fluoranthene	ND	67		"	"	"	"	"
Benzo (k) fluoranthene	ND	67	"	"	"	"		"
Benzo (a) pyrene	ND	67	"	"		"		
Indeno (1,2,3-cd) pyrene	ND	67	"		"		n	
Dibenz (a,h) anthracene	ND	67	"	"	н			"
Benzo (g,h,i) perylene	ND	67	"	"	"	n	"	
(3), []								
2-Fluorophenol [surr]	53.9%	(40 - 103)		"	"	"		
	57 2%	(43 - 108)		"	"	"	"	"
	55.5%	(50 - 98)			"	"	"	
	56.5%	(49 - 98)			"		**	"
	61.2%	(52 - 112)		n		11	"	"
	69.0%	(43 - 108)		n			н	"
. c.p.nony, a [can]		(						

		y Parameters by							
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Note
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AL60427	12/04/06	12/04/06	EPA 9014	
% Solids	83.0	0.1	%		AK62906	11/28/06	11/29/06	% calculation	

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Results fo上例如7013-03RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

Search

Work Order

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 12/05/06 09:27

BF-Bldg10SW-112706 6K27013-03RE1 (Soil) Waste Stream Technology Inc.

Volatile Organic Compou Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
chloromethane	ND	10	ug/kg (dry)	1	AK63004	11/30/06	11/30/06	8260	
vinyl chloride	ND	10	"	"	"	"	**	"	
bromomethane	ND	10	11		"	"	"	"	
chloroethane	ND	10	11	"	"	н	"	"	
1,1-dichloroethene	ND	2	"	"		"	"	"	
_acetone	ND	10	"	11	"	11	"	"	
carbon disulfide	ND	2	"	"	"		"	11	
methylene chloride	ND	2	16	п			"	"	
trans-1,2-dichloroethene	ND	2		"		"	"	"	
1,1-dichloroethane	ND	2	11	"	"	"	"	11	
vinyl acetate	ND	10	"	19	"	"	"	"	
2-butanone	ND	10	"		"	"	"	"	
cis-1,2-dichloroethene	ND	2	"	11	"		"	10	
chloroform	ND	2	11	n	"		"	"	
1,1,1-trichloroethane	ND	2	п	**	"		"	11	
carbon tetrachloride	ND	2	n	**	"	"	"	"	
benzene	6	_ 2	"	"			"	**	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	
trichloroethene	ND	2	"	"		11	"		
1,2-dichloropropane	ND	2		"	19		"		
bromodichloromethane	ND	2	"	"	"	"			
4-Methyl-2-pentanone (MIBK)	ND	10	"	"	11	"	"	"	
cis-1,3-dichloropropene	ND	2	11	"	"	"		"	
toluene	12	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	"	"	
1,1,2-trichloroethane	ND	2	"	"	"	"	"		
2-hexanone	ND	10	"	11	"	"	"	"	
tetrachloroethene	ND	2	"	"	"			"	
dibromochloromethane	ND	2	"	"	11	11	"	"	
chlorobenzene	ND	2	"	"	"	n		"	
ethylbenzene	ND	2	"			n	п	"	
m,p-xylene	12	4		"	n	"	. "	"	
o-xylene	4	2	"	"	n	"	"	"	

Element DataSystem Web	Access							Page	2 of
styrene	ND	2	.,						
oromoform	ND	2	"		"			3 4 4	5.5
1,1,2,2-tetrachloroethane	ND	2	"	1.000				"	550
Dibromofluoromethane [surr]	96.7%	(70 - 130)		172752930					
1,2-Dichloroethane-d4 [surr]	95.3%	(69 - 132)							
Toluene-d8 [surr]	96 3%	(81 - 121)				"	nutre ruy	AND STATE	88)1
Bromofluorobenzene [surr]	97.7%	(83 - 121)		Project to se	п	. 880	ivies jamen	гээл Етитар Цэрхүрэг Рав	Seve Sept
2005 Promium, LLC All rights res	served	2708	EWSSI.	5 3				Top of	Page
				Wanto Su					

abholioagray

trans 12 denotosthene



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Results for 6K27013-04

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

WorkpOrder

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 12/05/06 09:28

11"- Above TAGM but below EASTERN US BKgd.

BF-Bldg10WW-112706 6K27013-04 (Soil) Waste Stream Technology Inc.

"2" - ABOVE EASTERN US BKgd

Metals by EPA 6000/7000 Series Methods

Analyte Result		Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis Notes
Mercury	0.059	0.014	mg/kg (dry)	1	AK62920	11/29/06	11/29/06	EPA 7471A
Silver	ND	2.50		5	AK62816	11/28/06		EPA 6010B
Aluminum	7550	12.5	<b>n</b> _ n	n		" CM		Arocios 1260
Arsenic	ND	8.50				"		
Barium	74.4	5.00		**	10.5	" "	ee " (rest)	Tetrachlactsmetzeryrobe.
Beryllium	ND	2.50		н	(0.00) - 88			Secarbinobinhethy son
Calcium	63900 2	12.5	"		"		"	"
Cadmium	ND	5.00	"	0,1500	hart all a	nds by En	o Compos	Semivotatila Urgani
Cobalt	5.87	5.00		e in U	"		· Ros	" of vise A
Chromium	11.3	5.00	in mainting	"	"	"		
Copper	27.0 4	5.00	"	"				enimplychemiloceoniVHM
iron	13100 1	41.5	101/2 "	CALL DAY	"	"		Ka Carturbe search C Sin
Magnesium	18700 2-	60.0		"			"	
Vanganese	339	5.00	н	**		· dv	11	· Instanting of the Control of the C
Nickel	14.4	5.00		"		. 0	11	and a control to the St. I
Lead	38.6	20.5		"	"			*
Antimony	ND	7.00	"	"	11		"	#
Selenium	ND	7.00		"				Declarate to more
Thallium	ND	5.00	"	"	"	- ' o		under the second second
/anadium	14.0	5.00	"	"			"	A looker dism.
Zinc	76.9 2		п	"				numeritain in later was
Potassium	1470	14.0		1	AK62817			on make and a linear 1901
3odium	154	45.0	n	"				in the property of the control of th

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Alpha-BHC	ND	4.00	ug/kg (dry)	10	AL60117	12/01/06	12/02/06	8081A/8082	Htp: S)al6
eta-BHC	ND	4 00	"	"082	"	"M			
Samma-BHC (Lindane)	ND	4.00	"	130"	"	. CM	"	lo"erigo:	
Delta-BHC	ND	4 00	"	87	"	C UNIT		ariezn'hoenelr	
leptachlor	ND	4 00		" 18	"	"MA	"		
Aldrin	ND	4.00		67"		"IM.	"	" anilin	

Heptachlor Epoxide	ND	4.00	"					,,	
Endosulfan I	ND	4 00	11	"		11	n		
Dieldrin	ND	4 00							
4,4'-DDE	ND	4.00	"						
Endrin	ND	4.00	rygo a r						
Endosulfan II	ND	4 00							Contraction.
4,4'-DDD	ND	4.00	"				00-810	10 10 10	STRUM
Endrin Aldehyde	ND	4.00		"	"	"	politice lett.	marily E	menone
Endosulfan Sulfate	ND	4.00		mile gas		"		has a new	
1,4'-DDT	ND	4.00		"	,,	"			
Endrin Ketone	ND	4.00		" " "	"	"	,,		100
Methoxychlor	ND	4.00		"	"	COOL IS			
Chlordane	ND	67.0		w test	и н		NAS	"	
Toxaphene	ND	83.0	"	11		25 .25			N-0
Aroclor 1016	ND	33.0	"	"					
Aroclor 1221	ND	33.0	,,		abonte	Medical	100000000	ATT.	I state to
Aroclor 1232	ND ND	33.0	(1.0)	· other	u Im	Johnson	R . Noos		elyland
Aroclor 1242	ND	33.0							
Aroclor 1248	ND	33.0		"					
Aroclor 1254	ND	33.0		"					1/10/10/20
Aroclor 1260	ND	33.0	n	"	. 25				mierra alfa
					- Contract		and the		4
Tetrachloro-meta-xylene	[surr] 95.1%	(61 - 140)			n 00 8				emine8
Decachlorobiphenyl [surr	122%	(56 - 136)		н	. 68.5		. 04		MINISTER .

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AL60116	12/01/06	12/04/06	8270	faque :
bis(2-chloroethyl)ether	ND	67	"	u u	"	"	12/04/00	0270	- 201
phenol	ND	130	"	11	. 0.08	"	DOTAL		sangely
2-chlorophenol	ND	130			. 004				monudi
1,3-dichlorobenzene	ND	67	"	"		"	1 1 47		- Analy
1,4-dichlorobenzene	ND	67		"	. 0.08				7.00
1,2-dichlorobenzene	ND	67			. 60 4	,,	"	"	
benzyl alcohol	ND	67			" (00)		0/4	"	
bis(2-chloroisopropyl)ether	ND	67			. 80.8		.dit	"	mahaili
2-methylphenol	ND	67			, 00.8	"	0.81		Vanaelu
hexachloroethane	ND	67	11	н	. 0.08		4 5 81	"	Snix
N-Nitrosodi-n-propylamine	ND	67			. 0.41		0.493	"	isasto9
3 & 4-methylphenol	ND	130			. 0.36		150	"	mulbol
nitrobenzene	ND	67	"	"			,,		
isophorone	ND	67	ATSOS JOS		B (# 8B)	es and PC	biolice 7 !	minglifae	
2-nitrophenol	ND	130	ilia . Engli	n (11)		Repull			novieny
2,4-dimethylphenol	ND	130	"					,	
Bis(2-chloroethoxy)methane	ND	67	•/ID) p		"	av.			
benzoic acid	ND	330		п		CI.	"		IS SIN
2,4-dichlorophenol	ND	130		n 1 1 1	"	OV.	. 000	bn 9 1145	1
1,2,4-trichlorobenzene	ND	67			"	OI.		,	
naphthalene	ND	67		60.8	"		,,		notice of
4-chloroaniline	ND	67	"	100 p		CIVII .			

hexachlorobutadiene	ND	67	"	"	н	"	"	11	
4-chloro-3-methylphenol	ND	130	"	"	n	"	"	"	
2-methylnaphthalene	ND	67	* abo	1.8 M A95	aya engler	11.189	De Most	lareduney	
hexachlorocyclopentadiene	ND	130	nonlife	0	Final grat	1000	n	" 931	
2,4,6-trichlorophenol	ND	130	п					"	
2,4,5-trichlorophenol		67		(vib" phon		**	G#	de floteft,	
2-chloronaphthalene		67	11	"		**	E."1		
2-nitroaniline	ND	67	11	11	n	"		"	
acenaphthylene	ND	67		11		"			
Dimethyl phthalate	ND	67		u u	"	"	"		
2,6-dinitrotoluene	ND	67		"	· ·		"		
	ND	67				"			
acenaphthene	ND	67				"	"		
3-nitroaniline		130				"	"		
2,4-dinitrophenol	ND		11	"		11	"		
dibenzofuran	ND	67							
2,4-dinitrotoluene	ND	67	"	11		н			
4-nitrophenol	ND	130		11	"				
fluorene	ND	67							
4-Chlorophenyl phenyl ether	ND	67						,	
Diethyl phthalate	ND	67	"	"				,	
4-nitroaniline	ND	67	"	"					
4,6-Dinitro-2-methylphenol	ND	130			"				
n-nitrosodiphenylamine	ND	67	"	"			"		
4-bromophenylphenylether	ND	67		"	"	"	"		
hexachlorobenzene	ND	67	"	"	"	"	"	"	
pentachlorophenol	ND	130	"	"	"	"	"	"	
phenanthrene	321	67	"	"		"	"	"	
anthracene	94	67	W	"	"	"	"	"	
carbazole	ND	67	"	"		"	"	11	
Di-n-butyl phthalate	ND	67	II .	u u	"	w	"		
benzidine	ND	330	w	"	"	11	"	"	
fluoranthene	390	67				"	"	"	
pyrene	341	67		n	"	**	"	11	
3,3'-Dichlorobenzidine	ND	67				н	"	"	
Butyl benzyl phthalate	ND	67				"	"	n	
Benzo (a) anthracene	205	67					"	u	
chrysene	174	67		н		"	"		
bis(2-ethylhexyl)phthalate	106	67			"	"	"	"	1
Di-n-octyl phthalate	ND	67		"		"	"	in .	
Benzo (b) fluoranthene	201	67	"	"	"	**			
Benzo (k) fluoranthene	ND	67	"			u	"	"	
Benzo (a) pyrene	161 (0,0	61) 67		"	"	"	"		
Indeno (1,2,3-cd) pyrene	101	67		**	**		"		
Dibenz (a,h) anthracene	ND	67			"	**	"		
	114	67	**	"	"		"	11	
Benzo (g,h,i) perylene	117	01							
2-Fluorophenol [surr]	59 2%	(40 - 103)	*	п	"	"			
	63.1%	(40 - 103)			11			п	
Phenol-d6 [surr]								n	
Nitrobenzene-d5 [surr]	58.1%	(50 - 98)		11	"	"		"	
2-Fluorobiphenyl [surr]	60.3%	(49 - 98)			,,			11	
2,4,6-Tribromophenol [surr]	67.3%	(52 - 112)			,,	,,			
Terphenyl-d14 [surr]	70.1%	(43 - 108)				770			

Conventional	Chemistr	y Parameters by	EPA Meth	ods					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AL60427	12/04/06	12/04/06	EPA 9014	
% Solids	79.3	0.1	%	"	AK62906	11/28/06	11/29/06	% calculation	

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MERCHING TO LONG GRAND TO CARRELL T

Results for \$K27013-04RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Work Order

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 12/05/06 09:28

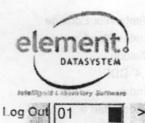
BF-Bldg10WW-112706 6K27013-04RE1 (Soil) Waste Stream Technology Inc.

Volatile Organic Compou Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
chloromethane	ND	10	ug/kg (dry)	1	AK63004	11/30/06	11/30/06	8260	
vinyl chloride	ND	10	п	"	"		11	"	
bromomethane	ND	10		"	"	"	"	11	
chloroethane	ND	10				"	"	"	
1,1-dichloroethene	ND	2	"	"		"		"	
acetone	ND	10	**		"	"	"	"	
carbon disulfide	ND	2	11	11	"		"	11	
methylene chloride	ND	2	"	"		"	"		
trans-1,2-dichloroethene	ND	2	"	**	"		11	"	
1,1-dichloroethane	ND	2		"	"		u	"	
vinyl acetate	ND	10	"	**		и	"	11	
2-butanone	ND	10	"	11	"	"	"		
cis-1,2-dichloroethene	ND	2	"	11	**	"	"	"	
chloroform	ND	2		11		"	"	"	
1,1,1-trichloroethane	ND	2	"	"	"	"	"	"	
carbon tetrachloride	ND	2	**	"	"		"	"	
benzene	6-	2	*	"			"		
1,2-dichloroethane	ND	2		"		"	"	11	
trichloroethene	ND	2	"	"		"	"	19	
1,2-dichloropropane	ND	2	"		. "	"	"	. "	
bromodichloromethane	ND	2		n	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	10		"			"	"	
cis-1,3-dichloropropene	ND	2	п	"		"	"	"	
toluene	12	2				"	"		
trans-1,3-dichloropropene	ND	2	"	"		"	11	"	
1,1,2-trichloroethane	ND	2		"		"		"	
2-hexanone	ND	10	"	"	"	"	"	"	
tetrachloroethene	ND	2		11	11		"	11	
dibromochloromethane	ND	2	"	11	"			"	
chlorobenzene	ND	2	"	11				"	
ethylbenzene	ND	2		"	п	n	"	"	
n,p-xylene	11	4	"	"		n		"	
o-xylene	3	2		"				"	

Element DataSystem Web	Access							Page	e 2 of
styrene	ND	2			n				
bromoform	ND	2						"	
1,1,2,2-tetrachloroethane	ND	2	"			"			
Dibromofluoromethane [surr]	96.0%	(70 - 130)	empe mis	, 0.50	,				
1,2-Dichloroethane-d4 [surr]	96.0%	(69 - 132)		" rio	1888"	и			
Toluene-d8 [surr]	96.7%	(81 - 121)		"			"	"	10230 524
Bromofluorobenzene [surr]	105%	(83 - 121)		"		. 863	Winds In the Party of the Party	H H	Men 98



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Results for \$ 27013-01

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

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Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 12/05/06 09:23

"- ABOUE TAGK but below EASTERN US BYGZ

ABOVE US EASTERN BKGZ

BF-Bldg10NW-112706 6K27013-01 (Soil) Waste Stream Technology Inc.

+ - ABONE TAGM

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis Notes
Mercury	0.780 *	(0.1) 0.014	mg/kg (dry)	1	AK62920	11/29/06	11/29/06	EPA 7471A
Silver	ND	2.50		5	AK62816	11/28/06		EPA 6010B
Aluminum	9370	12.5		"	"	. 01	"	" Das FreienA
Arsenic	ND	8 50	п				н	H .
Barium	84.0	5.00			(ON - 181	" 200	98 " 1110	Tuhngiloto-mora-xvicno.ls
Beryllium	ND	2.50		"	(88-158)	" 304.0		Deciclination and Environment
Calcium	54700 2	12.5				"	10	n
Cadmium	ND	5.00	11	o."coo				Tarana and Albania dia and
Cobalt	6.75	5.00		"	"			oning to ominios mo
Chromium	13.5 €	5.00	all negulio	"	"	todas inter		· OVERTIME
Copper	27.8	5.00	"	"		"		"
Iron	16000 1	41.5		(App! byto			"	enimalymeralbacoulid-V
Magnesium	16800 2-	60.0	u	"	, a	. ди	"	bis(2-chioroethy)gether
Manganese	428	5.00	u	"	081	п		n lonedd
Nickel	16.8 V			"	081	. 04		2-onlar aphanal
Lead	46.7	20.5		"	48 . 8 .	. CIVI	и	1,3 dichloropenuene
Antimony	ND	7.00	"	"	YO	. OW		f. 4-dicharphenugne
Selenium	ND	7 00	"	"		. GN	"	angmedoroldsib-2.1
Thallium	ND	5.00	"	"	20"	" GN	**	le lenoots lysnad
Vanadium	17.1	5 00	"				"	bis(2-chlarateoprapyi)ethan
Zinc	73.6 2		u ·	"	18,	. 04	"	2 methylphenol
Potassium	1430	14.0		1	AK62817	" GN	"	nexaction political
Sodium	206	45.0	"	"	- TE	· Cly	"	enthalyagen a borould v

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Alpha-BHC	ND	4 00	ug/kg (dry)	10	AL60117	12/01/06	12/01/06	8081A/8082	muteres.
Beta-BHC	ND	4 00	"	",55	n		11		
Gamma-BHC (Lindane)	ND	4.00		"	n	"	11	lo acidente	
Delta-BHC	ND	4.00	"	"a	"	-01	"	n n	
Heptachlor	ND	4 00		"-3			u	"	
Aldrin	ND	4 00	"	H.				"artifice	

Heptachlor Epoxide	ND	4 00	н	"				
Endosulfan I	ND	4.00	H 541	" significant	"		"	п
Dieldrin	ND	4 00	"				"	"
4,4'-DDE	ND	4 00	"	. 337		n		"
Endrin	ND	4.00	"	"	11	"	"	
Endosulfan II	ND	4.00	"		"			
4,4'-DDD	ND	4.00	11	и	10	"	"	"
Endrin Aldehyde	ND	4 00				n	" STATE	
Endosulfan Sulfate	ND	4 00		"		"		YV" als smiss
4,4'-DDT	ND	4.00		11				"
Endrin Ketone	ND	4.00		u .	0	н н	your Nish	"
Methoxychlor	ND	4.00	8) "1-21-1		"	n	· 559	9.
Chlordane	ND	67.0	m	E eseaW				
Toxaphene	ND	83.0	"	"	"	"	"	"
Aroclor 1016	ND	33.0	"	11	"	"		
Aroclor 1221	ND	33.0	11	"	ebeniek		00.000057	LEIGIN DY WEL
Aroclor 1232	ND	33.0		• estati	" dimit.	an moquet	Renult	H 03 151
Aroclor 1242	ND	33.0	п	"	н	"		
Aroclor 1248	ND	33.0	"	"ob palu	m • 5/00	н		• 900
Aroclor 1254	ND	33.0	11	11	. 088	"		u u
Aroclor 1260	ND	33.0	"	"	12.5."	"	. 02.29	* reporterul
Tetrachioro-meta-xylene [s	surr] 89.0%	(61 - 140)	H. Wa		• 00 B		n 0.63	u multi
Decachlorobiphenyl [surr]	104%	(56 - 136)		и	0		0	n regillers
, , , , , ,		,/						

# Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AL60116	12/01/06	12/01/06	8270	Copper
bis(2-chloroethyl)ether	ND	67	"	"	"	"		"	
phenol	ND	130		"					Unit Shin
2-chlorophenol	ND	130	**		н	n	"	"	III DO LAN
1,3-dichlorobenzene	ND	67	"		"	"		**	18010107
1,4-dichlorobenzene	ND	67		"	"	"	"	"	Dayses
1,2-dichlorobenzene	ND	67	"	"	"	"	"	"	Antimen
benzyl alcohol	ND	67		"	"	n	"	"	in the second
bis(2-chloroisopropyl)ether	ND	67	"	"	"			"	Table Spring
2-methylphenol	ND	67			п	n	"	н	IbaneV
hexachloroethane	ND	67	"	"	"	"	"	"	onio.
N-Nitrosodi-n-propylamine	ND	67		n	11	u ·	"		45 2104
3 & 4-methylphenol	ND	130	"		11	n	"	"	muteroa
nitrobenzene	ND	67		"	11		"	"	
isophorone	ND	67	Arec. sbo	1 AS	Yen all	of phe sa	biod, and	- Though the	H2810
2-nitrophenol	ND	130	HO . EDIT		n	ALLE OF			aylanA
2,4-dimethylphenol	ND	130			"			"	
Bis(2-chloroethoxy)methane	ND	67	(m)		"	94"	п		El-sydiA
benzoic acid	ND	330	n	"	**	CVI	"		vi else
2,4-dichlorophenol	ND	130			11	GI'n	n (9/1	and world	ommed
1,2,4-trichlorobenzene	ND	67	· n	0 =	"	н	11	n 06	
naphthalene	ND	67	"	n		ZIVI n	"		nostqsH
4-chloroaniline	ND	67	u	n A	"	014 •	10	"	nhbiA

hexachlorobutadiene	ND	67			"	"		
4-chloro-3-methylphenol	ND	130				"	"	11
2-methylnaphthalene	ND	67	" 59	EPA Metho	wil stole		Chemistry	lawcilnevro2
hexachlorocyclopentadiene	ND		Dilution	edinU	wimili gri	Repure	Time milt	n stylenA
2,4,6-trichlorophenol	ND	130						
2,4,5-trichlorophenol	ND		н	maker maker	н	"	O*1	Missol) abineyo
2-chloronaphthalene		67		"	W	"	8.58	" solids "
2-nitroaniline	ND	67			"	"		
acenaphthylene	ND	67				n		2 2005 Romanii 1
Dimethyl phthalate	ND	67	"		"	"	"	"
	ND	67	**	н		"	"	
2,6-dinitrotoluene		67	"	"		"	"	
acenaphthene	ND	67	"				"	11
3-nitroaniline	ND					,,		"
2,4-dinitrophenol	ND	130	n		u			,
dibenzofuran	ND	67						,
2,4-dinitrotoluene	ND	67						
4-nitrophenol	ND	130						
fluorene	ND	67	"	"				
4-Chlorophenyl phenyl ether	ND	-67	"	"	"	"		
Diethyl phthalate	ND	67	"	. "	"	"	"	"
4-nitroaniline	ND	67	"	"		"	"	"
4,6-Dinitro-2-methylphenol	ND	130	"	"	"	"		"
n-nitrosodiphenylamine	ND	67	"	"	"	"		"
4-bromophenylphenylether	ND	67	"		11	"		"
hexachlorobenzene	ND	67	"		"	"		"
pentachlorophenol	ND	130	**	"		"		"
phenanthrene	ND	67		11	"	"		n.
anthracene	ND	67		и	"	"	"	
carbazole	ND	67			11	"		"
Di-n-butyl phthalate	ND	67	"			"	"	"
benzidine	ND /	330	"	"				
fluoranthene	80	67	10	. 11	*	"		"
pyrene	ND _	67		11	"	"	"	"
3,3'-Dichlorobenzidine	ND	67		11	u	"		
Butyl benzyl phthalate	ND	67	**			н	"	
Benzo (a) anthracene	ND	67	w	**				н
chrysene	ND	67	**			"	"	"
bis(2-ethylhexyl)phthalate	ND	67		н		u		"
Di-n-octyl phthalate	ND	67					п	н
Benzo (b) fluoranthene	146/	67						"
Benzo (k) fluoranthene	ND	67	"		10	н		п
Benzo (a) pyrene	89	67				"	"	
Indeno (1,2,3-cd) pyrene	87	67	**			"	"	
Dibenz (a,h) anthracene	ND	67		"	"			,,
	113	67			"	"	n	
Benzo (g,h,i) perylene	113"	07						
2-Fluorophenol [surr]	50.4%	(40 - 103)				"	"	п
Phenol-d6 [surr]	54.0%	(43 - 108)			"		"	
Nitrobenzene-d5 [surr]	51.9%	(50 - 98)			"	**		"
	53 1%	(49 - 98)		"		.,		
2-Fluorobiphenyl [surr]				"	"			"
2,4,6-Tribromophenol [surr]	65.9%	(52 - 112)		"	"	"		"
Terphenyl-d14 [surr]	68.8%	(43 - 108)						

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AL60427	12/04/06	12/04/06	EPA 9014	
% Solids	82.8	0.1	%	"	AK62906	11/28/06	11/29/06	% calculation	no la friba d

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Search

Work Order

Log Gui 01RE1

Reported: 12/05/06 09:24

Results for 6K27013-01RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

BF-Bldg10NW-112706 6K27013-01RE1 (Soil) Waste Stream Technology Inc.

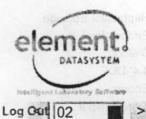
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
chloromethane	ND	10	ug/kg (dry)	1	AK63004	11/30/06	11/30/06	8260	
vinyl chloride	ND	10	"	"	"	"		"	
bromomethane	ND	10	"	"	"	11		"	
chloroethane	ND	10	"	11	"	"		"	
1,1-dichloroethene	ND	2	п	"		"	"	"	
acetone	15	/ 10	"	"	"	"	11	"	
carbon disulfide	ND	2		"	"	"		"	
methylene chloride	ND	2		"	. "		"	"	
trans-1,2-dichloroethene	ND	2	"	"	"	"	"	"	
1,1-dichloroethane	ND	2	"		"	"	- 11	"	
vinyl acetate	ND	10	n	n	. "	"	"	. "	
2-butanone	ND	10	"	"		"	n	"	
cis-1,2-dichloroethene	ND	2	"	"	"	"		"	
chloroform	ND	2	**	"	"	11	"		
1,1,1-trichloroethane	ND	2	"	11	"	"	"	"	
carbon tetrachloride	ND	2	"	п	"	n	"	"	
benzene	7	2	"		"	"	н	"	
1,2-dichloroethane	ND	2	"	"	"	"	"	"	
trichloroethene	ND	2	"	"	"	"	"	"	
1,2-dichloropropane	ND	2		"	"		."	"	
bromodichloromethane	ND	2		"	"	"	"	**	
4-Methyl-2-pentanone (MIBK)	ND	10	**	11	**	н	"	"	
cis-1,3-dichloropropene	ND	2	**	"	"	"	- 11	**	
toluene	30	2	п	"		"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	"	n	"	
1,1,2-trichloroethane	ND	2	"	"	п		"		
2-hexanone	ND	10	"	"	"		11	"	
tetrachloroethene	ND	2	"	"	"		"	"	
dibromochloromethane	ND	2		"	"		"	"	
chlorobenzene	ND	2	**	"	п	"	"		
ethylbenzene	55	2	"	11	"	п	"	**	
m,p-xylene	260	4		"		"	"	11	
o-xylene	160	2	19	"				11	

Element DataSystem Web					Pa	ge 2 of			
styrene	ND	2	"						1
bromoform	ND	2	"		11				3.83
1,1,2,2-tetrachloroethane	ND	2	"			"	"	"	and the
Dibromofluoromethane [surr]	97.7%	(70 - 130)	more		n				
1,2-Dichloroethane-d4 [surr]	95.7%	(69 - 132)		"					
Toluene-d8 [surr]	104%	(81 - 121)		"	"				
Bromofluorobenzene [surr]	397%	(83 - 121)			11				S-04

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Results for SK27013-02

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

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W###Order

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

12/05/06 09:24

Reported:

ABONE TAGM but below Bkgd GASTER.

BF-Bldg10EW-112706 6K27013-02 (Soil) Waste Stream Technology Inc.

US BKgd

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis Notes
Mercury	ND	0.014	mg/kg (dry)	1	AK62920	11/29/06	11/29/06	EPA 7471A
Silver	ND	2.50	n +	5	AK62816	11/28/06		EPA 6010B
Aluminum	8770	12.5	n	н	0E 8	• OM	"	<ul> <li>0381 adam*</li> </ul>
Arsenic	ND	8.50			"		"	
Barium	86.0	5.00	" "	"	(014-18)	" asa s	· (duž)	Tetrachicro-med-xylane
Beryllium	ND	2.50	"	"	(801 488)	# 38X3		Decemberough and Jaun
Calcium	66500 2		"	"	"	"		H .
Cadmium	ND	5.00	n		THE PART AS	Tit on show	osmb0 sl	Semivolatile Organ
Cobalt	7.93	5.00	B nottung	· ·	tenil met	ogen du	11	alylanA
Chromium		V 5.00		"		"	"	
Copper	17.8	5.00	"	"		"		"
Iron	17000	41.5			"		"	o in asivensom december
Magnesium	24000 2		"	11	"		**	bia(2-enloroethyt)etner
Manganese	446	5.00						· Janeilla
Nickel	20.1			"	"	"		* Touled dolombe?
Lead	ND	20.5		"				eneshedmol/scb-6,1
Antimony	ND	7.00		"				ensamedorphistory (
Selenium	ND	7.00		"		. GN		2-dichlorabenzene
Thallium	ND	5.00		"	n	. 00	. "	infloats typhed
Vanadium	16.2	5.00		п		" GN		HITE (MCCONTROLLE) OF DATE (MCCONTROLLE)
Zinc	59.4			"				" Ionana man-x
Potassium	1220	14.0	"	1	AK62817	- GM		antimorolio de la m
Sodium	183	45.0		"		, Ok		or standard bosons - n

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Alpha-BHC	ND	0 400	ug/kg (dry)	1	AL60117	12/01/06	12/01/06	8081A/8082	(5-4)ei8
Beta-BHC	ND	0.400	"	088	"	0"		" Dos	
Gamma-BHC (Lindane)	ND	0.400	"	180	"	O.	"	long/iggnot	
Delta-BHC	ND	0.400	"	"8		0"	"	hiprodenzene	
Heptachlor	ND	0.400	"	13	"		"	" oneli	
Aldrin	ND	0.400	п	49	н		"	"aniline"	

Heptachlor Epoxide									
Endosulfan I ND 0.400 " " " " " " " " " " " 4.4'-DDE ND 0.400 " " " " " " " " " " " " " " " " " "	Heptachlor Epoxide	ND	0.400	,					
Dieldrin ND 0.400 " " " " " " " " " 4.4'-DDE ND 0.400 " " " " " " " " " " " " " " " " " "				11	н	11		11	n
4,4'-DDE       ND       0 400       " " " " " " " " " " " " " " " " " " "	Dieldrin								
Endrin ND 0.400 " " " " " " " " " 4.4'-DDD ND 0.400 " " " " " " " " " " " " " " " " " "	4,4'-DDE			"	n 8.31	"	п		
Endosulfan II ND 0.400 " " " " " " " " " " " " " " " " " "	Endrin		0.400						
4,4'-DDD       ND       0.400       """"""""""""""""""""""""""""""""""""	Endosulfan II				11	"	"		"
Endrin Aldehyde ND 0 400 " " " " " " " " " " 4,4'-DDT ND 0.400 " " " " " " " " " " " " " " " " " "	4,4'-DDD				"		"	70-11-11-11-1	That cluster
Endosulfan Sulfate ND 0.400 " " " " " " " " " 4,4'-DDT ND 0.400 " " " " " " " " " " " " " " " " " "					"	11	. 250		cy, illigations
4,4'-DDT       ND       0.400       "       <				dell'					
Endrin Ketone ND 0.400 " " " " " " " " " " " " " " " " " "	4,4'-DDT		0.400		11				
Methoxychlor         ND         0.400         "	Endrin Ketone	ND		"					
Chlordane ND 6.70 " " " " " " " " " " " " " " " " " " "	Methoxychlor	ND			"	п		" Les Paris	
Toxaphene ND 8.30 " " " " " " " " " " " " " " " " " " "	Chlordane	ND	6.70		2 M 25 M				
Aroclor 1221 ND 3.30 " " " " " " " " " " " " " " " " " " "	Toxaphene	ND		"	"			"	
Aroclor 1232 ND 3.30 " " " " " " " " " " " " " " " " " " "	Aroclor 1016	ND	3.30	**			**	**	
Aroclor 1242 ND 3.30 " " " " " " " " " " " " " " " " " " "	Aroclor 1221	ND	3.30		"	Methods	8.00	DWODOS A	strayed at a big
Aroclor 1242       ND       3.30       "	Aroclor 1232	ND	3.30	not build	0 11	" stmt."	"hogsa	"disape	· 17v.sp.o.
Aroclor 1254 ND 3.30 " " " " " " " " " " " " " " " " " " "	Aroclor 1242	ND	3.30	"	"				
Aroclor 1260 ND 3.30 " " " " " " " " " " " " " " " " " " "	Aroclor 1248	ND	3.30		"	0014 "mon	"		
Aroclor 1260 ND 3.30 " " " " " " " " " " " " " " " " " " "	Aroclor 1254	ND	3.30	"a		" de e		n	
	Aroclor 1260	ND	3.30		" "	12.5 "	"	"0170	
	Tetrachloro-meta-xylene [sur	7] 97.6%	(61 - 140)		"	* 00 a	n		
					и -				

Semivolatile Organic Compounds by EPA Method 8270C

Semivolatile Organic Con Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AL60116	12/01/06	12/01/06	8270	Соврет
bis(2-chloroethyl)ether	ND	67	"	"		"	C. C.	11	COL
phenol	ND	130	"	"		"	(#)(Ca.C.)		North Carl
2-chlorophenol	ND	130	"	"		"			is the restriction
1,3-dichlorobenzene	ND	67	"	*	n	"	. 02	"	Municipal.
1,4-dichlorobenzene	ND	67		"	. 08	"	"	н	1,000
1,2-dichlorobenzene	ND	67		"		11	"		io ImA
benzyl alcohol	ND	67	"	"	,00 X	n			ulrous 2
bis(2-chloroisopropyl)ether	ND	67	"	"	, O. C.	"	"		a llent
2-methylphenol	ND	67	"	н		17		и 1111	pansV
hexachloroethane	ND	67	**	u	.0.05				- 113
N-Nitrosodi-n-propylamine	ND	67	11	11	"0 34	п		. 1910	POLICE
3 & 4-methylphenol	ND	130		"			"	"	Sodlun
nitrobenzene	ND	67	**	"	"		"	"	
isophorone	ND	67	ADSON sho		u u u u u u	9 bos sol	e Poetlald	1130 4 23	11,510
2-nitrophenol	ND	130	n affin.		almon sel	line.	"		Anelyfe
2,4-dimethylphenol	ND	130							
Bis(2-chloroethoxy)methane	ND	67	(4.5)			(III *	. "	п	
benzoic acid	ND	330		"	"	EAR W	**	ш	IR HAR
2,4-dichlorophenol	ND	130	"	11	"	CV "			Samuel
1,2,4-trichlorobenzene	ND	67	"	11	"	(1) H	"		
naphthalene	ND	67	n	(1) (1)	п		n		natonia
4-chloroaniline	ND	67				F12.0		"	onhio

hexachlorobutadiene	ND	67		"			"	п	
4-chloro-3-methylphenol	ND	130	"	u.	"	н	"	11	
2-methylnaphthalene	ND	67	e abo	PA Hellin	3 ye. 316	19mm189	one manc	STIOLIS	
	ND	130	DHUMBER	- white	0 111	gaitheriasi	th mas 9		
2,4,6-trichlorophenol	ND	130					п	н	
2,4,5-trichlorophenol		67		Will offe	m	"	0.4	(1)	
2-chloronaphthalene		67				"	2.07	n	
2-nitroaniline	ND	67	**		"	"	"		
acenaphthylene	ND	67	"	"	"	"		II diameter	
Dimethyl phthalate	ND	67	u	"		"	"		
2,6-dinitrotoluene	ND	67		"	"	"		"	
acenaphthene	ND	67	**	"	"	"	"	"	
3-nitroaniline	ND	67	**	"	"	11	11	11	
2,4-dinitrophenol	ND	130			"		"		
dibenzofuran	ND	67	н	н	w				
2,4-dinitrotoluene	ND	67	"	"	11			"	
4-nitrophenol	ND	130	11	"	"		"		
fluorene	ND	67		"		"	"	"	
4-Chlorophenyl phenyl ether	ND	67		"	н	"	"	"	
Diethyl phthalate	ND	67	,	"	"				
4-nitroaniline	ND	67	"		"			"	
4,6-Dinitro-2-methylphenol	ND	130	"		"				
n-nitrosodiphenylamine	ND	67	"		11			"	
4-bromophenylphenylether	ND	67			п			"	
hexachlorobenzene	ND	67		"	"	"		"	
pentachlorophenol	ND	130		"	"	"	"	"	
phenanthrene	ND	67	**		"			"	
anthracene	ND	67		"	"				
carbazole	ND	67	"		"		"		
Di-n-butyl phthalate	ND	67			"		"	"	
benzidine	ND	330			п			п	
fluoranthene	ND	67	"	"	"		11	"	
pyrene	ND	67		"	"	и			
3,3'-Dichlorobenzidine	ND	67	11		"	11	н	"	
Butyl benzyl phthalate	ND	67	н		"			"	
Benzo (a) anthracene	ND	67	"				"	"	
chrysene	ND	67	"	"	11	"	11	"	
bis(2-ethylhexyl)phthalate	93	67		"	н	"	11	"	В
Di-n-octyl phthalate	ND	67	**	"	п	"	u		
Benzo (b) fluoranthene	ND	67			"	"		"	
Benzo (k) fluoranthene	ND	67	**	"	"	"			
Benzo (a) pyrene	ND	67	"	"	"	"	"		
Indeno (1,2,3-cd) pyrene	ND	67	**	"	"	"		"	
Dibenz (a,h) anthracene	ND	67	**	"	"	"	"		
Benzo (g,h,i) perylene	ND	67	"		"		"		
2-Fluorophenol [surr]	52.0%	(40 - 103)		"	"	"	"	u	
Phenol-d6 [surr]	56.9%	(43 - 108)		"			"	"	
Nitrobenzene-d5 [surr]	54.9%	(50 - 98)		"	"	п	"	"	
2-Fluorobiphenyl [surr]	56.3%	(49 - 98)		"	п	"			
2,4,6-Tribromophenol [surr]	65.5%	(52 - 112)		"	"	"			
Terphenyl-d14 [surr]	69.0%	(43 - 108)		"		"			
neon forces and for the hole for the state of the state o		,							

<b>Conventional Chemistry Parameter</b>	s by FPA Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AL60427	12/04/06	12/04/06	EPA 9014	m 45.5
% Solids	79.2	0.1	%	"	AK62906	11/28/06	11/29/06	% calculation	

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Results for 95/27013-02RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Work Order

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 12/05/06 09:24

BF-Bldg10EW-112706 6K27013-02RE1 (Soil) Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
chloromethane	ND	10	ug/kg (dry)	1	AK63004	11/30/06	11/30/06	8260	
vinyl chloride	ND	10	п		"	"	"	"	
bromomethane	ND	10		"	"	"	"	"	
chloroethane	ND	10	11	п	"	"	"	"	
1,1-dichloroethene	ND	2	**	п	"	"	"	"	
acetone	ND	10		"	"	"	"	"	
carbon disulfide	ND	2		"	"	"	"	"	
methylene chloride	ND	2		"	"		"	"	
trans-1,2-dichloroethene	ND	2		н	"	"	"	"	
1,1-dichloroethane	ND	2	"	· II	"	n	"	"	
vinyl acetate	ND	10	n			"			
2-butanone	ND	10		"	"	II .	"		
cis-1,2-dichloroethene	ND	2		"	"	"	"	"	
chloroform	ND	2		"	"	17	"	"	
1,1,1-trichloroethane	ND	2	"	"	"	"	"		
carbon tetrachloride	ND	2		"	"	"	"	"	
benzene	7	2	"	"	"		"	**	
1,2-dichloroethane	ND	2		"		"	"	"	
trichloroethene	ND	2		n	"		"	"	
1,2-dichloropropane	ND	2		"	"	"	"		
bromodichloromethane	ND	2	"	"	"	n	"	n	
4-Methyl-2-pentanone (MIBK)	ND	10	"	"		"	"	**	
cis-1,3-dichloropropene	ND	2	"	"	"	"	"	"	
toluene	15	2	"	"	n	"	"	"	
trans-1,3-dichloropropene	ND	2	"	"	"	.,	"	"	
1,1,2-trichloroethane	ND	2	"	n	"	"	"	"	
2-hexanone	ND	10		и		"	"	"	
tetrachloroethene	ND	2	"	"	"	"	"	"	
dibromochloromethane	ND	2	п	"			п	"	
chlorobenzene	ND	2	"	"	u	"		"	
ethylbenzene	ND	2	n	"	"		н	"	
m,p-xylene	15	4	11	"	11	"	н	"	
o-xylene	4	2	."		"		"	"	

Element DataSystem Web	Access				Page 2 of				
styrene	ND	2							
bromoform	ND	2	"		**	"			35
1,1,2,2-tetrachloroethane	ND	2				-		"	620
Dibromofluoromethane [surr]	88.3%	(70 - 130)	1502 m-1	1 - 2 7 a 1 2 m		u			253
1,2-Dichloroethane-d4 [surr]	92.0%	(69 - 132)			п п	11			
Toluene-d8 [surr]	96.7%	(81 - 121)		"	"	11			
Bromofluorobenzene [surr]	105%	(83 - 121)					ziec jang		100

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Top of Page

http://66.202.77.222/aliantragulta agg 2-agg 1-02DE1



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Results for 6x27013-05

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302

Search

WellpOrder

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 12/05/06 09:28

ABOUT TAEM but below EASTERN US BEQL ARENE US EASTOPA BKgd

BF-Bldg10BTM-112706 6K27013-05 (Soil) Waste Stream Technology Inc.

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis Notes
Mercury	0.024	0.014	mg/kg (dry)	1	AK62920	11/29/06	11/29/06	EPA 7471A
Silver	ND	2.50	n 16	5	AK62915	" ON	"	EPA 6010B
Aluminum	8220	12.5	0 H	11	08.8	" (1)	"	Arodorizao "
Arsenic	ND	8.50			"	"		
Barium	84.1	5.00	п	"	(61 - TAD)	" 985	8 "VIIII	Telmchlore-mell-weens t
Beryllium	ND	2.50	n	11	(86° - 68)			Intel lungdoldrichtenste
Calcium	61500 7	12.5	"	11	"	"		
Cadmium	ND	5.00	n	notes.	bortis N.A.	anda by Es		les and all all and made
Cobalt	7.64	5.00			"	"		Semivolanie Organi
Chromium	12.9		nohelio.	Minite	Palair Bult	noger dive	"	" BIVISON
Copper	15.6	5.00	"	n	"	"	"	
Iron	16300	41.5		CALE !! SAID		" QV	u	entwert Trentiposonik N
Magnesium	23100 2	60.0	u	"				bla(2-chloroeth), eshin -
Manganese	437	5.00	u	н	081.	" CN		pheno.
Nickel	18.1	5.00	n	"	061,	. 0//		2-chieuphenol
Lead	ND	20.5		"		. GV		enstandarolita b-£,1
Antimony	ND	7.00		11		. 01		en-mellocolitato A.f.
Selenium	ND	7.00		"	10 .	. 9/		1,2-dictioned and
Thallium	ND	5.00		"		. 011	"	. lorlouis lyshed
Vanadium	16.3	5.00	"	"				bis(2-chloroiseppopyl) effne
Zinc	62.5 2	20.0				. GM		2-methylphenol.
Potassium	1360	14.0		1	AK62916	· OV		haxachloroethage
Sodium	188	45.0	"	"		. gr		N-Nitrosodi-n-propylamine

Organochlorine Pesticides and PCBs by EPA Methods 8081A /8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Alpha-BHC	ND	0.400	ug/kg (dry)	1	AL60117	12/01/06	12/02/06	8081A/8082	Zell milling Facel 2-ct
Beta-BHC	ND	0.400	"	d'as	"	a.t	"	"	
Gamma-BHC (Lindane)	ND	0.400	"	d'ar	"	0/1	"		
Delta-BHC	ND	0.400				- 1			
Heptachlor	ND	0.400		"	"	O.	"		
Aldrin	ND	0.400	"		"	o.	"	- Industry	

Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr]	82.8% 83.8%	(61 - 140) (56 - 136)		"	" 00 i	"	" CIM		ulveti evio
Aroclor 1260	ND	3.30	"	"	3.5.	"	03.53	" mun	imulik mulik
Aroclor 1254	ND	3.30	"8	"	" (08.	"	" GH	"	1-1-3
Aroclor 1248	ND	3.30		"n 10	Ngm" \$10	0 "	" A80.0	"	JETE L
Aroclor 1242	ND	3.30			"			"	
roclor 1232	ND	3.30	nomelic	o alies	" Hay	Reporting L	" Duaga		quinA
Aroclor 1221	ND	3.30	11.	"	spellis	W Sales (	00 10000	H VC	
roclor 1016	ND	3.30	"	"	"	"	"	"	
oxaphene	ND	8.30	11	н		11	"	"	
Chlordane	ND	6.70	mired mass	UE MINEW	"	i i	"	"	
Methoxychlor	ND	0.400	Elaberoto	9.9"	**	5000		. "	
Indrin Ketone	ND	0.400	Kin'i Belevi	N S S S S S S S S S S S S S S S S S S S	"	1 de 1	a	"	
,4'-DDT	ND	0.400	"		"	"		н	
ndosulfan Sulfate	ND	0.400	ile lieu		m9 "	"	. 6116		
Endrin Aldehyde	ND	0.400	"	"		" 25	Division Statement		
4,4'-DDD	ND	0.400	"	"	"	n	"	"	
ndosulfan II	ND	0.400	"	"	11000	"			
indrin	ND	0.400							
4,4'-DDE	ND	0.400		N. W.B.B.F			. H		
Dieldrin	ND	0.400	"	a de an	"		11		
indosulfan I	ND	0.400	11	"		"			
eptachlor Epoxide	ND	0.400		11	и	State of the state of	н	.11	

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AL60116	12/01/06	12/04/06	8270	Contest
bis(2-chloroethyl)ether	ND	67	"	"	"	"		11	
phenol	ND	130		п	"	"			
2-chlorophenol	ND	130			"	"	"		(Information
1,3-dichlorobenzene	ND	67		n	"	"		"	18960191
1,4-dichlorobenzene	ND	67		п	"	н			0890
1,2-dichlorobenzene	ND	67	"	"		"	"	"	nomilnA
benzyl alcohol	ND	67				"	11	"	Dimense .
bis(2-chloroisopropyl)ether	ND	67			"	u	"	11	Delining 17
2-methylphenol	ND	67	"	"	"	"	"		liberalv
hexachloroethane	ND	67				"	"	"	20012
N-Nitrosodi-n-propylamine	ND	67		"		"	"		POTESTE
3 & 4-methylphenol	ND	130				"	-	11	mulbos
nitrobenzene	ND	67		"	"	"	"		
isophorone	ND	67	AT BULL EBOI	п	d Volume BO	B DING CO	31311.00	1110 H 30	BETO
2-nitrophenol	ND	130	RO wasted	0	nince on	fluar#T		n	Amelyte
2,4-dimethylphenol	ND	130					н.	и	
Bis(2-chloroethoxy)methane	ND	67	((*)		"	OV "	"		
benzoic acid	ND	330	"	11-15	"	COM "	"	. 0	RE-stable
2,4-dichlorophenol	ND	130			"	0/4 "	11		Garania
1,2,4-trichlorobenzene	ND	67	u u	0.40	"	ICM "	"	," ()	
naphthalene	ND	67			"	OV.	"	n 10	Hepplace
4-chloroaniline	ND	67		0.440	"	BM.	"		noblA.

nexachlorobutadiene	ND	67	"			"	- 11	
4-chloro-3-methylphenol	ND	130	"	"	"	"	"	
2-methylnaphthalene	ND	67	m 861	EPA Metho	. 579	Paramet	Cheren stoy	derectinevno?
hexachlorocyclopentadiene	ND	130	noitulio	e (int)	0	Repeding	1000	· et/lan/
2,4,6-trichlorophenol	ND	130					n	
	ND	67		vile palenn			"	Major shiney
	ND	67	n			"	p " 7	· ablock
2-nitroaniline	ND	67				"		"
acenaphthylene	ND	67	"	н	п			
Dimethyl phthalate	ND	67			"	"	"	The manufacture of the Party of
2,6-dinitrotoluene	ND	67			"			
acenaphthene	ND	67	"			"	"	
3-nitroaniline	ND	67	"		11	"		
2,4-dinitrophenol	ND	130	"					11
dibenzofuran	ND	67	"		n	"		
2,4-dinitrotoluene	ND	67				38		"
4-nitrophenol	ND	130	"	**	н			"
fluorene	ND	67	"		"	"	"	
4-Chlorophenyl phenyl ether	ND	67	"			"		
Diethyl phthalate	ND	67	"					
4-nitroaniline	ND	67	"				"	
	ND				u	,,		
4,6-Dinitro-2-methylphenol n-nitrosodiphenylamine	ND	130 67						"
	ND	67			,			
4-bromophenylphenylether hexachlorobenzene	ND	67	,,		"	,,		
pentachlorophenol	ND	130	"					
phenanthrene	ND	67	11		н			
_anthracene	ND	67			"			
carbazole	ND	67		,,	,,			
Di-n-butyl phthalate	ND	67				,,		
_benzidine	ND	330	11		"	,,		
fluoranthene	ND	67	,			,,	н	
pyrene	ND	67	**	,		,,	"	
3,3'-Dichlorobenzidine	ND	67	w				н	
Butyl benzyl phthalate	ND	67						"
Benzo (a) anthracene	ND	67				,,		
chrysene	ND	67		,		u		
bis(2-ethylhexyl)phthalate	ND	67	11		"			
Di-n-octyl phthalate	ND	67	,			n	"	
Benzo (b) fluoranthene	ND	67	"	"			"	
Benzo (k) fluoranthene	ND	67						
Benzo (a) pyrene	ND	67	"		11		"	
Indeno (1,2,3-cd) pyrene	ND	67				"	"	11
Dibenz (a,h) anthracene	ND	67	*		н	"	"	
Benzo (g,h,i) perylene	ND	67	"		"		"	
	NO	07						
2-Fluorophenol [surr]	56.8%	(40 - 103)		"	"			u .
Phenol-d6 [surr]	59.7%	(43 - 108)		"	"	"	"	"
Nitrobenzene-d5 [surr]	58.5%	(50 - 98)		н	"	и		
2-Fluorobiphenyl [surr]	58 5%	(49 - 98)		"	"	"	"	"
2,4,6-Tribromophenol [surr]	65.7%	(52 - 112)		и	10	"	"	
Terphenyl-d14 [surr]	67.1%	(43 - 108)		"	n	"	"	11

Conventional	Chemistr	y Parameters by	EPA Meth	ods					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AL60427	12/04/06	12/04/06	EPA 9014	2.4.5-irly
% Solids	79.9	0.1	%	"	AK63011	11/29/06	11/30/06	% calculation	mal to-9

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Results fo上多数型7013-05RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Work Order

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 12/05/06 09:28

BF-Bldg10BTM-112706 6K27013-05RE1 (Soil) Waste Stream Technology Inc.

# Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
chloromethane	ND	10	ug/kg (dry)	1	AK63004	11/30/06	11/30/06	8260	
vinyl chloride	ND	10	п		"	"	"	н	
bromomethane	ND	10	"	"	"	"	"	17	
chloroethane	ND	10		п	"	"	"	"	
1,1-dichloroethene	ND	2	"	n	"	"	"	н	
acetone	ND	10	"	"	"	n	"	11	
carbon disulfide	ND	2		"	"	"		"	
methylene chloride	ND	2	"	11	"	"	"	"	
trans-1,2-dichloroethene	ND	2	"	"	"		"	"	
1,1-dichloroethane	ND	2	11	"	"	"	11	"	
vinyl acetate	ND	10		"		"	"	"	
2-butanone	ND	10	"	"	"	"	"	"	
cis-1,2-dichloroethene	ND	2			"	"	11	10	
chloroform	ND	2		"	"	"	"	"	
1,1,1-trichloroethane	ND	2		"	"		n	"	
carbon tetrachloride	ND	2	"	"	"	"	"		
benzene	6	2	"	u u	"	n	11	"	
1,2-dichloroethane	ND	2		"	*	"		"	
trichloroethene	ND	2		"	"	"	"	"	
1,2-dichloropropane	ND	2	"		. "	"		11	
bromodichloromethane	ND	2	n	u u	"	"	"	"	
4-Methyl-2-pentanone (MIBK)	ND	10			"	"	"	"	
cis-1,3-dichloropropene	ND	2		"	"	"	"	"	
toluene	12	2	"	"	"	"	"	"	
trans-1,3-dichloropropene	ND	2	"	11	"	n	"	"	
1,1,2-trichloroethane	ND	2			"	"			
2-hexanone	ND	10			"	"		"	
tetrachloroethene	ND	2	"	"	"		п	"	
dibromochloromethane	ND	2	n	"	"	"			
chlorobenzene	ND	2	"	"	"		10		
ethylbenzene	ND	2	"	"	"	"		11	
m,p-xylene	12	4		"	"				
o-xylene	4	2	"	"		"	"	n	

lement DataSystem Web A	Access							Page	2 of
tyrene	ND	2	"	,	н				- 1
romoform	ND	2	"	"		"			
,1,2,2-tetrachloroethane	ND	2	.11		"	"			
Dibromofluoromethane [surr]	97.7%	(70 - 130)	mix me					"	
,2-Dichloroethane-d4 [surr]	97.3%	(69 - 132)		"	"		oon " san		
Toluene-d8 [surr]	94.0%	(81 - 121)		- 11	"	"	"		
Bromofluorobenzene [surr]	96.0%	(83 - 121)		Tu l'Insign	H.			mongrados.	
2005 Promium, LLC All rights res	served.							Top of	Page
				9-19 1-5/48 1-6 otge:#0					-



302 Grote St Buffalo, NY 14207 Ph:716 876.5290 Fx:716.876.2412 www.wastestream.com



Log Ckit 06

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Reported: 12/05/06 09:29

### Results fo上6长27013-06

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

WelsoOrder

BF-Bldg10SP-112706 6K27013-06 (Soil) Waste Stream Technology Inc.

TOI	D	Matala	ha	6000/7000	Carina	Mathada
	-	WIELDIS	DV	DUUUI I UUU	Selles	MEHIOOS

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Mercury	ND	0.001	mg/L	1	AL60103	12/01/06	12/01/06	EPA 7470A-TCLP	myzomet/
Silver	ND	0.025	"	5	AK63019	11/30/06	11/30/06	6010B	
Arsenic	ND	0.045	"	"		"		"	
Barium	0.487	0.025	"	n	н	"	"	· ·	
Cadmium	ND	0.025	"	11	" (80		are the	一门时间由阿拉克斯的	
Chromium	ND	0.025	"		. 108	r + 64) "		(on ") Manual	
Lead	ND	0.075	"			"	н	"	
Selenium	ND	0.095	. 0		bor sid	A99 W Eb	e Compour	miyolatilə Organ	

# Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Aroclor 1016	ND	3.30	ug/kg (dry)	1	AK62923	11/29/06	11/30/06	8082	rio Isla I
Aroclor 1221	ND	3.30	"		"	"	"	Company and to	
Aroclor 1232	ND	3.30		"	п	UN W	"		
Aroclor 1242	ND	3.30			"	CIVA	. 9	ng iba judpio	
Aroclor 1248	ND	3.30		01,	"	ON "		una ricantoire	
Aroclor 1254	ND	3.30		"	"	GN.		meda, no de	
Aroclor 1260	ND	3.30		8	"	GU .		rotol: "ene erobencene	
Tetrachloro-meta-xylene [surr]	92.1%	(61 - 140)		8),		GM		lons agonol	contest
Decachlorobiphenyl [surr]	83 7%	(56 - 136)			"	"		"	

## TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
vinyl chloride	ND	10	ug/l	1	AL60402	12/04/06	12/04/06	8260-TCLP	terrice
1,1-dichloroethene	ND	10	"	"	"	"	н	"	
2-butanone	ND	100	"	about st					
chloroform	ND	10	"	"	п	a de la		ano minona	
carbon tetrachloride	ND	10	"	abita inc	"		oder "	n .	
benzene	ND	10	n	"	"	"	"		
1,2-dichloroethane	ND	- 10	"	11	elinin Ha	OLO.	"	188 .	

Element DataSystem Web	Access							Pag	e 2 of
trichloroethene	ND	10			н		"		
tetrachloroethene	ND	10	n		"		n .		
chlorobenzene	ND	10	**	. 618	"	"	"		
1,4-dichlorobenzene	ND	10	· ·		•		2 7 7 7		
Dibromofluoromethane [surr]	103%	(75 - 125)		"	"No" soa		50.5	UNIU 9-181 s	
1,2-Dichloroethane-d4 [surr]	106%	(66 - 128)		"	"	"		Instruction I of	
Toluene-d8 [surr]	97.7%	(81 - 118)			Project	"	"	book Foeth	
Bromofluorobenzene [surr]	96.0%	(85 - 123)		test " -115/A	pajo.			Calle, NY 1830	
TCLP Pesticides by EPA			(1-98) Name	tude la					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Gamma-BHC (Lindane)	ND	0.040	-	1	AL60118	12/01/06	12/01/06	EPA 8081A	
Heptachlor	ND	0.040		"	ebods	elde Me	0007000	is vid blately	
Heptachlor Epoxide	ND	0.040		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	de dinu	timul mate	Repo	luesti I	
Endrin	ND	0.040		"	"				
Methoxychlor	ND	0.040				1000			
Chlordane	ND	0.800				0.025		зи "	
	ND	0.040				0.045		West	5.0 JS1
Foxaphene									
	90.5%	(55 - 135)		"	11		"	TORIO II	
Toxaphene  Tetrachloro-meta-xylene [surr]  Decachlorobiphenyl [surr]  TCLP Semivolatile Organ	72.5% nic Compou	(58 - 130)	ethod	" I 1311/82		0.025		347	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ	72.5% nic Compoui Result Re	(58 - 130) nds by EPA Meporting Limit U	ethod	1 1311/82 Dilution	270C Batch	" Prepared	Analyzed	Analysis	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine	72.5% nic Compour Result Re	(58 - 130)  nds by EPA Meporting Limit U	ethod	1 1311/82 Dilution		0.025		347	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene	72.5% nic Compour Result Re	(58 - 130)  nds by EPA M eporting Limit U	lethod	1 1311/82 Dilution	270C Batch	" Prepared	Analyzed 12/01/06	Analysis	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p)	72.5%  nic Compour Result Re  ND  ND  ND  ND	(58 - 130)  Inds by EPA Meporting Limit U	lethod	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06	Analyzed 12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane	72.5%  nic Compour Result Re  ND  ND  ND  ND  ND	(58 - 130)  nds by EPA M eporting Limit U  8   8   24   8	lethod inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06	Analyzed 12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene	72.5%  nic Compour Result Re  ND ND ND ND ND ND ND ND	(58 - 130)  Inds by EPA M Eporting Limit U  8  8  24  8  8	lethod inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 """"	Analyzed 12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene hexachlorobutadiene	72.5%  nic Compour Result Ro  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	(58 - 130)  Inds by EPA M Eporting Limit U  8  8  24  8  8  8	lethod inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene hexachlorobutadiene 2,4,6-trichlorophenol	72.5%  nic Compour Result Re  ND ND ND ND ND ND ND ND	(58 - 130)  Inds by EPA M Eporting Limit U  8  8  24  8  8	lethod	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 """"""""""""""""""""""""""""""""""""	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene hexachlorobutadiene 2,4,6-trichlorophenol 2,4,5-trichlorophenol	72.5%  nic Compour Result Ro  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	(58 - 130)  Inds by EPA Meporting Limit U  8   1   8   8   8   8   8   8   8   8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  """  """  """	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  pyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene hexachlorobutadiene 2,4,6-trichlorophenol 2,4,5-trichlorophenol 2,4-dinitrotoluene	72.5%  nic Compour Result Re  ND	(58 - 130)  nds by EPA M eporting Limit U  8 24 8 8 8 16 8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) Decachloroethane Ditrobenzene Decachlorobutadiene 2,4,6-trichlorophenol 2,4,5-trichlorophenol 2,4-dinitrotoluene Decachlorobenzene	72.5%  nic Compour Result Ro  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	(58 - 130)  Inds by EPA M Eporting Limit U  8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	lethod inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  """  """  """  """  """  """	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) nexachloroethane nitrobenzene nexachlorobutadiene 2,4,6-trichlorophenol 2,4,5-trichlorophenol 2,4-dinitrotoluene nexachlorobenzene nexachlorobenzene	72.5%  nic Compour Result Ro  ND  ND  ND  ND  ND  ND  ND  ND  ND  N	(58 - 130)  Inds by EPA M Eporting Limit U  8 8 8 8 8 8 16 8 8 8 8 8 8 8 8 8 8 8 8 8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  """  """  """  """  """  """  """	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) Dexachloroethane Ditrobenzene Dexachlorobutadiene 2,4,6-trichlorophenol 2,4-dinitrotoluene Dexachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorophenol Deca	72.5%  nic Compour Result Ro  ND	(58 - 130)  Inds by EPA M Eporting Limit U   8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 " " " " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Note
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) Decachloroethane Ditrobenzene Decachlorobutadiene 2,4,6-trichlorophenol 2,4-dinitrotoluene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorophenol Decach	72.5%  nic Compour Result Resu	(58 - 130)  Inds by EPA Meporting Limit U  8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  " " " " " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) Decachloroethane Ditrobenzene Decachlorobutadiene 2,4,6-trichlorophenol 2,4-dinitrotoluene Decachlorobenzene Decachlorobenzene Decachlorobenzene Decachlorophenol 2,4-dinitrotoluene Decachlorophenol Decac	72.5%  nic Compour Result Ro  ND	(58 - 130)  Inds by EPA M Eporting Limit U  8 24 8 8 16 8 8 16 (22 - 57) (15 - 38) (45 - 106) (45 - 105)	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 " " " " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane nitrobenzene hexachlorobutadiene 2,4,6-trichlorophenol 2,4-5-trichlorophenol 2,4-dinitrotoluene hexachlorobenzene pentachlorophenol 2-Fluorophenol [surr] Phenol-d6 [surr] Nitrobenzene-d5 [surr] 2-Fluorobiphenyl [surr]	72.5%  nic Compour Result Ro  ND	(58 - 130)  Inds by EPA M Eporting Limit U   8	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared 12/01/06 """"""""""""""""""""""""""""""""""""	Analyzed  12/01/06	Analysis 8270C-TCLP " " " " " " " " " " " " " " " "	Notes
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ Analyte  Dyridine 1,4-dichlorobenzene Total cresols (o,m & p) hexachloroethane hitrobenzene 2,4,6-trichlorophenol 2,4-dinitrotoluene hexachlorobenzene pentachlorophenol 2,7-dinitrotoluene hexachlorophenol 2,7-dinitrotoluene hexachlorophenol 2-Fluorophenol 2-Fluorophenol [surr] Phenol-d6 [surr] Nitrobenzene-d5 [surr] 2-Fluorobiphenyl [surr] 2,4,6-Tribromophenol [surr]	72.5%  nic Compour Result Ro  ND	(58 - 130)  Inds by EPA M Eporting Limit U  8 24 8 8 16 8 8 16 (22 - 57) (15 - 38) (45 - 106) (45 - 105)	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  " " " " " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP	Notes:
Tetrachloro-meta-xylene [surr] Decachlorobiphenyl [surr] TCLP Semivolatile Organ	72.5%  nic Compour Result Ro  ND	(58 - 130)  Inds by EPA M Eporting Limit U  8 8 24 8 8 16 8 8 16 (22 - 57) (15 - 38) (45 - 106) (45 - 105) (45 - 119) (31 - 127)	lethod Inits [	1 1311/82 Dilution	270C Batch AL60119	Prepared  12/01/06  " " " " " " " " " " "	Analyzed  12/01/06	Analysis 8270C-TCLP " " " " " " " " " " " " " " " "	Notes  No

% Solids

80.9

0.1 %

AK63011

11/29/06

11/30/06

% calculation

Physical Parameters by APHA/ASTM/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Ignitability by Flashpoint	>200		deg F	1	AK63010	11/28/06	11/28/06	EPA 1010	
Reactive Cyanide	ND	40.0	mg/kg	"	AL60418	12/01/06	12/04/06	Section 7.3.3.2	
Reactive Sulfide	ND	40.0	"		AL60417	"	"	Section 7.3.4.2	

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Decommissioning and Demolition Report

APPENDIX B

**Sample Analytical Results of Black Sand** 

BROWN AND CALDWELL



1 Mustard St., Suite 250 Rochester, NY 14609 Date: January 3, 2007
Number of pages:

To:

Mr. Rob Rivera
Brown & Caldwell
990 Hammond Dr.
Suite 400

Atlanta, GA 30328

Phone: (770) 673-3621

Fax: (770) 396-9495

CC:

From:

Janice Jaeger

Phone: (585) 288-5380

Fax: (585) 288-8475

#### RUSH REPORT

Submission #: R2635099

Project Reference: HOWDEN BUFFALO - PROJECT#131303

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Submission # P2635099

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#### EXTRACTABLE ORGANICS

METHOD 8270C TCLP Reported: 01/03/07

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303

Client Sample ID: 9-T

Date Sampled: 12/22/06 13:00 Order #: 962737 Sample Matrix: SOIL/SEDIMENT Date Received: 12/26/06 Submission #: R2635099 Analytical Run 139153

ANALYTE				P	QL	RE	SULT	UNITS
	12/29/06			300	2/85		TE SAME	CA STAG
DATE ANALYZED : ANALYTICAL DILUTION:	12/29/06 10.00							
1,4-DICHLOROBENZENE					10	10	0 U	UG/L
2,4-DINITROTOLUENE					10	10	O U	UG/L
HEXACHLOROBENZENE					10	10	O U	UG/L
HEXACHLOROBUTADIENE					10	10	0 U	UG/L
HEXACHLOROETHANE					10		0 U	UG/L
2-METHYLPHENOL					10		0 U	UG/L
3+4-METHYLPHENOL					10		0 U	UG/L
NITROBENZENE					10		0 U	UG/L
PENTACHLOROPHENOL					50		0 U	UG/L
PYRIDINE					50		0 U	UG/L
2,4,6-TRICHLOROPHENOL					10		U O	UG/L
2,4,5-TRICHLOROPHENOL					10		0 U	UG/L
SURROGATE RECOVERIES		QC LI	MITS					
TERPHENYL-D14	(2)	48 -	131	왕)		9	6	8
NITROBENZENE-D5			130	8)		8		8
PHENOL-D6			133	8)		3		્રું ફ
2-FLUOROBIPHENYL			130	8)		7		8
2-FLUOROBIFHENIL 2-FLUOROPHENOL			130			5		8
2,4,6-TRIBROMOPHENOL			139			7		8

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

## EXTRACTABLE ORGANICS

METHOD 8270C TCLP Reported: 01/03/07

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303

Client Sample ID: 10-T

Date Sampled: 12/22/06 13:15 Order #: 965580 Sample Matrix: SOIL/SEDIMENT R2635099 Analytical Run 139153

	Emilesion w. R26	33099	Analytical Run	139153
ANALYTE	Oil	PQL	RESULT	UNITS
DATE EXTRACTED : 12/29 DATE ANALYZED : 12/29 ANALYTICAL DILUTION:		32/29/52 53/29/53	ELECTRICATES  OUTSILE  MOLTHICS OF MISS	er arkd -
1,4-DICHLOROBENZENE 2,4-DINITROTOLUENE HEXACHLOROBENZENE HEXACHLOROBUTADIENE HEXACHLOROETHANE 2-METHYLPHENOL 3+4-METHYLPHENOL NITROBENZENE PENTACHLOROPHENOL PYRIDINE 2,4,6-TRICHLOROPHENOL 2,4,5-TRICHLOROPHENOL SURROGATE RECOVERIES		10 10 10 10 10 10 10 50 50	100 U 100 U 100 U 100 U 100 U 100 U 100 U 500 U 500 U 100 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
TERPHENYL-D14 NITROBENZENE-D5 PHENOL-D6 2-FLUOROBIPHENYL 2-FLUOROPHENOL 2,4,6-TRIBROMOPHENOL	(48 - 131 (27 - 130 (10 - 133 (32 - 130	왕) 왕) 왕) 왕)	101 86 37 80 54 73	අප අප අප අප

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

Reported: 01/03/07

COLUMBIA AVALYTICAL SERVICES

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303

Client Sample ID : 9-T

Date Sampled: 12/22/06 13:00

Order #: 962737

Sample Matrix: SOIL/SEDIMENT

Date Received: 12/26/06 Submission #: R2635099

ANALYTE	TOTAL STATE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
METALS							
ARSENIC		6010B	0.500	0.500 U	MG/L	12/29/06	1.0
BARIUM		6010B	1.00	1.00 U	MG/L	12/29/06	1.0
CADMIUM		6010B	0.100	0.100 U	MG/L	12/29/06	1.0
CHROMIUM		6010B	0.100	0.100 U	MG/L	12/29/06	1.0
LEAD		6010B	0.100	0.366	MG/L	12/29/06	1.0
MERCURY		7470A 0	.000300	0.00300 U	MG/L	01/02/07	10.0
ELENIUM		6010B	0.500	0.500 U	MG/L	01/02/07	1.0
SILVER		6010B	0.100	0.100 U	MG/L	12/29/06	1.0

Reported: 01/03/07

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303

Client Sample ID : 10-T

Date Sampled: 12/22/06 13:15 Order #: 965580
Date Received: 12/26/06 Submission #: R2635099

Sample Matrix: SOIL/SEDIMENT

ANALYTE	MERCYCANA.	METHOD	PQL	RESULT OF	UNITS	DATE ANALYZED	DILUTION
METALS							
ARSENIC		6010B	0.500	0.500 U	MG/L	12/29/06	1.0
BARIUM		6010B	1.00	1.00 U	MG/L	12/29/06	1.0
CADMIUM		6010B	0.100	0.100 U	MG/L	12/29/06	1.0
CHROMIUM		6010B	0.100	0.100 U	MG/L	12/29/06	1.0
LEAD		6010B	0.100	0.100 U	MG/L	12/29/06	1.0
MERCURY		7470A	0.000300	0.00300 U	MG/L	01/02/07	10.0
SELENIUM		6010B	0.500	0.500 U	MG/L	01/02/07	1.0
SILVER		6010B	0.100	0.100 U	MG/L	12/29/06	1.0



A FULL SERVICE ENVIRONMENTAL LABORATORY

December 11, 2006

Mr. Rob Rivera
Brown & Caldwell
990 Hammond Dr.
Suite 400
Atlanta, GA 30328

PROJECT: HOWDEN BUFFALO - PROJECT#131303.002 Submission #:R2634964

Dear Mr. Rivera

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Janice Jaeger Project Chemist

Enc.





1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

## THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303.002

Lab Submission # : R2634964

Project Manager : Janice Jaeger

Reported : 12/11/06

Report Contains a total of 12 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA

Department/Laboratory Director to comply with NELAC standards prior

to report submittal.



### CASE NARRATIVE

This report contains analytical results for the following samples: Submission #: R2634964

Lab ID	Client ID
959094	10-FS-001
959095	10-FS-002

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

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

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.







## INORGANIC QUALIFIERS

C (Concentration) qualifier -

- B if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

D - Spike was diluted out

E - The reported value is estimated because the serial dilution did not meet criteria.

J - Estimated Value

M - Duplicate injection precision not met.

N - Spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.

\* - Duplicate analysis not within control limits.

+- Correlation coefficient for the MSA is less than 0.995.

### M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used

- "CV" for Manual Cold Vapor AA

- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

### CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Se

Navy Facilities Engineering Service Center Approved

Nebraska Accredited New Jersey ID # NY004 New York ID # 10145 New Hampshire ID # 294100 A/B Pennsylvania ID # 68-786 Rhode Island ID # 158 West Virginia ID # 292

Reported: 12/11/06

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303.002

160.3M

1.00

Client Sample ID: 10-FS-001

Date Sampled: 11/29/06 12:45

Order #: 959094 Date Received: 11/30/06 Submission #: R2634964

Sample Matrix: SOIL/SEDIMENT

1.0

12/01/06 11:14

DRY WEIGHT DATE TIME ANALYTE METHOD PQL RESULT UNITS ANALYZED ANALYZED DILUTION PERCENT SOLIDS

66.3

용

Reported: 12/11/06

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303.002

Client Sample ID: 10-FS-001

Date Sampled: 11/29/06 12:45

Order #: 959094 Submission #: R2634964 Date Received: 11/30/06

Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
ALUMINUM	6010B	10.0	10500	MG/KG	12/06/06	1.0
ANTIMONY	6010B	6.00	9.05 U	MG/KG	12/06/06	1.0
ARSENIC	6010B	1.00	13.7	MG/KG	12/06/06	1.0
BARIUM	6010B	2.00	113	MG/KG	12/06/06	1.0
BERYLLIUM	6010B	0.500	0.911	MG/KG	12/06/06	1.0
CADMIUM	6010B	0.500	0.777	MG/KG	12/06/06	1.0
CALCIUM	6010B	100	43300	MG/KG	12/07/06	10.0
CHROMIUM	6010B	1.00	27.0	MG/KG	12/06/06	1.0
COBALT	6010B	5.00	7.54 U	MG/KG	12/06/06	1.0
COPPER	6010B	2.00	82.1	MG/KG	12/06/06	1.0
IRON	6010B	10.0	38500	MG/KG	12/07/06	10.0
LEAD	6010B	5.00	284	MG/KG	12/06/06	1.0
MAGNESIUM	6010B	100	8110	MG/KG	12/06/06	1.0
MANGANESE	6010B	1.00	1300	MG/KG	12/06/06	1.0
MERCURY	7471A	0.0500	0.370	MG/KG	12/06/06	1.0
NICKEL	6010B	4.00	22.2	MG/KG	12/06/06	1.0
POTASSIUM	6010B	200	2010	MG/KG	12/06/06	1.0
SELENIUM	6010B	1.00	5.19	MG/KG	12/06/06	1.0
SILVER	6010B	1.00	1.51 U	MG/KG	12/06/06	1.0
SODIUM	6010B	100	992	MG/KG	12/07/06	1.0
THALLIUM	6010B	1.00	15.1 U	MG/KG	12/07/06	10.0
VANADIUM	6010B	5.00	25.8	MG/KG	12/06/06	1.0
ZINC	6010B	2.00	219	MG/KG	12/06/06	1.0

Reported: 12/11/06

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303.002

Client Sample ID: 10-FS-002

Date Sampled: 11/29/06 12:50

Date Received: 11/30/06

Order #: 959095 Submission #: R2634964 Sample Matrix: SOIL/SEDIMENT

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
PERCENT SOLIDS	160.3M	1.00	87.8	01 % Mdfax	12/01/06	11:14	1.0

Reported: 12/11/06

Brown & Caldwell

Project Reference: HOWDEN BUFFALO - PROJECT#131303.002 Client Sample ID: 10-FS-002

Date Sampled : 11/29/06 12:50 Date Received: 11/30/06

Order #: 959095 Submission #: R2634964 Sample Matrix: SOIL/SEDIMENT

ANALYTE		METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
ALUMINUM		6010B	10.0	5980	MG/KG	12/06/06	1.0
ANTIMONY		6010B	6.00	6.83 U	MG/KG	12/06/06	1.0
ARSENIC		6010B	1.00	25.7	MG/KG	12/06/06	1.0
BARIUM		6010B	2.00	81.9	MG/KG	12/06/06	1.0
BERYLLIUM		6010B	0.500	0.615	MG/KG	12/06/06	1.0
CADMIUM		6010B	0.500	1.44	MG/KG	12/06/06	1.0
CALCIUM		6010B	100	18100	MG/KG	12/06/06	1.0
CHROMIUM		6010B	1.00	58.3	MG/KG	12/06/06	1.0
COBALT		6010B	5.00	7.07	MG/KG	12/06/06	1.0
COPPER		6010B	2.00	179	MG/KG	12/06/06	1.0
IRON		6010B	10.0	67500	MG/KG	12/07/06	20.0
LEAD		6010B	5.00	514	MG/KG	12/06/06	1.0
MAGNESIUM		6010B	100	4580	MG/KG	12/06/06	1.0
MANGANESE		6010B	1.00	3080	MG/KG	12/07/06	20.0
MERCURY		7471A	0.0500	0.0952	MG/KG	12/06/06	1.0
		6010B	4.00	27.9	MG/KG	12/06/06	1.0
NICKEL POTASSIUM		6010B	200	1660	MG/KG	12/06/06	1.0
The second second second second		6010B	1.00	8.33	MG/KG	12/06/06	1.0
SELENIUM		6010B	1.00	3.36	MG/KG	12/06/06	1.0
SILVER		6010B	100	1110	MG/KG	12/07/06	1.0
SODIUM			1.00	22.8 U	MG/KG	12/07/06	20.0
THALLIUM		6010B		24.8	MG/KG	12/06/06	1.0
VANADIUM ZINC		6010B 6010B	5.00	781	MG/KG	12/07/06	20.0

# INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2634964 Client: Brown & Caldwell

DIASSIUM

ERCURY

UNIMUM

VIIMONY

SENIC

ARIUM

HOWDEN BUFFALO - PROJECT#131303.002

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
0.0500 U	2.03	1.77	115	57 - 142	138259	MG/KG
200 U	2910	2440	119	73 - 127	138316	MG/KG
10.0 U	7620	7120	107	51 - 149	138342	MG/KG
6.00 U	127	86.2	147	18 - 209	138342	MG/KG
1.00 U	146	146	100	74 - 126	138342	MG/KG
2.00 U	382	351	109	77 - 123	138342	MG/KG
0.500 U	64.0	62.2	103	78 - 122	138342	MG/KG
0.500 U	96.6	91.9	105	77 - 123	138342	MG/KG
100 U	3870	3900	66	75 - 126	138342	MG/KG
1.00 U	186	176	106	80 - 120	138342	MG/KG

RYLLIUM

DMIUM

LCIUM

ROMIUM

# INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2634964 Client: Brown & Caldwell HOWDEN BUFFALO - PROJECT#131303.002

5.00 U 6	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
	63.3	58.5	108	79 - 120	138342	MG/KG
	73.8	70.0	105	82 - 118	138342	MG/KG
5.00 U 7	77.4	68.1	114	76 - 124	138342	MG/KG
100 U 2	2360	2180	108	75 - 125	138342	MG/KG
1.00 U 2	224	210	107	80 - 120	138342	MG/KG
4.00 U	93.4	84.0	111	78 - 122	138342	MG/KG
1.00 U 71	71.8	73.0	98	74 - 125	138342	MG/KG
1.00 U 9	98.6	93.0	106	74 - 126	138342	MG/KG
5.00 U 1	155	148	105	68 - 132	138342	MG/KG
2.00 U 4	420	402	105	77 - 123	138342	MG/KG

AGNESIUM

OBALT

OPPER

EAD

ANGANESE

ELENIUM

ICKEL

ILVER

INC

ANADIUM

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2634964
Client: Brown & Caldwell
HOWDEN BUFFALO - PROJECT#131303.002

BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
					200000	
D 00	969	697	100	56 - 145	138367	MG/KG
	The second secon					27 /21

ODIUM



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE

CAS Contact

OF

Preservative Key
0. NONE
1. HOL
1. HNC1
3. H2SO4
4. NaOH
5. Zn Acetate
6. MeOH
7. NaHSO4 DRAGGET MANIBEGA ALTERNATE DESCRIPTION ICE INVOICE INFORMATION Other REMARKS/ 8 SAMEAS ANALYSIS REQUESTED (Include Method Number and Container Preservative) Printed Name Date/Time BILL TO IV. Data Validation Report with Raw Data V. Speicalized Forms / Custom Report No REPORT REQUIREMENTS (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration II. Results + OC Summaries RELINQUISHED BY Yes Besults Only Edata GCMS VOA'S

GCMS VOA'S

GCMS SVOA'S

GCMS SVOA'S

GCMS SVOA'S

GC VOA'S

GC rinted Name Signature Date/Time TUBATAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) REQUESTED REPORT DATE REQUESTED FAX DATE Pare Time STANDARD PRESERVATIVE Z CUSTODY SEALS: Y NUMBER OF CONTAINERS RELINQUISHED BY MATRIX 13/16 12:45 SOIL Suite 400 STRICKLAND 05:01 30/80 TIME 770-396 9495 Printed Name SAMPLING Signature Date/Time 31303.002 DATE 1430 Sampler's Printed Nam FOR OFFICE USE ONLY 940 HAMMOND DRIVE 30328 BROWN AND CALDWELL Report CC AB ID 139/06 SAMPLE RECEIPT: CONDITION/COOLER TEMP. Printed Name ATLAUTA GA 770-673-3652 HOWDEN BURFALD SPECIAL INSTRUCTIONS/COMMENTS BROWN AND CALOUCY CLIENT SAMPLE ID NERL STRICKLAND 1430 200 ROS RIVERA 0-FS-001 0. FS 11/39/oc See OAPP

Distribution Wiffle - Return to Originator, Yellow -

		Cooler	Receip	ot And	d Preserv	ation Ch	eck Form	1	
Project/0	Client B	round Cala	twel	2	Submis	sion Num	her 2242	4961	
		11/30/00 by:					E 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	VELOCIT	Y CLIEN
2. V 3. I 4. I 5. V 6. V	Vere custo Did all bott Did any VO Vere Ice o Vhere did	dy seals on outsing dy papers proper cles arrive in good DA vials have sign Ice packs present the bottles originate of cooler(s) up	ly filled d condi- mifican ent? ate?	d out ( tion (u t air b	ink, signe inbroken)	ed, etc.)?	YES YES YES YES CASA	NO NO NO NO NO CLIEN	VA) T
I	s the temp	erature within 0°	- 6° C?	:	Yes	Yes	Yes	Yes	Yes ·
I	f No, Exp	lain Below			No	No	No	No	No
r	ate/Time	Temperatures Ta	ken:	1130	000	1040		1	
Т	hermomet	ter ID: 161 q	FIRC	SUN	Readin	g From:	Temp Blank	or Sampl	e Bottle
<ol> <li>W</li> <li>A</li> </ol>	ere correc	le labels and tags et containers used s: Cassettes / Tu pancies:	for the	tests	indicated	pers? ? rs Pressur	YES YES Tedlar	NO NO B Bags Inflate	d N/A
			YEŚ	NO	Sample	I.D.	Reagent	Vol. Added	Final pH
	pH .	Reagent		1		TO OUR	Mary Mary	Y Oil 7 Idded	i mai pri
•	≥12	·NaOH					OBJECT S		
	2	HNO <sub>3</sub>							
	\$2	H <sub>2</sub> SO <sub>4</sub>				1.00			
Residual Ch	lorine (+/-)	for TCN & Phenol							0
YES = All s	amples OK	NO = Sa	mples we	re prese	erved at lab	as listed	PC OK to adjus	t pH	
(3 (5 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4		OC Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2			00	her Comme	ents:	Walter May Company	
PC Secon	dary Revi	ew: 1111	12/	04/	2				

Decommissioning and Demolition Report

APPENDIX C

Sample Analytical Results in Miscellaneous Remedial Excavations

BROWN AND CALDWELL

### WASTE STREAM TECHNOLOGY, INC.

302 Grote Street Buffalo, NY 14207 (716) 876-5290

Analytical Data Report Report Date: 11/16/06 Work Order Number: 6K09019

Prepared For Jeff Shirley Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Fax: (716) 285-4201

Site: Buffalo Forge E916

Stockpile analysis

Enclosed are the results of analyses for samples received by the laboratory on 11/09/06. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Daniel W. Vollmer, Laboratory QA/QC Officer

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068





2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

-	WUTI ITOUT RELOW! LOK 2VY	ALTES			
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
BF-Stockpile#1-110906	6K09019-05	Soil	11/09/06 14:20	11/09/06 15:55	

2749 Lookport Road Ningara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916
Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

### TCLP Metals by 6000/7000 Series Methods

Waste Stream Technology Inc.

Analyte	902141	PORTUIT.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-	110906 (6K09019-	-05) Soil	Sampled:	11/09/06 14:20	Rece	ived: 11/09	/06 15:55			Chin	
Mercury			ND	0.001	mg/L	0.66 1	AK61409	11/14/06	11/14/06	EPA 7470A-TCLP	
Silver			ND	0.025	1 11	1125	AK61406	11/14/06	11/15/06	6010B	
Arsenic			ND	0.045		GEE .	av.			1234	
Barium			0.689	0.025		0.00		•	•	1260	
Cadmium			ND	0.025		2000			ner Store, with	manufactured by	
Chromium			ND	0.025		22.600		•		and result are the	
Lead			0.091	0.075			"	4			
Selenium			ND	0.095			u	n			

Sevenson Environmental Services 2749 Lockport Road Nlagara Falls NY, 14302

Project: Buffalo Forge - Solids
Project Number: Buffalo Forge E916
Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

## Polychlorinated Biphenyls by EPA Method 3082

Waste Stream Technology Inc.

Azalyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-110906 (6K09019-05RE1) Soi	Samp	led: 11/09/06	14:20 R	eceived: 1	1/09/06 15	5:55			
Aroclor 1016	ND		ug/kg dry	10	AK61313	11/13/06	11/15/06	8082	
Aroclor 1221	ND	33.0					•		21
Aroclor 1232	ND	33.0	10 Bull			161.00 G	receipt to an in	than the state	
Aroclor 1242	ND	33.0						H Prop. II	,
Aroclor 1248	ND	33.0			0.4	4			
Aroclor 1254	ND	33.0		00.	(I)+			<ul> <li>ofman</li> </ul>	
Arocler 1260	ND	33.0		3.9.	88.0			<ul> <li>ineltyl</li> </ul>	,
Surrogate: Tetrachloro-meta-xylene		99.0 %	61-1	40			•		_
Surrogate: Decachlorobiphenyl		103 %	56-1		ON			auticons	- 1

2749 Lockport Road Nlagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Reported: 11/16/06 16:53

### TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Waste Stream Technology Inc.

Project Manager: Jeff Shirley

Analyto	Markey	brogeri	Repult	Reporting Limit	Units	Dilution	Betch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-11090	6 (6K09015	9-05) Sail	Sampled:	11/09/06 14:20	Recei	ved: 11/89	/06 15:55	Ball (8)	ROPE CONTRACTOR	ent i Andreis	9411
vinyl chloride	36204	TINSUS	ND	10	ug/l	1	AK61403	11/14/06	11/14/06	8260-TCLP	1
1,1-dichloroethene			ND	10		140.0 ·				1000	1
2-butanone			ND	100				*		stil ne i nold	arteri t
chloroform			ND	10		0.04 ·			•		1
carbon tetrachloride			ND	10		H00.	( * L		•	* outrag	to the total t
oenzene			ND	10		08.0					1
1,2-dichloroethane			ND	10		100				. 100	1
trichloroethene			ND	10					www.politica.t	colored to see	1
etrachloroethene			ND	10		27.50			Vertical cards	ale: Differinties	1
chlorobenzene			ND	10							t
1,4-dichiorobenzene			ND	10							τ
Surrogale: Dibromoftu	romethane			105 %	75.	125	*	•	*		
Surogate: 1,2-Dichlore				111 96	3000	128					
Surrogate: Toluene-d8				107 %		118		p	•	-	
Surrogate: Bromoftword	bensene			108 %		123					

2749 Lockport Road Niegara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

### TCLP Pesticides by EPA Method 1311/8081A

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Propared	Analyzed	Method	Notes
BF-Steckpile#1-110906 (6K09019-05) Soil	Sampled:	11/09/06 14:20	Receiv	ved: 11/09	/06 15:55	DATE OF L	electric to	dri risilada	
Gamma-BHC (Lindane)	ND	0.040	ug/l	1	AX61415	11/14/06	11/15/06	EPA 8081A	U
Hepachlor	ND	0.040				•			U
Heptachlor Epoxide	ND	0.040							t
Endrin	ND	0.040							1
Methoxychlor	ND	0.040							1
Chlordane	ND	0.800							T.
Toxaphene	ND	0.040			0.			No. 18 Control	U
Surrogate: Tetrachloro-meta-xylene		97.0%	55-	135			•		Alexander 1
Surrogate: Decachlorobiphenyl		87.5 %	58-					o o o to secular	

2749 Lockport Road Niagara Falis NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916
Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

### TCLP Herbicides by EPA Method 1311/8151A

Waste Stream Technology Inc.

						THE RESIDENCE AND ADDRESS.	The state of the s	CONTRACTOR OF STREET	The second named in
Analyte	Result	Reporting Limit	Units	Dilutios	Batch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-110906 (6K09019-85) Soil	Sampled:	11/09/06 14:21	Rece	ived: 11/09	/06 15:55		except by	The sale	33.33
2,4-D	ND	20.0	Ngu	50	AK61001	11/10/06	11/14/06	8151	U
2,4,5-TP (Silvex)	ND	20.0		•		•	•	0.00	U
Surrogate: 2,4-DCPAA		95.8%	24.	146		•	•		

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Reported: 11/16/06 16:53

## TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C

Waste Stream Technology Inc.

Project Manager: Jeff Shirley

Analyte	Result	Reporting Limit	Units	Diletion	Batch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-110906 (6K09019-05) Soil	Sampled:	11/09/06 14:2	0 Recei	ved: 11/09	V06 15:55	No. of Con-		Contract Contract Contract	
pyridine	ND	8	1/8#	1	AK61501	11/15/06	11/15/06	8270C-TCLP	7 1
1,4-dichlorobenzene	ND				и	4	,		i
Total cresols (o,m & p)	ND	24						An de la	i
hexachloroethane	ND	8						MC 20 Kale	The same of
nitrobenzene	ND	8							ī
hexachlorobutadiene	ND	8							t
2,4,6-trichlorophenol	ND	16	•		•			•	ì
2,4,5-trichlorophenol	ND	8	•			•			i
2,4-dinigrotolyene	ND	8						*	i
hexachlorobenzene	ND	8					,		Ţ
pentachlorophenol	ND	16					•		i
Surrogase: 2-Fluorophenol		41.9%	22-	-57	•			*	
Surrogate: Phenol-d6		26.5%	15						
Surrogate: Nitrobenzene-d5		90.2 %	45-		-				
Surrogate: 2-Fluorobipheral		89.5 %	45-				*	-	
Surrogate: 2,4,6-Tribromophenol		93.1 %	45-		•	**	-	*	
Swrogate: Terphenyl-d14		96.0%	31-			-	-	**	

2749 Lockport Road Niagara Falls NY, 14302 Project: Buffalo Forge - Solids

Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley Reported: 11/16/06 16:53

## Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BF-Stockpile#1-110906 (6K09019-05) Soil	Sampled:	11/09/06 14:	20 Recei	ved: 11/09	/96 15:55	9A (71.)	PHONEN CO	Will-(Settinise)	3-75
pH district record office	9.68	0.10	pH Unlu	1	AK61325	11/13/06	11/13/06	EPA 9045C	
% Solids	83.9	0.1	96		AK61402	11/13/06	11/14/06	% essculation	

2749 Lockport Road Niagara Falls NY, 14302 Project Buffalo Forge - Solids

Project Number: Buffalo Forge E916

Project Manager: Jeff Shirley

Reported: 11/16/06 16:53

## Physical Parameters by APHA/ASTM/EPA Methods

Waste Stream Technology Inc.

				- andre 6	J Inc.				
Analyte	Result	Reporting Limit	Vails	Dilution	Betch	Propered	Analyzad	Method	Notes
BF-Stockpile#1-110906 (6K09019-05) Seil	Sampled:	11/09/06 14:2	20 Recei	ved: 11/09	/06 15:55	1000	149022130	Of the State of the	.51
Ignitability by Flashpoint Reactive Cyanide Reactive Sulfide	>200 ND ND	40.0 40.0	deg F mg/kg	:	AK61323 AK61329 AK61330	11/13/06 11/10/06	11/13/06 11/13/06 11/13/06	EPA 1010 Section 7.3.3.2 Section 7.3.4.2	U

Sevenson Environmental Services 2749 Lockport Road Niagara Falis NY, 14302 Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Menager: Jeff Shirley

Reported: 11/16/06 16:53

### Notes and Definitions

U Analyte included in the analysis, but not detected

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

philosocopies clarins / conject at 62 epos sebrensi - Andrea et cheloris apolicis see a segunda - Andrea	
Merce of periodicings	
is, but not getech	

or make and one has to provide a provide a provide a provide and a provide a

64-7 M

day Sample or to be expected on a day tredge both

Marith Transplayers and Co.



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Results for 8609019-01

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Rej 11/15

BF-Nside-110906 6K09019-01 (Soil) Waste Stream Technology Inc.

4 Bidewall analysis NW bld 25.

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Ana
Mercury	0.065	0.014	mg/kg (dry)	a) pripar	AK61309	11/13/06	11/13/06	EPA :
Silver	ND	2.50	1.	5	AK61021	11/11/06	•	EPA 6
Aluminum	10600	12.5			. 125	• 9873	• 10	unimula.
Arsenic	ND	8.50			08.8	. 04		Once A
Barium	112 -	5.00			09:3 .	W 0.57	n	unhang.
Beryllium	ND	2.50			08.3	• 01/		mullyees.
Calcium	122000	130			0.8(	E . 000		mudia-
Cadmium	ND	5.00			• 5,00	• Old	"	Oadmin.
Cobalt	9.88 ~	5.00			00.8	- CM	17	nadoD.
Chromium	20.0 ~			н	00.8	N. 0.71	0	utropyl0.
Copper	31.0	5.00			00.8	- 25		TEGGOO.
Iron	19400				0.18	Se party		1071
Magnesium	33000 h				0.08 .	10 de april		teengalt.
Manganese	669 ~				00.5	388		unsgereW.
Nickel	22.4 -				00.9	* E.12		hutoly.
Lead	31.5 47	h 20.5		•	B 28 5	-C. 1.60		088.4
Antimony	ND	7.00			7.60	. 04		eromijnā.
Selenium	ND	7.00			00.7 .	. 138		mumble.
Thallium	ND	5.00			00.8	• GM:	•	mediad i
Vanadium	22.2 ~	5.00			60.8	14.2 **		Witter In V.
Zinc	262 h				0.05	17.5		onti
Potassium	1860 -	14.0		1	AK61022	034		mendos.
Sodium	302				O BA	A 183		mulbod

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Unita	Dilution	Batch	Prepared	Analyzed	A
chloromethane	ND	10	ug/kg (dry)	1 90	AK61007	11/10/06	11/10/06	ib
vinyl chloride	ND	10						
bromomethane	ND	10	91			-	acrete Manore	
chloroethane	ND	10	01 .	. 0	10	•	Office and the second	
1,1-dichloroethene	ND	2		· GIA		• 000	moor # rook	
acetone	ND	10	00	. GM		•	· erioh	



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Results for \$5,0019-02

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916

Rej 11/15

BF-Wside-110906 6K09019-02 (Soil) Waste Stream Technology Inc.

Project Manager: Jeff Shirley

Metale	by EDA	6000/7000	Carino	Mathada

Analyte	W.	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Anal
Mercury	e in	0.049	0.014	mg/kg (dry)	1	AK61309	11/13/06	11/13/06	EPA 7
Silver		ND	2.50		5	AK61021	11/11/06		EPA 6
Aluminum		5790 ~	12.5						
Arsenic		ND	8.50						
Barlum		72.0 V	5.00			00 0			
Beryllium		ND	2.50						
Calcium		84000 🕊	130						
Cadmium		ND	5.00		W.				
Cobalt		ND	5.00	n n		W			
Chromium		11.6	5.00	"	w				
Copper		16.5	5.00		v				
Iron		12100 -	41.5		w				
Magnesium		19900 h	60.0		- 0				
Manganese		355	5.00						
Nickel		11.9 -	5.00						and a second
Lead		59.7 h	20.5			8.08			
Antimony		ND	7.00			80 V	• 694		
Selenium		ND	7.00		19		•		AL STATE OF
Thallium		ND	5.00			500		•	
Vanadium		14.2	5.00			AA 2			
Zine		108 4	20.0				1.0		
Potessium		964 ~	14.0		1	AK61022			
Sodium		183 ~	45.0						

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	A
chloromethane	ND	10	ug/kg (dry)	1	AK61007	11/10/08	11/10/06	
vinyl chloride	ND	10	17				•	
bromomethane	ND	10		• (1)	"	•	•	
chloroethane	ND	10			11			
1,1-dichloroethene	ND	2						
acetone	ND	10					· Carrier	

Benzo (a) pyrene	ND	67	14	GH.		lo, bright	stem 4 & E
Indeno (1,2,3-cd) pyrene	ND	67		0.91		10	nesine do cin
Dibenz (a,h) anthracene	ND	67		Q7		•	enamings:
Benzo (g,h,i) perylene	ND	67	•	GM		H .	merigatin S
2-Fluorophenol [surr]	93.1%	(40 - 103)			•5/167	gem(vitorito)	orol/fo-energ
Phenol-d6 [sum]	98.4%	(43 - 108)		CP.	•		ica piotarad
Nitrobenzene-d5 [surr]	91.8%	(50 - 98)		C*1		Consider	chaliford 4.5
2-Fluorobiphenyl [surr]	102%	(49 - 98)		1201	-	emaximedo)	1,2,4° [rights
2,4,6-Tribromophenol [surr]	105%	(52 - 112)		N 13			napříslen
Terphenyl-d14 [surr]	108%	(43 - 108)		(3)	•	• en	(-chlocon)
							The state of the s

Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Anal
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AK61331	11/13/06	11/13/06	EPA!
% Solids	90.4	0.1	%		AKB1402		11/14/06	% calci

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3 & 4-methylphenol	ND	130					g (a) cenal
nitrobenzene	ND	67				ostyli €ost	Trown.
isophorone	ND	67		0		engositino.	
2-nitrophenol	ND	130	**			grade a	
2,4-dimethylphenol	ND	130	v				- 4
Bis(2-chloroethoxy)methane	ND	67	14.0	201.00		knie lore	Agg une
benzoic acid	ND	330	H	37,00		•	*
2,4-dichlorophenol	ND	130	1911	31.16		Marie Law	
1,2,4-trichlorobenzene	ND	67		o ·		Impal track	
naphthalene	77 ~	67		N. Contract	• 1330	al lone e do	
4-chlorosniline	ND	67		3*01		tine of	
hexachlorobutadiene	ND	67	**	*			
4-chloro-3-methylphenol	ND	130	u			π	
2-methylnaphthalene	ND	67	п	r sisting	S vetales	erio • mo	ical roll
hexachlorocyclopentadiene	ND	130		I militage	•		
2,4,6-trichlorophenol	ND	130	-				
2,4,5-trichlorophenol	ND	87		"	• GM		
2-chloronaphthalene	ND	67	я				
2-nitroaniline	ND	67					
acenaphthylene	ND	67					n
Dimethyl phthalate	ND	67	**		neem engr	AND IN MUI	
2,6-dinitrotoluene	ND	67			*		
acenaphthene	ND	67		•			-
3-nitroaniline	ND	67					19
2,4-dinitrophenol	ND	130					v
dibenzofuran	ND	87					
2,4-dinitrotoluene	ND	67					**
4-nitrophenol	ND	130		10		•	
fluorene	ND	67				*	
4-Chlorophenyl phenyl ether	ND	67				u	
Diethyl phthalate	ND	67				19	
4-nitroaniline	ND	67					-
4,6-Dinitro-2-methylphenol	ND	130				18	
n-nitrosodiphenylamine	ND	67	•				
4-bromophenylphenylether	ND	67	•	•	•		
hexachlorobenzene	ND	67		•			
pentachlorophenol	ND	130	•				"
phenanthrene	250	67			•.		
anthracerie	ND	67	* ;			* #	
carbazole	ND	67		•	•		n
Di-n-butyl phthalate	ND	67		•			*
benzidine	ND	330	•	•	•	-	•
fluoranthene	90 ~	67	•	-	•	-	
pyrene	77	67	•		•		
3,3'-Dichlorobenzidine	ND	67	•			w.	•
Butyl benzyl phthalate	ND	67					
Benzo (a) anthracene	ND	67	-	•		•	
chrysene	ND	67	-	•	•	-	
bis(2-ethylhexyl)phthalate	2370	67	•				
Di-n-octyl phthalate	ND	67	-			н	19
Benzo (b) fluoranthene	76~	67	-				n
	ND	67					

1,2-dichlorobenzene	ND		67					
1,4-dichlorobenzene	ND		67				•	
1,3-dichlorobenzene	ND		67	Reporting 2				stylenA
2-chlorophenol	ND		130	SOM MA	13 1. 01	HI COLLO	O not is grid	Voluntie
phenol	ND		130	- 1			•	•
ois(2-chloroethyl)ether	ND		67	• 9.8		. 163	•	100
N-Nitrosodimethylamine	ND		67	ug/kg (dry)	1	AK61314	11/13/08	11/13/06
Analyte	Result	Repor	ting Limit	Units	Dilution	Batch	Prepared	Analyzed
Semivolatile Organic Com								
Bromofluorobenzene [surr]	105%		(83 - 121)	907		CIVI		Antinopy
Toluene-d8 (surr)	102%		(81 - 121)					0.60.
,2-Dichloroethane-d4 [surr]	110%		(69 - 132)					The Road
Dibromofluoromethane [surr]	102%		(70 - 130)			760		s armgerstil
,1,2,2-tetrachloroethane	ND		2					couper iron
promoform	ND		2					
styrene	ND		2					
-xylene	ND		2					
n,p-xylene	ND		4					
thylbenzene	ND		2					
hiorobenzene	ND		2			• 114		out to
ibromochloromethane	ND		2					
etrachloroethene	ND		2					
-hexanone	ND		10					minimize
,1,2-trichloroethane	ND		2			• 00		
ans-1,3-dichloropropene	ND		2			- CO		
pluene	ND		2					
is-1,3-dichloropropene	ND		2		Three son	ST. Trans		- distant
-Methyl-2-pentanone (MIBK)	ND		10		all surrol	000*160	08 4 4 5 9	d olasetti.
romodichloromethane	ND		2					
,2-dichloropropane	ND		2			•		
richloroethene	ND		2				•	
1,2-dichloroethane	ND		2					
penzene	ND		2					
carbon tetrachloride	ND		2					
1,1,1-trichloroethane	ND		2					Diggs Fight L
chloroform	. ND.		2		-	an loans at	TO THE STREET	No office of
sis-1,2-dichloroethene	ND		2				The second	COLUMN TO THE OWNER.
2-butanone	ND		10					
vinyl acetate	ND		10					
,1-dichloroethane	ND		2					
nethylene chloride rans-1,2-dichloroethene	ND		2					
	93		2					44.00

67

67

67

67

benzyl alcohol

2-methylphenol hexachloroethane

bis(2-chloroisopropyl)ether

N-Nitrosodi-n-propylamine

ND

ND

ND

ND

ND



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Results for \$6,00019-03

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Rej 11/15

BF-Sside-110906 6K09019-03 (Spil) Waste Stream Technology Inc.

Metals	DV EPA	6000/7000 Series Methods

Analyte Result Reporting Limit					011		aunea Sel, Ital		
Analyte	Result	кероп	ing Limit	Units	Dilution	Batch	Prepared	Analyzed	Ana
Mercury	0.082	~	0.014	mg/kg (dry)	1	AK81309	11/13/06	11/13/06	EPA:
Silver	ND		2.50	•	5	AK61021	11/11/06	ritto e • Hita 5	EPA 6
Aluminum	10700	-	12.5	• 01		OV.			148
Arsenic	ND		8.50			0/ .		ehatte • meas	del .
Barium	112	-	5.00		**	GVI .		MILONI - CARE	
Beryllium	ND	,	2.50		10	04 .		ario medera	in .
Calcium	109000	Poul -	130			ОИ. •		Brit Sound	de a ·
Cadmium	ND		5.00			ON.		* naly 2	tion t
Cobalt	ND		5.00	" "		0 n		• chall	x-0 •
Chromium	13.5	-	5.00		**	G/4 . #		. 0.10	rds .
Copper	22.2		5.00			QV.		• notices	end .
Iron		-	41.5			CM .		pirerent S	
Magnesium	21800	nigh	60.0						
Manganese	997		5.00	• (05)		JESO!*	traus one il	amo e diomer	60 .
Nickel	13.2	-	5.00	*(SED -		MON.		e lance land	S.I .
Lead	150	mer	20.5	• (121)		186]·		mun & sansu	10
Antimony	ND		7.00	·(tsr-	•	100 ·		shed . Alpin	· Bio
Selenium	ND		7.00						,
Thallium	ND		5.00	TSB (Southern	A 4.5 Vel.		O el Teorit	all dovim	
Vanadium	11.9	-	5.00	Smill Total			•		
Zinc	: 124	hyh	20.0				•		
Potassium	1230		14.0	CTT sunffers I	1	AK61022	•	Property of the control of the contr	
Sodium	434	-	45.0		•	risk.			

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Betch	Prepared	Analyzed	A
chloromethane	ND	10	ug/kg (dry)	01	AK61007	11/10/06	11/10/06	
vinyl chloride	ND	10	•	Gr.			c s yared	
bromomethane	ND	10		G#				
chloroethane	ND	10		Q.		* (c.16)	natellans	
1,1-dichloroethene	ND	2		0.5		1 of 10, 13 s		
acetone	ND	10		0.1	. 50	mothygon; ne	hotorative.	

Benzo (a) pyrene	ND	67	0	8.000A	00400	LI SALAY	14
Indeno (1,2,3-cd) pyrene	ND	67	•	•			*
Diberz (a,h) anthracene	ND	87	•	•	*		"
Benzo (g,h,i) perylene	ND	67	•	CIVI	*	ione valytis sosis	redotin
2-Fluorophenol [surr]	85.6%	(40 - 103)		OM	*	ene ene	n
Phenol-d6 [surr]	91.6%	(43 - 108)				Lander Schuelber	"
Nitrobenzene-d5 [surr]	87.6%	(50 - 98)			*	* .	es their
2-Fluorobiphenyl [surr]	92.8%	(49 - 98)				5000	
2,4,6-Tribromophenol [surr]	105%	(52 - 112)		G/	-	[prioriginal	risib-e*C
Terphenyl-d14 [surr]	107%	(43 - 108)		CV.		marche lunciri	61.5

Conventional Chemistry	Parameters by	EPA	Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Anal
Cyanide (total)	ND	0.50	mg/kg (dry)	1	AK61331	11/13/08	11/13/06	EPA!
% Solids	93.6	0.1	%		AK61402		11/14/06	% calc

13.

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3 & 4-methylphenol	ND	130				**	
nitrobenzene	ND	67		•			**
isophorone	ND	67				-	14
2-nitrophenol	ND	130	-	0			H
2,4-dimethylphenol	ND	130					W
Bis(2-chloroethoxy)methane	ND	67				[mm] 25)	
benzoic acid	ND	330		0 3 3 8			
2,4-dichlorophenol	. ND	130			1003		
1,2,4-trichlorobenzene	ND	67	0		N	u	
naphthalene	ND	67					
4-chloroaniline	ND	67					
hexachlorobutadiene	ND	67		*******			
4-chloro-3-methylphenol	ND	130					
2-methylnaphthalene	ND	67					
hexachlorocyclopentadiene	ND	130					
2,4,6-trichlorophenol	ND	130	08.0		- OM		tatal) etc
2,4,5-trichlorophenol	ND	67	. 1.0		4,00		
2-chloronaphthalene	ND	67					
2-nitroaniline	ND	67		. Down	ore plant	X	
acenaphthylene	ND	67				_	
Dirnethy! phthalate	ND	67					
2,8-dinitrotoluene	ND	67	,				
acenaphthene	ND	67					
3-nitroaniline	ND	67					
2,4-dinitrophenol	ND	130					
dibenzofuran	ND	87					
	ND						
2,4-dinitrotoluene 4-nitrophenol	ND	67 130	,				
fluorene	ND	67	,				
4-Chlorophenyl phenyl ether	ND	67					
Diethyl phthalate	ND	67					
4-nitroaniline	ND	67					
4,6-Dinitro-2-methylphenol	ND	130					
n-nitrosodiphenylamine	ND	67					
4-bromophenylphanylether	ND	67					u
hexachlorobenzene	ND	87					
pentachlorophenol	ND	130		4			19
phenanthrene	202 -	67					11
anthracene	ND	67					,,
carbezole	ND	67	b				
Di-n-butyl phthalate	ND	67				-	
benzidine	ND	330					
fluoranthene	ND	87					,
	ND	67	,				,
pyrene	ND	67					
3,3'-Dichlorobenzidine							м
Butyl benzyl phthalate	ND .	67					
Benzo (a) anthracene	ND	87					
chrysene	ND	87					
bis(2-ethylhexyl)phthalate	178	67					
Di-n-octyl phthalate	ND	67					
Benzo (b) fluoranthene	ND	67	1.				
Benzo (k) fluoranthene	ND	87					

carbon disulfide	ND		. 2			н	W. 18 3.5%		
methylene chloride	86 V	•	2				1.		
trans-1,2-dichloroethene	ND		2			27			
1,1-dichloroethane	ND		2						
vinyl acetate	ND		10				•		1-1-1-1
2-butanone	ND		10				A Dino		of estudies
cis-1,2-dichloroethene	ND		2				•	•	•
chloroform	ND .		2			-			erdes Infate
1,1.1-trichloroethane	ND		2				" Shee	12/14	da rampal/
carbon tetrachloride	ND		2			•	w		
benzene	ND		2			•	n		
1,2-dichloroethane	ND		2	*		•			
trichloroethene	ND		2	**		-	• .	**	
1,2-dichloropropane	ND		2			-	•	10	"
bromodichloromethane	ND		2					10	"
4-Methyl-2-pentanone (MIBK)	ND		10				0000-0000		70 2 2 3 m
cis-1,3-dichloropropene	ND		2				* dugod		617km/s
toluene	ND		2						
trans-1,3-dichloropropene	ND		2	om.			N. 180.0		9103760
1,1,2-trichloroethane	ND		2			"	• 00	4	
2-hexanone	ND		10	**			7,480		countrable
tetrachloroethene	ND		2	**		-	• GN		avro suA
dibromochloromethane	ND		2	**		-	N 637	"	multiple
chlorobenzene	ND		2	**		-	• 04	*	multy1s8
ethylbenzene	ND		2	n			-/r tigets		mylate)
m,p-xylene	ND		4				• 111		mulming C
o-xylene	ND		2			-	No. of a	*	14000
styrene	ND		2				12.1	**	muinted 10
bromoform	ND		2	•			7 sat	•	190000
1,1,2,2-tetrachloroethane	ND		2		41.5	•	- 000EF	*	nen
Dibromofluoromethane [surr]	102%	4	(70 - 130)		00.5		* 034	**	
1,2-Dichloroethane-d4 [surr]	112%		(69 - 132)				* 0.2r	n	11
Toluene-d8 [surr]	104%		(81 - 121)				Just Bass	**	u
Bromofiuorobenzene [surr]	106%	7.00	(83 - 121)			•	• 04	**	yriom* of

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	A
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AK61314	11/13/06	11/13/06	
bis(2-chloroethyl)ether	ND	67	. 0.01		- 613	•	intrivos	
phenol	ND	130		•			•	
2-chlorophenol	ND	130	100 ×6.49	3 yet ab	ruo, mo	Degate C	elltsto V	
1,3-dichlorobenzene	ND	67	Lance on P	Alune S	•		alyitaA-	
1,4-dichlorobenzene	ND	67			•			
1,2-dichlorobenzene	ND	67		CIVI*		• oren	trimordida	
benzyl alcohol	ND	67		CM*	4		halts feller	
bis(2-chloroisopropyl)ether	ND	67		Die.	•	* 9707	thrio find	
2-methylphenol	ND	67		CIM.	м	P 0A	orașonul da	
hexachloroethane	ND	67		QV.		effective	nel tole I.I	
N-Nitrosodi-n-propylamine	ND	67		GN.	•		stiolpos	



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Results for \$4,99019-04

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirtey

Rej 11/15

BF-Eside-110906 6K09019-04 (Soil) Waste Stream Technology Inc.

Matala	by EDA	CONTROL Carine Matheda	
meulis	DV EPA	6000/7000 Series Methods	i.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Ana
Mercury	0.021	0.014	mg/kg (dry)	1	AK61309	11/13/06	11/13/06	EPA :
Silver	ND	2.50	1000 to	5	AK81021	11/11/06	Misor to 100	EPA
Aluminum	7460 ~	12.5	18	•	四次 • 6 6		(* calca	7-0-
Arsenic	ND	8.50	2.		CM *	**	and the brother	citor
Barium	78.3	5.00	•	•	3/4	•enart	emout_ co	udib.
Beryllium	ND	2.50			014			ound .
Calcium	86000 ₩	الم 130	W		ON .		50 M	dia
Cadmium	ND	5.00		•	@je •		•nale:	gen .
Cobalt	5.16	5.00	2.	4	010-1			060
Chromium	12.8		• 5	•	OM .		<ul> <li>806</li> </ul>	myly.
Copper	16.2		10	•	OH •		•0.0000	your .
Iron	12300 -	41.5		•	OM .	- studies	natharta 51	2.5
Magnesium	22900 h	60.0						
Vanganese	460 ~	5.00	*(08t -		NSO!	Arme none	anson Advisor	osici.
Nickel	13.0		• (67)		W117*	fraction ob-se	District Continue	21 .
Lead	22.6 M	L 20.5	• (18)	u	MIOI.		traus Science	dor.
Antimony	ND	7.00	*(121)		7:30T	tradet eco	med today	iosa .
Selenium	ND	7.00					"	
Thallium	ND	5.00	detrod Ses	50 100	ebatioone	Describe Ca	Ledital - vie	-
Vanadlum	13.4	5.00	Sints -					,
Zinc :	63.1 L	1 20.0	• 1					
Potassium	1120	14.0	Security 200	1	AK61022			
Sodium	218 -	45.0		•		arioth	STREET, STREET	

### Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	A
chloromethane	ND	10	ug/kg (dry)	1	AK61007	11/10/06	11/10/06	
vinyl chloride	ND	10	•	dit			ters wanted	
bromomethane	ND	10	•	011	1 10 13	odvadoos o	Tanto Control	
chloroethane	ND	10	•	017		· lorus	Seritors.	
1,1-dichloroethene	ND	2		CDA		enorth.	Control Control	
acetone	ND	10		ON THE	• 501	nel cina ne	tionor U	

Benzo (a) pyrene	ND	67		ON.		lona tely	diami-1 2 8
Indeno (1,2,3-cd) pyrene	ND	67	**	đ.	•		"
Dibenz (a,h) anthracene	ND	87	*	· du		n	11
Benzo (g,h,i) perylene	ND	67		Civi	•	(10	cedqqrth-S
2-Fluorophenol [surr]	78.1%	(40 - 103)		Gir.	· orear	CONTRACTOR	oranio Luais
Phenol-d6 [surr]	84.3%	(43 - 108)					Las 300000
Nitrobenzene-d5 [surr]	79.8%	(50 - 98)		04	•		more " as
2-Fluorobiphenyl [surr]	89.6%	(49 - 98)		ch.		energie don	atroft \$ 5.1
2,4,6-Tribromophenol [surr]	98.3%	(52 - 112)		G/I			delan de
Terphenyl-d14 [surr]	105%	(43 - 108)					

### Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporti	ng Limit	Units	Dilution	Batch	Prepared	Analyzed ·	Anal
Cyanide (total)	1.36	.3h	0.50	mg/kg (dry)	1	AK61331	11/13/06	11/13/06	EPA:
% Solids	85.4		0.1	%		AK61402	. 61	11/14/08	% calc

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3 & 4-methylphenol	ND	130	10		-	• 0610	
nitrobenzene	ND	67				Holy was	
isophorone	ND	67			•	anege . Ton (	• • • • • • • • • • • • • • • • • • • •
2-nitrophenol	ND	130	•		•	en • 90	
2,4-dimethylphenol	ND	130		•			19
Bis(2-chloroethoxy)methane	ND	67		3. 37		fame) part	
benzoic acid	ND	330	•	3.00		• [70]	
2,4-dichlorophenol	ND	130	•			June 100 m	677
1,2,4-trichlorobenzene	ND	67		19.00	•.	(Number of the	
naphthalene	ND	67		4.53	• 100	lesson par	46
4-chloroaniline	ND	67		3.0	•		
hexachlorobutadiene	ND	67		•	•	•	
4-chloro-3-methylphenol	ND	130	•				•
2-methylnaphthalene	ND	67	A 1/2 SA	19.0216	Typesing		
hexachlorocyclopentadiene	ND	130	• 3m11		*100p	9 •	
2,4,6-trichlorophenol	ND	130					•
2,4,5-trichlorophenol	ND	67	• 02.0		Fred 100 1		
2-chloronaphthalene	ND	67	• 10		5.39		
2-nitroaniline	ND	67			. •		
acenaphthylene	ND	67	•				
Dimethyl phthalate	ND	67	•				
2,8-dinitrotoluene	ND	87		•			
acenaphthene	ND	67		•	•		*
3-nitroaniline	ND	67		•	-		
2,4-dinitrophenol	ND	130			•	•	
dibenzofuran	ND	67			•		
2,4-dinitrotoluene	ND	67		•	•		v
4-nitrophenol	ND	130				•	w
fluorene	ND	67		•	-		U
4-Chlorophenyl phenyl ether	ND	67		•		•	
Diethyl phthalate	ND	67	•	•		•	•
4-nitroaniline	ND	67		•		•	
4,6-Dinitro-2-methylphenol	ND	130		•		•	•
n-nitrosodiphenylamine	ND	67		•	-	•	
4-bromophenylphenylether	ND	67		•	•	•	•
hexachlorobenzene	ND	67		•	•	•	•
pentachlorophenol	ND	130	•	•	•	•	•
phenanthrene	118	67		*	•		
anthracene	ND	67	•	•	•		•
carbazole	ND	67	•		•		•
Di-n-butyl phthalate	ND	67			•	•	
benzidine	ND	330	-	•	•	•	"
fluoranthene	ND	67	"		*	•	
pyrene	ND	67	•	•		•	10
3,3'-Dichlorobenzidine	ND	67	•	•	**		*
Butyl benzyl phthalate	ND	67	•	•		•	
Benzo (a) anthracene	ND	67	•	•		•	•
chrysene	ND	67		•	•	•	•
bis(2-ethylhexyl)phthalate	215 W	67	•	•	•	•	
Di-n-octyl phthalate	ND	67	•	•	-	•	•
Benzo (b) fluoranthene	ND	67		•	•	•	4
Benzo (k) fluoranthene	ND	67		_			

Itans-1,2-dichloroethene	carbon disulfide	ND	2					
trans-1,2-dichloroethene 1,1-dichloroethane ND 2 1,1-dichloroethane ND 10 2-butanone ND 10 2-butanone ND 10 2-butanone ND 10 2-butanone ND 10 3-cis-1,2-dichloroethane ND 10 1,1,1-trichloroethane ND 2 1,1,1-trichloroethane ND 2 1,2-dichloroethane ND 2 1,2-dichloroethane ND 2 1,2-dichloroethane ND 2 1,2-dichloroethane ND 2 1,2-dichloropropane ND 2 1,2-dichloroethane ND 2 1-dichloroethane ND 2 1-dichloroethane ND 2 1-dichloropropane ND				VIE DE				
1,1-dichloroethane         ND         2           vinyl acetate         ND         10           2-butanone         ND         10           cis-1,2-dichloroethene         ND         2           chloroform         ND         2           1,1,1-trichloroethane         ND         2           carbon tetrachloride         ND         2           benzene         ND         2           1,2-dichloroethane         ND         2           1,2-dichloropthane         ND         2           1,2-dichloropropane         ND         2           bromodichloromethane         ND         2           1,2-dichloropropane         ND         2           bromodichloropropene         ND         2           trans-1,3-dichloropropene         ND         2           trans-1,3-dichloropropene         ND         2           1,1,2-trichloroethane         ND         2           2,1,2-trichloroethane         ND         2           2,1,2-trichloroethane         ND         2           2,1,2-trichloroethane         ND         2           2,2,4,2,3,4,4,4,4,4,4,4,4,4,4,4,4,4,4,4,		377.77						
vinyl acetate         ND         10           2-butanone         ND         10           cis-1,2-dichloroethene         ND         2           chloroform         ND         2           1,1,1-trichloroethane         ND         2           1,1,1-trichloroethane         ND         2           carbon tetrachloride         ND         2           benzene         ND         2           1,2-dichloroethane         ND         2           1,2-dichloropropane         ND         2           bromodichloromethane         ND         2           4-Methyl-2-pentanone (MIBK)         ND         10           cis-1,3-dichloropropene         ND         2           toluene         4         2           trans-1,3-dichloropropene         ND         2           toluene         4         2           trans-1,3-dichloropropene         ND         2           1,1,2-trichloroethane         ND         2           1,1,2-trichloroethane         ND         2           2-trans-1,3-dichloropropene         ND         2           1,1,2-trichloroethane         ND         2           2-trichloroethane         ND <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
2-butanone ND 10						17.71		
cis-1,2-dichloroethane         ND         2           chloroform         ND         2           1,1,1-trichloroethane         ND         2           carbon tetrachloride         ND         2           benzene         ND         2           1,2-dichloroethane         ND         2           trichloroethane         ND         2           1,2-dichloropropane         ND         2           bromodichloromethane         ND         2           4-Methyl-2-pentanone (MIBK)         ND         10           cis-1,3-dichloropropene         ND         2           toluene         4         2           trans-1,3-dichloropropene         ND         2           1,1,2-trichloroethane         ND         2           2-haxanone         ND         2           1,1,2-trichloroethane         ND         2           2-haxanone         ND         2           10loromochloromethane         ND         2           chlorobenzene         ND         2           mp-xylene         140 × 4         -           np-xylene         ND         2           styrene         ND         2	Address to the contract of the				,	1479/		
Chloroform						- 00-07	000100-0	1.87.1.837
1,1,1-trichloroethane carbon tetrachloride benzene ND 1,2-dichloroethane ND 2 1,2-dichloroethane ND 2 1,2-dichloropropane ND 2 1,2-dichloropropane ND 2 1,2-dichloropropane ND 2 1-2-dichloropropane ND 2 1-2-dichloropropane ND 2 1-2-dichloropropane ND 2 1-3-dichloropropane ND 2 1-3-dichloropropane ND 2 1-1,2-trichloroethane ND 2 1-1,1,2-trichloroethane ND 2 1-1,1,2,2-tetrachloroethane ND 2 1-1,1,2,2-tetrachloroethane ND 2 1-1,1,2-tetrachloroethane ND 1-1,2-tetrachloroethane ND 1-1,1,2-tetrachloroethane						splying 3 feb	daminantiviC	l rasmual
Carbon tetrachloride				P			bear no	THE LONG
Denzene   ND   2					100	24	EFT (2) (#)	e a magan
1,2-dichloroethane						and the same of the	-	
trichloroethene								
1,2-dichloropropane						"		
bromodichloromethane         ND         2           4-Methyl-2-pentanone (MIBK)         ND         10           cis-1,3-dichloropropene         ND         2           toluene         4         2           trans-1,3-dichloropropene         ND         2           1,1,2-trichloroethane         ND         2           1,1,2-trichloroethane         ND         2           2-hexanone         ND         10           tetrachloroethane         ND         2           dibromochloromethane         ND         2           chlorobenzene         ND         2           ethylbenzene         28         2           m,p-xylene         140         4           o-xylene         8         2           styrene         ND         2           bromoform         ND         2           Dibromofluoromethane [surr]         97.3%         (70 - 130)           1,2-Dichloroethane-d4 [surr]         12%         (89 - 132)           Toluene-d8 [surr]         112%         (81 - 121)								
4-Methyl-2-pentanone (MIBK) ND 10 """""""""""""""""""""""""""""""""""		1.77.0 <del>.77</del> 0	_	•	•			•
cis-1,3-dichloropropene       ND       2       " " " " " " " " " " " " " " " " " " "						division of		
toluene			10	•		AUDI SUD		THE LAW I
trans-1,3-dichloropropene ND 2 " " " " " " " " " " " " " " " " " "	cis-1,3-dichloropropene	ND	2		drain this	9407		an the same
1,1,2-trichloroethane ND 2 " " " " " " " " " " " " " " " " " "		4 4	2		•			
2-hexanone ND 10 " " " " " " " " " " " " " " " " " "	trans-1,3-dichloropropene	ND	2		109,0		Q9. •	Val.
tetrachloroethene ND 2 " " " " " " " " " " " " " " " " " "	1,1,2-trichloroethane	ND	2	"			•	**
dibromochloromethane       ND       2       """"""""""""""""""""""""""""""""""""	2-hexanone	ND	10	and whi	th bodiest	ASSING	echibids	H 9.737
chlorobenzene       ND       2       """"""""""""""""""""""""""""""""""""	tetrachloroethene	ND	2	de la des				,
ethylbenzene 28	dibromochloromethane	ND	2					•
### ##################################	chlorobenzene	ND	2					
m,p-xylene 140 / 4 " " " " " " " " " " " " " " " " " "	ethylbenzene .	28 ~				ON .		
o-xylene         8 /         2 """"""""""""""""""""""""""""""""""""		140 ~	4		*			ar vire na
styrene       ND       2       """"""""""""""""""""""""""""""""""""		. 8 -	2		u			
bromoform         ND         2         "		ND			w			ALLAN S
1,1,2,2-tetrachloroethane       ND       2       "       "       "         Dibromofluoromethane [surr]       97.3%       (70 - 130)       "       "       "         1,2-Dichloroethane-d4 [surr]       127%       (89 - 132)       "       "       "         Toluene-d8 [surr]       112%       (81 - 121)       "       "       "			2					
1,2-Dichloroethane-d4 [surr] 127% (89 - 132) " " " " " " " " " " " " " " " " " " "	1,1,2,2-tetrachloroethane	ND		THE VELO	ngkarsena Selfraur	by selmo		Science C
1,2-Dichloroethane-d4 [surr] 127% (89 - 132) " " " " " " " " " " " " " " " " " " "	Dibromofluoromethane [surr]	97.3%	(70 - 130)					"
Toluene-d8 [surr] 112% (81 - 121) " " "					0.0		10.4	• 260
	and the second s				. 0.	v		10 1 to 1
	Bromofluorobenzene [surr]	114%	(83 - 121)			u		•

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	A
N-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AK61314	11/13/06	11/13/06	
bis(2-chloroethyl)ether	ND	67		•			CLERON SERVICE	
phenol	ND	130					The same of	
2-chlorophenol	ND	130		•	•			
1,3-dichlorobenzene	ND	67		• .50	awn edgn	M. D.M. mult	© 20 € From	
1,4-dichlorobenzene	ND	67					•	
1,2-dichlorobenzene	ND	67		-				
benzyl alcohol	ND	67		*		•		
bis(2-chloroisopropyl)ether	ND	67						
2-methylphenol	ND	67				•		
hexachloroethane	ND	67						
N-Nitrosodi-n-propylamine	ND	67		•	•	•	•	



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Results for 860019-05

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search.

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Rej 11/15

Project: Buffalo Forge - Solids Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

8F-Stockpile#1-110906 8K09019-05 (Soli) Waste Stream Technology Inc.

TCLP Met	tals by 600	0/7000 Seri	es M	ethods						
Analyte	Result	Reporting L			ilution	Batch	Prepared	Analyz	zed	Analysis
Mercury	ND	0	.001	mg/L	1	AK61409	11/14/06	11/14/	06 · EPA	<b>7470</b> A-T
TCLP Her Analyte	bicides by	EPA Metho		11/8161/ rting Limit		Dilution	Batch	Prepare	d Analyz	ed An
2,4-D 2,4,5-TP (Si	vex)	ND ND		20.0	-	50	AK61001	11/10/00	B 11/14/0	06 8
2,4-DCPAA	[surr]	95.8%		(24 - 146)	2	. 1	Эм		1.00	lesson .
Convention Analyte	onal Chemi Result	stry Param Reporting			Method Diluti		tich Pre	pared	Analyzed	Analy
pH % Solids	9.68		0.10	p	(3)		1325 11/ 1402		11/13/06 11/14/06	EPA 90 % calcul
Physical I Analyte	Parameters	by APHA/		WEPA M		Dilution	Batch	Prepared	Analyzed	Anat
Ignitability b	y Flashpoint	>200		Onto police	deg F		AK81323	11/13/06	11/13/06	EPA
Reactive Cya Reactive Sul		ND ND			0.0 mg/kg 0.0 "		AK61329 AK61330	11/10/08	anangoch k	Section Section
					-		702			

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Benzo (a) pyrene	ND	67		3.00*				
Indeno (1,2,3-cd) pyrene	ND	67		0.0			embelo film	
Dibenz (a,h) anthracene	ND	67		CH.	•		omtoon	
Benzo (g,h,i) perylene	ND	67	*	ON.	•	" lane	2-filtroph	
2-Fluorophenol [surr]	90.3%	(40 - 103)		thi.	a arte	v vstoi imura	MD-SOME	
Phenol-d6 [surr]	96.0%	(43 - 108)		CM.			000000	
Nitrobenzene-d5 [surr]	94.1%	(50 - 98)		GM*		ion Proces	2.4-dichi	
2-Fluorobiphenyl [surr]	99.7%	(49 - 98)		GM*		ne sere Conquis	11	
2,4,6-Tribromophenol [surr]	103%	(52 - 112)		054	*	• ana	u	
Terphenyi-d14 [surr]	105%	(43 - 108)		OK.		a name	and the	

### Conventional Chemistry Parameters by EPA Methods

Analyte	Result	Reporti	ng Limit	Units	Dilution	Batch.	Prepared	Analyzed	Anal
Cyanide (total)	0.60	high	0.50	mg/kg (dry)	1	AK61331	11/13/06	11/13/06	EPA:
% Solids	89.3		0.1	%	"	AK61402		11/14/06	% calc

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3 & 4-methylphenol	ND	130	•	Old n		• 170	a) 25 • 3
nitrobenzene	ND	67		OM•	0 100	reg (In-E.S.	
isophorone	ND	67		CIM•	• 98	erşilles dü	nath.
2-nitrophenol	ND	130		CIV.		analyted (in	0.0
2,4-dimethylphenol	ND	130					
Bis(2-chloroethoxy)methane	ND	67		SE.10		(nus) • made	1010U* 5
benzoic acid	ND	330		2000		•	0-311
2,4-dichlorophenol	ND	130		-61.0		nuri de en e	
1.2.4-trichlorobenzene	ND	67		35. W.D.	v	nod hose si	
naphthalene	ND	67		372.61		count trace	
4-chloroaniline	ND	67		272.01		Irong • Charles	mana*a*
hexachlorobutadiene	ND	67					
4-chloro-3-methylphenol	ND	130					19
2-methylnaphthalene	ND	67			wit wines	an live office	KVITE O
hexachlorocyclopentadiene	ND	130					etulia.
from the state of	ND	130		Charles and Asia			
2,4,6-trichlorophenol 2,4,5-trichlorophenol	ND	67					
	ND	67			09.0	· Verni	Winds .
2-chloronaphthalene					1,50		· ·
2-nitroaniline	ND.	67			-		
acenaphthylene	ND	67		Devite	ash alitys D	OJI mumo	n9 8005.4
Dimethyl phthalate	ND	67					
2,6-dinitrotoluene	ND	67		-			-
acenaphthene	ND	67					
3-nitroaniline	ND	67					
2,4-dinitrophenol	ND	130					
dibenzofuran	ND	67					•
2,4-dinitrotoluene	ND	67				•	"
4-nitrophenol	ND	130	•	•		•	"
fluorene	ND	67		•		•	
4-Chlorophenyl phenyl ether	ND	67	•	•		• .	•
Diethyl phthalate	ND	67	•	•		•	•
4-nitroeniline	ND	67	•	•		•	
4,6-Dinitro-2-methylphenol	ND	130	•			•	•
n-nitrosodiphenylamine	ND	67	•	•	•	•	•
4-bromophenylphenylether	ND	67	•		. •	•	•
hexachlorobenzene	ND	67	•	•		•	•
pentachlorophenol	ND	130	•	•		•	,
phenanthrene	109 -	67	•	•	•	•	•
anthracene	ND	67	•	•	•	•	•
carbazole	ND	67	•		0		•
Di-n-butyl phthalate	ND	67	•				•
benzidine	ND	330	•	•	**	"	
fluoranthene	ND	67	•	•			
pyrene	ND	67	*	-	•	•	
3,3'-Dichlorobenzidine	ND	67	**	-			· ·
Butyl benzyl phthelate	ND	67		•		•	
Benzo (a) anthracene	ND	67		*	*		
chrysene	ND	67	•	•			•
bis(2-sthylhexyl)phthelate	173	67	•				
Di-n-octyl phthalate	ND	67					
Benzo (b) fluoranthene	ND	67				-	**
Benzo (k) fluoranthene	ND	67		**		"	**

Nov. 15. 2006 11: 26 AM eb	Access					No. 83	19 Page _1	5
							1	
carbon disulfide	ND	9000	4			11.		
methylene chloride	89 ~	2					1 2	
trans-1,2-dichloroethene	ND	2			,	11984		
1,1-dichloroethane	ND	2				1945		
vinyl acetate	ND	10				11.1	1 2	
2-butanone	ND	. 10						
cis-1,2-dichloroethene	ND	2					1 1 2	
chloroform	ND .							
1,1,1-trichloroethane	ND	2 2						
carbon tetrachloride	ND	2				1985		
benzene	ND					20, 12	243	
1,2-dichloroethane	ND	2		-		200	Med I	
trichloroethene	ND	2				11		
1,2-dichloropropane	ND	2						
bromodichloromethane		2			•	o   1		
4-Methyl-2-pentanone (MIBK)	3~	2					Sur.	
cis-1,3-dichloropropene	ND	10		-		•	5-8	
	ND	2						
toluene	4	2				1 5		
trans-1,3-dichloropropene	ND	2	-			0 2	•	
1,1,2-trichloroethane	ND	2		-			•	
2-hexanone	ND	10	-	CLOSE			10	
etrachloroethene	ND	2	14.4	Same?			"	
dibromochloromethane	ND	2	1		•	9 345		
chlorobenzene	ND	2	Train !	1	•			
ethylbenzene	20 ~	2	100	-				
n,p-xylene	98 v	4	100/14					
o-xylene	5/	2			•			
styrene	ND	2	1 161			•	0	
promoform	ND	2		-	•	•		
1,1,2,2-tetrachloroethane	ND	2	1 15		-			
Dibromofluoromethane [surr]	104%	(70 - 130)		an (10 CE)	N. Lamber	- 33		
,2-Dichloroethane-d4 [surr]	117%	(69 - 132)						
Toluene-d8 [surr]	114%	(81 - 121)					. 10	
Bromofluorobenzene (surr)	109%	(83 - 121)					•	
Semivolatile Organic Con	nnounde by E	DA Method	4 92700					
Analyte		orting Limit	Units	Dilution	Batch	Prepared	Analyzed	
		- Jank	2.40	Distriction	Jeun	Lishman	Alwayzed	-
-Nitrosodimethylamine	ND	67	ug/kg (dry)	1	AK61314	11/13/06	11/13/06	
s(2-chloroethyl)ether	ND	67	•	•				
nenol	ND	130						
chlorophenol	ND	130						
3-dichlorobenzene	ND	67			100			
4-dichlorobenzene	ND	67			18.	8 .		
2-dichlorobenzene	ND	67	13:			9		
enzyl alcohol	ND	67	E VE T			2 .		
s(2-chloraisopropyl)ether	ND	67	100	V 1.				
methylphenol	ND	67			. 200			
exachloroethane	ND	67						

N-Nitrosodi-n-propylamine

PAGE 1 OF	ARE SPECIAL DETECTION LIMITS	YES NO NO NO NET NO	Is a QC Pactage Physied: YES NO Hyes please stilled Fequirements	MA			COMMISSITS: WAT. 1.D.	2×4 01	100	02	40	60	69 00	-		6 377	palita e palita e policida palita (palita) palita (palita)	to one range to secure by recognition	DATE: THES	
GROUP # 6K 09019		TURN AROUND TIME BON	QUOTATION NUMBERES 0 04	ANALYSES TO BE PERFORMED D. VOHM	1111			SXI4,				1	*		081		mprocess mprocess more especial more more especial			THE CASE OF
GROUP # 6	DUE DATE		SLUDGE SO SOLD W WOFE OTHER	ANALYSES TO E	1	A Char	RS / P.	4 0 W W W W				××	×	-	+		Engrise sensorol sensorol sensorol		NECENED BY:	RECEIVED BY
REATH	inology Inc.	(716) 876-2412	OW DRINIGNG WATER GW SUN SURFACE WATER WWW WASTE WATER O OIL	SAS	CONTAINE	12. 15.	1 F/2/	XX	× ×	××	XX	X	×				osidos Securios		TIME	
UMSTESTREA	Waste Stream Technolog	(716) 876-5290 • FAX (716) 876-2412	ma brac		DMT	IE OF SAMPLE	MY	16/01 1345 Ko 4	1355 Se 14	1 55 34	1415 50 4	Was so 4	V NZO C 1				THINKS		9 6	1.
CHAIN OF CUSTODY	NF		2000 EFF 284-0431	ML 10. 285-4231	POF	SWEET DESCRIPTION	Samp Extension	1 BF-Nrich-110906	2 SF-WSich Mogoc	3 SF-SSich Monoc	1 SG. Esch - 110904	1 SF Stockake 1-110906	6 OF. Bld, 7, 10-11090L	7.	•	00 9	REMARKS	stepsion sales and sales a	ALTINODIS DON	RELINIOUS NEED BY



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Results for 61 13014-01

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

WidelpOrder

Project: Buffalo Forge Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 12/21/06 13:31

BF-BLDG 10 Pit-121306 6L13014-01 (Soil) Waste Stream Technology Inc.

Analyte	Result	Reporting Limit	Units	Dilution	n E	Batch	Prepared	Analyzed	An	alysis	Notes
Mercury	ND	0.001	mg/L	1	AL	61907	12/19/06	12/19/06	EPA 74	70A-TCLP	girijakoj
Silver	ND	0 025	"	5	AL	61916		(19.14)	60	010B	
Arsenic	ND	0.045	"	"		**	н			"gradellass	
Barium	0.357	0 025	"	"		"				" long too role	
Cadmium	ND	0 025						9.7		* fone-focusts	
Chromium	ND	0 025	"	**		"				· Sheutos	
Lead	ND	0.075		**			10	9.7			
Selenium	ND	0.095	"	"				u		" ionedomo	
TCLP Vola	tile Organi	ic Compounds b	y EPA	Metho	d 131	1/8260B					
	itile Organi		Editor de la company	Metho g Limit			Batch	Prepared	Analyzed	Analysis	Notes
Analyte			Editor de la company				Batch AL61519	<b>Prepared</b> 12/15/06	Analyzed	Analysis 8260-TCLP	Notes
Analyte vinyl chloride		Result	Editor de la company	g Limit	Units	Dilution					Notes
Analyte vinyl chloride 1,1-dichloroet		Result	Editor de la company	g Limit	Units ug/l	Dilution 1	AL61519	12/15/06	12/15/06		Notes
Analyte vinyl chloride 1,1-dichloroet 2-butanone		Result ND ND	Editor de la company	10 10	Units ug/l	Dilution 1	AL61519	12/15/06	12/15/06	8260-TCLP	Notes
vinyl chloride 1,1-dichloroet 2-butanone chloroform	hene	Result  ND  ND  ND	Editor de la company	10 10 10	ug/l	Dilution  1 """	AL61519	12/15/06	12/15/06	8260-TCLP	Signals TALLS hadoleT
vinyl chloride 1,1-dichloroet 2-butanone chloroform carbon tetraci	hene	Result  ND  ND  ND  ND  ND	Editor de la company	10 10 100 100	ug/l	Dilution  1 """	AL61519	12/15/06	12/15/06	8260-TCLP	Signals TALLS hadoleT
TCLP Vola Analyte  vinyl chloride 1,1-dichloroet 2-butanone chloroform carbon tetracl benzene 1,2-dichloroet	hloride	Result  ND ND ND ND ND ND ND	Editor de la company	10 10 10 100 10	ug/l	Dilution	AL61519	12/15/06	12/15/06	8260-TCLP	Conve

VIII Y CINOTICE	ND	10	ug/i	1	AL01519	12/15/06	12/15/06	8260-1CLP	
1,1-dichloroethene	ND	10	"		1-0"		. 334	Boart   May	
2-butanone	ND	100	"					his site	
chloroform	ND	10			"	"			
carbon tetrachloride	ND	10		abovish	ASH	enellement o	· ·	ari O Tomostin	
benzene	ND	10		no med -		ion *public	989 "	luses "	
1,2-dichloroethane	ND	10							
trichloroethene	ND	10			condition.	orn".	"		
tetrachloroethene	ND	10	"		"	10 "	"		
chlorobenzene	ND	10	"	"			"	"	
1,4-dichlorobenzene	ND	10	"						
Dibromofluoromethane [surr]	101%	(75 - 125)	hullo	Teller I	mlu (*iktoo	W Minde			ables.
1,2-Dichloroethane-d4 [surr]	104%	(66 - 128)		i.	"				
Toluene-d8 [surr]	93.3%	(81 - 118)			"				
Bromofluorobenzene [surr]	98.0%	(85 - 123)		griffin c	"	" ento	"		

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Gamma-BHC (Lindane)	ND	0 040	ug/l	1	AL61913	12/19/06	12/20/06	EPA 8081A	
Heptachlor	ND	0 040	n				"	"	
Heptachlor Epoxide	ND	0.040	"			"			
Endrin	ND	0 040	**	**					
Methoxychlor	ND	0.040	**			,			
Chlordane	ND	0 800		"		"	"		
Toxaphene	ND	0.040			"				

Tetrachloro-meta-xylene [si Decachlorobiphenyl [surr]	urr]	97.0% 90.5%			- 135 - 130				"		n n	
TCLP Herbicides by Analyte	EPA N Result		1311/8 porting			s Di	lution	Batch	Prepared	Analyzed	Analysis	Notes
2,4-D	ND			20 0	ug/l	e anut	50	AL61934	12/19/06	12/21/06	8151	TE COVE
2,4,5-TP (Silvex)	ND			20.0	"			15 mg m 9			chin soft sales	st old
2,4-DCPAA [surr]	92 0%		(24	- 146)	art i	ne de	W 000	"	"	•	"	
TCLP Semivolatile O	rganie	c Comp	ounds	s by E	PAI	Meth	od 1311	1/8270C				
Analyte		Result	Repo	orting L	lmit	Units	Dilution	n Batch	Prepared	Analyzed	Analysis	Notes
pyridine		ND			8	ug/l	1	AL61914		12/19/06	8270C-TCLP	
1.4-dichlorobenzene		ND			8	"	"	Bulled " addr	Under die en	groups.	formes "	
Total cresols (o,m & p)		ND			24	11				"		
hexachloroethane		ND			8				100"0			
nitrobenzene		ND			8					"	city "	
hexachlorobutadiene		ND			8			"		"		
		ND			16	**					TER OF "	
2,4,6-trichlorophenol					8	"		н			"	
2,4,5-trichlorophenol		ND			8		и			"		
2,4-dinitrotoluene		ND						"				
hexachlorobenzene		ND			8	"					GW.	
pentachlorophenol		ND			16				6800		CIM	numetes.
2-Fluorophenol [surr]		29.4%			- 57)			mota 492	ya abna	ogmod sin	sero elitafol	
Phenol-d6 [surr]		18.0%		(15	- 38)		and a	In I pouror	att films	9		
Nitrobenzene-d5 [surr]		67 2%		(45 -	106)					"		
2-Fluorobiphenyl [surr]		74.0%		(45 -	105)			"		"	900	
2,4,6-Tribromophenol [sur	7]	72.9%		(45 -	119)				"		endriteous	
Terphenyl-d14 [surr]		99.8%		(31 -	127)				in.			
Conventional Chem	istry F	arame	ters b	y EPA	Met	thods	3					
Analyte Result	Re	porting L	imit	Units		Dilutio		atch Pro	epared A	nalyzed	Analysis	Notes
pH 8.41 /	/		0.10 p	H Units	3	1	ALE	31931 12	2/18/06	12/18/06	EPA 9045C	
% Solids 82.9			01	%		"	ALE	31901	, ON	12/19/06	% calculation	
<b>Physical Parameter</b>	s by A		STM/E	PA M	etho	ds	211					Mate
Analyte		Result	Repo	rting Li	mit	Units	Dilution	n Batch	Prepared	Analyzed	Analysis	Notes
Ignitability by Flashpoir	nt	>200			(	deg F	1	AL61517		12/15/06	EPA 1010	THEM.
Reactive Cyanide		ND		4	0.0 r	mg/kg	"	AL61930		12/19/06	Section 7.3.3.2	
Reactive Sulfide		40.1		4	0.0	н	"	AL61929			Section 7 3 4 2	2
© 2005 Promium, LLC All ri	inhts rae	erved	619	Balch	, no	Rulic	Strick	nil sitting	post Miner	R	To	p of Page
9 2005 Promium, LLG. All II	Aura 162	0.100										



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Results for \$118014-01RE1

Sevenson Environmental Services 2749 Lockport Road Niagara Falls, NY 14302 Search

Work Order

Project: Buffalo Forge Project Number: Buffalo Forge E916 Project Manager: Jeff Shirley

Reported: 12/21/06 13:35

BF-BLDG 10 Pit-121306 6L13014-01RE1 (Soil) Waste Stream Technology Inc.

Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Analysis	Notes
Aroclor 1016	ND	6.60	ug/kg (dry)	2	AL61813	12/18/06	12/19/06	8082	
Aroclor 1221	ND	6.60	"	"	"	"	"	"	
Aroclor 1232	ND	6.60	"	"	"				
Aroclor 1242	51.0	6.60		"					
Aroclor 1248	ND	6.60		"			п		
Aroclor 1254	26.7	6.60	"	"	"				
Aroclor 1260	25.0	6.60	"			"			
Tetrachloro-meta-xylene [surr]	126%	(61 - 140)	THE REAL PROPERTY OF THE PARTY						
Decachlorobiphenyl [surr]	89 0%	(56 - 136)						"	

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Top of Page

Decommissioning and Demolition Report

### APPENDIX D

**CD-ROM Containing Laboratory Analytical Reports** for PCB Concrete and Soil Samples

BROWN AND CALDWELL