

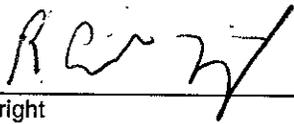
International Truck and Engine
Corporation

**Northeast Parcel
Phase I/II Environmental
Site Assessment and
Remedial Action
Plan/Remedial
Design/Remedial Action
Work Plan**

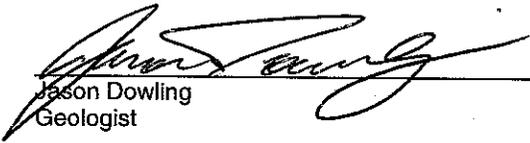
Former Wisconsin Steel Works
Chicago, Illinois

February 2007

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Northeast Parcel
Phase I/II Environmental Site
Assessment and Remedial
Action Plan/Remedial
Design/Remedial Action Work
Plan

Former Wisconsin Steel
Works
Chicago, Illinois
in the matter of: People of
the State of Illinois v. Navistar
International Transportation
Corp., Case Number
96CH0014146, Illinois EPA
I.D. #03165100002

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Executive Summary

ARCADIS has prepared this Northeast Parcel Phase I/II Environmental Site Assessment (ESA), and Remedial Action Plan (RAP)/Remedial Design/Remedial Action Work Plan, on behalf of International Truck and Engine Corporation (International), for environmental activities performed in the Northeast Parcel at the former Wisconsin Steel Works (WSW) facility (site), located at 2701 East 106th Street, Chicago, Illinois. This Northeast Parcel Phase I and II ESA and RAP has been prepared in accordance with the Site Remediation Program (SRP) rules consistent with Title 35 Illinois Administrative Code Sections 740.420, 740.450 (35 IAC 740.420, 740.450) and requirements of the Tiered Approach to Corrective Action Objectives (TACO), as presented in 35 IAC 742. This document presents remedial alternatives selected for various environmental conditions for two areas found within the Northeast Parcel.

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Section 2 describes the environmental activities and remedial approach for the Southern Portion of the Northeast Parcel. As part of the investigation and evaluation of the Northeast Parcel of the former WSW site, ARCADIS conducted a modified Phase I ESA. The modified Phase I ESA was conducted for the property outside of a historic fence line and consisted of historical and regulatory records searches; interviews with persons knowledgeable of the current and former property uses; and a detailed site inspection. Potential recognized environmental conditions (RECs) were identified based upon these reviews and inspections.

After reviewing the potential RECs, ARCADIS conducted a Phase II ESA. A soils investigation in the Southern Portion of the Northeast Parcel was performed due to the historic offsite access by the adjacent property owner. The investigation identified the area of the Southern Portion of the Northeast Parcel that will require remediation. Soil samples collected from this area of the Northeast Parcel contained chemical constituents exceeding Tier 1 remediation objectives (ROs). ROs were developed for the site worker exposure scenario. Through a Construction Worker Caution, the construction worker exposure pathway will be addressed. Constituent concentrations from soils were compared to the established site worker ROs to identify areas for remediation. Due to the localized and shallow extent of soil requiring remediation (280 cubic yards), excavation, and placement in a Soil Management Zone on the former WSW property is the recommended remedial alternative.

Section 3 describes the environmental activities and remedial approach for the East Basin located within the Northeast Parcel. This area was originally introduced in the Remedial Action Plan/Remedial Design/Remedial Action Work Plan– North Tract (RAP/RD/RA Work Plan), dated February 2005. Originally, ARCADIS estimated that approximately 100 tons of soil were impacted with total petroleum hydrocarbon (TPH)

and would be removed from the East Basin area. During the remediation of the East Basin in September 2005, ARCADIS removed approximately 240 tons of stained soil without removing all the observed stained soil in the area. Therefore, further soil investigation activities were conducted to assist in delineating the extent of the impacted material.

The site-specific organic carbon concentration for the Northeast Parcel has been reported at 35,500 milligrams per kilogram (mg/kg). This site-specific organic carbon concentration was presented to the Illinois EPA in the September 2001 Risk Assessment – Office Area, and approved in a letter dated January 22, 2002. In accordance with Title 35 IAC Part 742.215 b) 1), the soil attenuation capacity is established as the site organic carbon concentration, reported as 35,500 mg/kg. ARCADIS characterized and delineated the area via collection of soil samples for comparison to a site-specific oil curve, since there was an overlap between the diesel range organics (DRO) and oil range organics (ORO). This site-specific oil curve created a more representative TPH measurement for the delineation activities at the East Basin.

From the delineation activities, ARCADIS estimates the total volume of stained soil in the East Basin at 25,800 cubic feet or 925 cubic yards (1,400 tons). ARCADIS evaluated remedial options for the non-hazardous soil in the East Basin, and recommends excavation and offsite disposal of the stained soils in the East Basin area of the Northeast Parcel.

Overall, this Phase I/II and RAP addresses the environmental concerns for the two areas found within the former WSW Northeast Parcel with the goal of setting a remedial program that will result in a No Further Remediation determination. The remedial alternatives evaluation presents a remediation program for each area, based on an analysis of effectiveness in meeting the remediation objective. The selected remedies are specifically suited and applicable to the physical and chemical properties at the site. Upon successful implementation of the remedial plan, all known environmental conditions at the Northeast Parcel will have been addressed.

1. Introduction

ARCADIS, on behalf of International, conducted a Phase I/II ESA and developed a RAP for environmental activities in the Northeast Parcel at the former WSW facility (site), located at 2701 East 106th Street, Chicago, Illinois, as shown in Figure 1.

The Northeast Parcel was originally contained within the North Tract, which encompassed the WSW main mill property north of the North Slip. As such, the Northeast Parcel was included in the sitewide investigation, the North Tract Risk

Assessment, and other environmental assessments performed for the WSW property. The North Tract RAP, approved on November 14, 2006, included remedial activities of the basins, as well as other features within the current Northeast Parcel boundary. During implementation of the North Tract remedy, hydrocarbon-impacted soil was observed near the easternmost basin (the East Basin), which had served as a secondary containment basin for an above-ground fuel tank. To isolate the area of hydrocarbon impacts for the purposes of Site Remediation Program (SRP) reporting and No Further Remediation (NFR) determination for the North Tract, the East Basin area was separated from the North Tract and designated as the Northeast Parcel.

The area defined as the Northeast Parcel included the easternmost portion of the North Tract, bounded by South 106th Street to the north, and the Calumet River to the south. It was noted that within this property boundary, a small strip of land adjacent to the Calumet River and part of the Northeast Parcel had not been included in previous investigation or assessment activities for the WSW property. This strip of land (Southern Portion) was approximately 500 feet by 60 feet, and was enclosed by a fence that prevented access to the Southern Portion from the WSW site and that only allowed access from the neighboring property to the east (the former Repusto property). Because other portions of this fence accurately depict the eastern property boundary, it had previously been assumed that the area outside the fence (Southern Portion) was not part of the mill property. Upon determining the actual property boundary, ARCADIS removed the fence separating the Southern Portion from the remainder of the Northeast Parcel, and installed a fence between the Southern Portion and the property to the east (the former Repusto property). Because the Southern Portion had not been included in previous environmental activities at the property, ARCADIS performed Phase I ESA activities on this Southern Portion to evaluate potential environmental conditions as shown in Figure 2.

This report presents environmental activity and recommends remedial action for two areas of the Northeast Parcel: the East Basin and the Southern Portion. Other site activities, including remedial activity in the Northeast Parcel associated with North Tract remedy, are also included.

The sections of the report include a Phase I ESA of the Southern Portion, a review of the Phase II ESA soil investigation for the Southern Portion and the East Basin, and a RAP for the remedial approaches to address concerns in the Southern Portion and the East Basin.

1.1 Site Description

The former WSW site is located in the southeastern portion of Chicago, Illinois in Sections 7 and 18, T37N, R15E of the 3rd Principal Meridian, in Hyde Park Township, Cook County, Illinois, as shown on Figure 1. The address of the site is 2701 East 106th Street, Chicago, Illinois, 60617.

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Currently, the former WSW site comprises the former production and slag areas as well as other smaller parcels, as shown in Figure 3. The former production area is on a land parcel bordered on the north by 106th Street, on the south by 112th Street, on the west by a rail line just east of Torrence Avenue, and on the east by the Calumet River.

The site is zoned “industrial/commercial,” and is situated in a mixed residential, commercial, and industrial area. Residences and commercial establishments are located to the west of the site, across Torrence Avenue. A former coke plant is located to the west and southwest of the former production area. Industrial properties are located to the north and south of the former production area. The former production area is bordered on the east by the Calumet River, beyond which are the former locations of other steel mills. The former production area is currently fenced with security guard surveillance. The public is not allowed access to the site.

This Northeast Parcel Phase I/II ESA and RAP focuses on the subsurface in the Northeast Parcel, shown in Figure 2. The Northeast Parcel is part of the former production area and is bound by 106th Street to the north, the Calumet River to the east, railroad tracks to the west, and the North Tract to the west and southwest. More specifically, the Northeast Parcel and former site operations included the following:

East Portion of the Steel Finishing Area – approximately 13.1 acres, bounded by the Calumet River to the south, and the former Repusto property to the east, the North Tract to the west, and 106th Street to the north.

Raw steel was shaped into steel bars in this area by employing the blooming mill and then the various merchant mills (also known as bar mills). The main units consisted of the rolling mills, soaking pits, and wastewater treatment plant (part of the North Tract). The basins are located in the Northeast Parcel.

1.2 Regulatory History

The former WSW facility has been non-operational since 1982 and most of the on-site structures have been demolished and removed from the site. Initial mill demolition, removal, and environmental investigation activities were managed and directed by the

United States Department of Commerce Economic Development Administration (EDA) and the United States Army Corp of Engineers (USACE). EDA and International became beneficiaries of the Wisconsin Steel Trust (WST), which was created in 1981 when the then owner of the site, Envirodyne, Inc., filed for bankruptcy.

In September 1994, International entered into a Settlement Agreement with EDA (International 1994) in which International, among other things, assumed responsibility for addressing all site environmental cleanup needs. The agreement required International to enter into a state court enforceable consent order and enroll the former WSW site in the Illinois SRP. Accordingly, International entered into a Consent Order with the State of Illinois in December 1996 (Navistar 1996) to define International's participation in the Illinois SRP regarding the former WSW site and to provide a framework for the relationship between the Illinois Environmental Protection Agency (Illinois EPA) and International in the program. The Consent Order requires cleanup to industrial standards.

1.3 Field Activities and Documentation

The primary investigations completed at the site to date include the following: (1) a Resource Conservation and Recovery Act (RCRA) closure investigation performed by Dames & Moore (Dames & Moore 1987); (2) sampling conducted in support of demolition by Wang Engineering, Inc. (Wang Engineering 1990) of Itasca, Illinois; (3) Site Characterization Interim Report conducted by the USACE (USACE 1994); and (4) the Phase II Remedial Investigation (RI) Report prepared for International by ARCADIS (ARCADIS 2001a). Details regarding these various investigations are provided in the Phase II RI Report.

During the period from 1984 to 1987, various remedial actions were undertaken by a number of parties, as described in the Dames & Moore (1987) RCRA Closure Plan. These remedial actions included removal of asbestos, polychlorinated biphenyl (PCB)-containing transformer oils, 55-gallon drums and their contents, lead pellets, virgin sulfuric acid (stored in on-site underground storage tanks [USTs]), light oils (benzene, toluene, and xylenes) and the USTs in which they were stored, dust piles, eleven sealed radiation sources, and two X-ray machines.

In 1992, the USACE performed a removal action (Rapid Response) at the site. These tasks are described in the "Final Report for a Rapid Response and Hazardous Waste Removal at the Wisconsin Steel Trust Property" (USACE 1992). The Phase II RI Report (ARCADIS 2001a) provides a summary description of the removal actions.

In July of 1993, OHM Remediation Services Corporation (OHM) began the remediation of the Mill 6. OHM remediation activities performed at Mill 6 were completed in the spring of 1994. Specific tasks included: the removal of various oil sludges, debris, soil, and metal shavings; disposal of 14 drums of waste from the truck-loading warehouse; removal of approximately 2,500 feet of asbestos-containing piping; oil skimming in the scale pit area; and grease removal at selected locations (OHM 1994).

In February 1994, USACE completed the Site Characterization Interim Report that synthesized previous investigations and also included an assessment of 25 groundwater monitoring well sampling results, 52 soil borings with soil analyses, analytical results of surface water and surface soil samples, and a physical investigation of remaining foundations, pits, and tunnels.

Pertinent additional activities and documentation completed under the direction of International by ARCADIS from 1997 to the present include the following:

Phase II RI Work Plan - August 1998: The Phase II RI Work Plan was prepared to guide the Phase II RI activities to be conducted at the former WSW site. The primary objective of the Phase II RI was to complete the characterization of the type, magnitude, extent, and migration pathways of contamination attributable to past operations at the former WSW site. (ARCADIS 1998a)

Plan Acquisition and Review Technical Memorandum - September 17, 1998: This technical memorandum reported the results of the Plan Acquisition and Review activity, which consisted of reviewing plans of the former WSW site and obtaining those deemed pertinent to the Phase II RI and potential remediation activities. The drawings were primarily reviewed for piping, USTs, and underground structures. This activity also provided a comprehensive background of the site operations, investigations performed to-date, and the locations of particular facilities.

Preliminary Risk Assessment - October 1998: The Preliminary Risk Assessment (Preliminary RA) was prepared to focus future investigation activities detailed in the Phase II RI Work Plan for the former WSW site. This document incorporated the rules of the Illinois EPA SRP (35 Illinois Administrative Code [IAC] 740) and Tiered Approach to Corrective Action Objectives (TACO) (35 IAC 742). The Preliminary RA provided a Tier 1 evaluation of site data through a comparison of constituent levels in soil and groundwater to the preliminary ROs and also identified specific compounds where additional information was required, such as chromium and arsenic. (ARCADIS 1998b)

Chromium Sampling Technical Memorandum - October 5, 1998: This Technical Memorandum presented the procedures, evaluation, and conclusions regarding the

concentrations of hexavalent chromium at the former WSW site, based on the On-Site Chromium Sampling.

October 1997 Groundwater Sampling Results Technical Memorandum

(Groundwater Tech Memo) - October 16, 1998: This technical memorandum reported the results of the four previous groundwater sampling events, evaluated the results, and provided recommendations for a monitoring well network at the former WSW site. This comprehensive assessment of historical groundwater monitoring well sampling and hydrogeological conditions at the site provided the basis for future groundwater investigations and risk assessment with respect to site groundwater.

Arsenic Background Sampling Results and Analysis Technical Memorandum -

November 19, 1998: This technical memorandum presented the evaluation and conclusions regarding the concentrations of arsenic detected in area background soils near the former WSW site. In conjunction with the Arsenic Addendum, dated February 3, 1999, a preliminary screening level of 18 milligrams per kilogram (mg/kg) was agreed to for site activities.

UST Investigation - June 2, 1999: ARCADIS completed a UST Investigation task at the former WSW site. The UST field investigation was completed between September 30 and October 8, 1998. The technical memorandum describes the physical and geophysical investigations conducted to identify USTs at the site.

Building Demolition Technical Memorandum - June 2000: The report documents the asbestos removal and demolition of the shipping building, security building, and Mill 6 building on the main property, performed in January through May of 2000. The eastern portion of Mill 6 was located in the Northeast Parcel.

UST Removal Technical Memorandum - June 28, 2000: This report documents the activities associated with the excavation, removal, and disposal of the remaining nine USTs located at the site. All USTs were removed, any liquids were pumped, and the excavation was backfilled according to an approved work plan.

Phase II RI Report – June 2001: The Phase II RI Report integrates and organizes the sum of site information into a unified, comprehensive characterization of the site. The primary purpose of this document was to further characterize the type, magnitude, extent, and migration pathways of contamination attributable to past operations at the former WSW site. The site was characterized through the review of historical records and reports, the completion of a site well survey, the evaluation of historical aerial photographs, plan acquisition and review, the completion of a hot spot demarcation program, a debris pile assessment, installation of groundwater monitoring wells, and the

collection of soil, free-product, and collection and analysis of groundwater samples. The soil investigation activities included over 300 soil borings and over 800 soil sample analyses of selected constituents. The remedial groundwater investigation included the installation of 23 additional monitoring wells and one round of groundwater sampling.

Mill 6 Soil Investigation Technical Memorandum - March 28, 2002: This report documents the collection, analysis, and results of soil samples collected from three soil boring locations within the footprint of the former Mill 6 building. The samples were collected to assess the subsurface conditions following demolition of Mill 6. The results indicated that the soil conditions are consistent with the conditions observed nearby.

Groundwater Compliance Demonstration Technical Memorandum - May 9, 2002: This memorandum presented the derivation of a dilution factor for the evaluation of risk associated with groundwater from the former WSW site discharging into the Calumet River. The dilution factor correlated a groundwater concentration at the river bank to a resultant surface water concentration in the river using a flow balance equation.

Groundwater Technical Memorandum (Part II) - May 10, 2002: The 2002 Groundwater Technical memorandum presents and evaluates five rounds of groundwater sampling data for all areas of the property with the exception of the Coke Plant Area. The analysis uses the TACO approach, comparing the groundwater results to Tier 1 (Class II) objectives, and then applying Tier 2 modeling equations to data that exceed the Class II standards. Using the dilution factor and surface water quality criteria, the impacts to the Calumet River are also predicted. The report concludes that, with the exception of the Coke Plant Area, the groundwater at the former WSW site does not exceed ROs.

Foundation Technical Memorandum - June 2002: The Foundations report evaluated the structure and contents (debris, sediment, sludge, and/or liquid) of the WSW foundations, consisting of basements, tunnels, pits, and former storage tank containment structures. Field observations from the USACE and ARCADIS investigations identified a total of eighty-eight foundations across the entire site. Those foundations containing soil, sludges, or sediments were sampled. The foundation solids were sampled for characterization and/or disposal parameters and were compared to appropriate ROs. Based on the visual observations and sampling conducted on foundation solids, the volume of total solid waste in the foundations was estimated.

Revised Risk Assessment Report - North Tract - February 2004. The Revised Risk Assessment Report - North Tract was prepared for the North Tract of the former WSW site to evaluate potential human health risks associated with constituents detected in environmental media (soil, basin sludge and tar, and foundation solids) at the site. The

previous risk assessment was submitted to the Illinois EPA in January 2003, and comments received from the agency were incorporated into this revised risk assessment (ARCADIS 2003).

Remedial Action Plan/Remedial Design/Remedial Action Work Plan - North Tract - February 2005. Groundwater impacts in the North Tract were demonstrated to meet ROs established for the site. Solids present in foundations, surface soil, basins, and debris piles had various levels of chemical constituents exceeding Illinois Tier 1 ROs. Constituent concentrations from foundation solids, surface soil, basin solids, and debris piles were compared to the established site worker ROs to identify areas in need of remediation, based on the risk assessment (ARCADIS 2003). The surface soil was determined to be within the ROs and therefore did not require remedial activities. The RAP/RD/RA Work Plan identified the areas that required remediation. The RAP/RD/RA Work Plan was submitted to the Illinois EPA in July 2004 and approved by the Illinois EPA on February 4, 2005 (ARCADIS 2005).

North Tract Remedial Completion Report - June 2006. The North Tract Remedial Completion Report (RACR) summarized the remedial actions completed for various environmental conditions at the North Tract. The RACR detailed the specific actions taken for each foundation, debris pile, and the pickle liquor line. International decided to separate the basins from the North Tract; therefore, the RACR did not summarize the remedial activities performed in the Northeast Parcel. The remaining remedial activities completed in the modified North Tract were consistent with the North Tract RAP/RD/RA Work Plan. Additionally, International asked that institutional controls be recorded on the property deed for the North Tract. The North Tract RACR addressed the environmental conditions of the former WSW North Tract and fulfilled the requirements for obtaining a NFR determination. The North Tract RACR was submitted to the Illinois EPA in June 2006 and the Illinois EPA issued an NFR letter on November 14, 2006 (ARCADIS 2006).

1.4 Sections of Report

This report is presented in six sections, consistent with the requirements of 35 IAC 740.420(a) and (b) and 35 IAC 740.450, which are described below:

Section 1 – Introduction

Section 2 – Phase I ESA – Southern Portion

Section 3 – Phase II ESA – Southern Portion and East Basin

Section 4 – Remedial Action Plan – Southern Portion and East Basin

Section 5 – Summary and Conclusions

Section 6 – References

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Consistent with SRP requirements, ARCADIS is requesting Illinois EPA's review and evaluation of this report by submittal of the DRM-2 Form, included in Appendix A.

2. Phase I Environmental Site Assessment – Southern Portion

As part of the investigation and evaluation of the Northeast Parcel of the former WSW site, ARCADIS conducted a modified Phase I ESA. The modified Phase I ESA was conducted for the Southern Portion of the Northeast Parcel (outside of the former fence line) and consisted of historical and regulatory records searches, interviews with persons knowledgeable of the current and former property uses, and a detailed site inspection. Additionally, the neighboring property, the former Repusto property at 3033 East 106th Street, was evaluated. Potential recognized environmental conditions (RECs) were identified based upon these reviews and inspections.

2.1 Area Description

The Southern Portion (Subject Property) of the Northeast Parcel is located along the Calumet River and outside of the former fence line between 106th Street and 108th Street, approximately ¼ mile east of South Torrence Avenue in the City of Chicago, Cook County, Illinois, as shown in Figure 4. The Southern Portion of the Northeast Parcel is in a primarily industrial area in the southern section of the City of Chicago between Interstate 90 (I-90) and Interstate 94 (I-94). The properties surrounding the Subject Property consist of industrial properties and commercial businesses.

The Subject Property is a long, narrow rectangular parcel of land of approximately 0.6 acres. The site is zoned "industrial/commercial" and is situated in a mixed residential, commercial, and industrial area. The grounds surrounding the Subject Property consist of highly vegetated areas and service roads located in the Northeast Parcel of the former WSW site and the Calumet River. The Subject Property is immediately bounded to the north by the remainder of the Northeast Parcel and East 106th Street. North of East 106th Street, Beemsterboer, a manufacturing and industrial supply importer, maintains a bulk terminal for asphalt, including crushing and screening, and trucking and excavation. The site is bound on the west by the North Tract, on the south by the Calumet River, and on the northeast by 3033 East 106th Street, formerly the Repusto property. Historically, the Repusto property had access to the Subject Property.

The Subject Property was evaluated for RECs based upon its relation to the Repusto property and reviews of historical aerial photographs, Sanborn maps, and historical topographical maps, as well as conversations with knowledgeable persons.

2.2 Site History

This site history has been compiled from various sources of information, including aerial photographs, historical maps, and a phone interview with the current owner of the former Repusto property at 3033 East 106th Street.

2.2.1 Site Ownership History

The Subject Property has had several different owners throughout its history. Edwin Warfield privately owned the site until 1900 when the Calumet Western Railway Company assumed ownership of the property. Continental Illinois Bank acquired the property in 1981 as a Deed-in-Trust. In 1992, the property was acquired by American National Bank as a Trustees Deed. International is currently the 100 percent beneficiary of the Subject Property trust. A copy of the chain-of-title report was provided in the Phase I Environmental Site Assessment, Parcel W, prepared for International in 2000 by ARCADIS.

2.2.2 Historical Aerial Photo and Sanborn Map Review

In order to obtain historical information related to the Subject Property, ARCADIS acquired historical aerial photographs and fire insurance maps.

The historical aerial photographs were obtained from the Northeastern Illinois Planning Commission of Chicago, Illinois, Abrams Aerial Survey of Lansing, Michigan, Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, and Geonex of Des Plaines, Illinois. ARCADIS obtained a 1958, 1961, 1963, 1970, and 1988 aerial photograph from Geonex, a 1991 aerial photograph from the Northeastern Illinois Planning Commission, a 1997 aerial photograph from Abrams Aerial Survey, and a 1952, 1958, 1973, and 1988 aerial photograph from EDR. The historical aerial photographs are included as Appendix B.

The aerial photographs used to evaluate the Subject Property are summarized below.

- The 1952 and 1958 aerial photographs indicate the Subject Property is vacant, with no structures, roads, or other surface improvement evident. The Subject Property appears to be covered in grass, and no trees or bushes are apparent. No barges are present near the Subject Property.

- The 1961 aerial photograph indicates the Subject Property is vacant. A railroad staging area with railroad cars is located north of the Subject Property. No other structures, roads, or other surface improvement are evident. No barges are present near the Subject Property.
- The 1963 aerial photograph indicates the Subject Property is vacant. The railroad staging area is still in place. Some bushes or trees are evident, but no surface improvements are apparent. No barges are present near the Subject Property.
- The 1970 aerial photograph depicts containers arranged in six rows running from the northwest to the southeast across the Subject Property. It is unclear what the containers are or what they may contain. The rows of containers are located on the Subject Property and the Northeast Parcel/North Tract of the former WSW property, and are separated from the Repusto property by a straight north/south line, although it cannot be determined if a fence existed. These containers are a potential REC. No other surface improvements or vegetation are apparent. No barges are present near the Subject Property.
- The 1973 aerial photograph indicates the Subject Property is vacant. No containers or structures are apparent. No surface improvements are noted, and vegetation appears light. No barges are present near the Subject Property.
- The 1988 aerial photograph indicates the Subject Property is vacant. No containers or structures are apparent. No surface improvements are noted, and vegetation appears light to non-existent. No barges are present near the Subject Property.
- The 1991 aerial photograph indicates the Subject Property is vacant. Some bushes and/or trees are apparent, as is a road running from the northeast to the southwest parallel to the Calumet River. No other surface improvements are evident. No barges are present near the Subject Property.
- The 1997 aerial photograph indicates the Subject Property is connected to the former Repusto property by a road. The Subject Property appears to contain storage containers such as railroad cars or semi trailers, which are parallel with the road from the Repusto property. Storage containers are evident on the southwest portion of the Subject Property, as are some piles of material near the river bank. Similar storage containers are evident on the Repusto property. No containers appear on areas of the Northeast Parcel outside the Southern Portion, which contains only vegetation and two large buildings. The storage containers and piles of material present on the Subject Property are potential RECs. Some

large trees and/or bushes are apparent on the Subject Property near the containers, along the bank of the river, and across the Northeast Parcel. No barges are present near the Subject Property.

2.2.3 Sanborn Map Review

The fire insurance maps were obtained from Sanborn, covering 1913, 1946, 1947, 1950, 1976, 1987, 1989, and 1992. The fire insurance maps used to evaluate the Subject Property are summarized below and are included in Appendix C.

- The 1913, 1946, 1947, 1950, 1976, 1987, 1989, and 1992 Sanborn fire insurance maps indicate the Subject Property is vacant. The 1989 and 1992 maps indicate a vacant building is located to the north on the North Tract of the WSW property.

2.2.4 Historical Topographic Map Review

In order to obtain historical information related to the Subject Property, ARCADIS acquired historical topographic maps from EDR. Six topographic maps were obtained, covering 1901, 1953, 1960, 1965, 1991, and 1997. The topographic maps used to evaluate the Subject Property are summarized below and are included in Appendix D.

- The 1901 topographic map depicts the Subject Property as undeveloped land. No access roads or city streets have been constructed on the site; East 106th Street to the north and the Chicago and Western Indiana Railroad to the west are present.
- The 1953 topographic map depicts the Subject Property as undeveloped land. A railroad track spur and building are located southwest of the Subject Property, north of the Rock Island Slip. No roads or city streets have been constructed on the site; East 106th Street to the north and the railroad tracks to the west are present.
- The 1960 and 1965 topographic maps depict the Subject Property as undeveloped land. There are railroad tracks present to the west and southwest. A railroad spur consisting of two tracks runs east from the tracks. A building is also located southwest of the Property, north of the Rock Island Slip. No roads or city streets have been constructed on the site; East 106th Street to the north and the railroad tracks to the west are present.
- The 1991 and 1997 topographic maps depict the Subject Property as undeveloped land. The railroad track spur and building are no longer on the map

southwest of the Subject Property. No roads or city streets have been constructed on the site; East 106th Street to the north and Torrence Avenue to the west are present.

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2.3 Site Inspection

On March 16, 2006, ARCADIS inspected the Subject Property. The Subject Property contained surface debris consisting of scrap asphalt, concrete, and metal. It was vacant with trees and minimal vegetation present as shown in Photograph 1. It also contained a former concrete foundation located on the Southern Portion of the Subject Property. The Subject Property is currently vacant. There are no building structures at the Subject Property. The former fence has been removed. The Subject Property is lightly vegetated with grass and trees ranging in height from less than a foot to 10 or more feet. A berm that appears to be constructed of soil runs along the eastern portion of the Subject Property, along the Calumet River bank. The berm contains surface debris consisting of scrap asphalt, concrete, as well as trees. A newly installed chain link fence separates the Subject Property from 3033 East 106th Street, the former Repusto property, as shown in Photograph 2. The site photographs are included as Appendix E.

2.4 Interview with Knowledgeable Persons and Neighboring Property Assessment

On March 24, 2006, Ms. Ali Senn of ARCADIS interviewed Mr. Larry Adelman of Patriot Developers, the current owner of 3033 East 106th Street. Mr. Adelman purchased the Repusto property in 2000. From 2000 to 2002, the property was leased to GE Capital for trailer storage of approximately 400 trailers and temporary storage of City of Chicago trucks from Stony Island. The trailers and trucks underwent minor repairs in the onsite building before storage. According to Mr. Adelman, five to ten trucks were usually onsite for approximately two months. The trailer and truck repair and storage are a potential offsite REC.

In September 2005, the Repusto building was restored and repaired with cosmetic repairs. Mr. Adelman indicated no above-ground storage (ASTs) or gasoline storage tanks were present on the Repusto property.

2.5 Phase I ESA Summary

As part of the investigation and evaluation of the Northeast Parcel of the former WSW site, ARCADIS conducted a modified Phase I ESA. The modified Phase I ESA was conducted for the property outside of the historic fence line and consisted of historical and regulatory records searches; interviews with persons knowledgeable of the current and former property uses; and a detailed site inspection. Additionally the neighboring property, the former Repusto property at 3033 East 106th Street was evaluated.

Based upon the results of the modified Phase I ESA, the following potential RECs were identified and subsequently discussed.

- The 1970 aerial photograph depicts containers arranged in six rows running from the northwest to the southeast across the Subject Property. It is unclear what the containers are or what they may contain. Similar containers are not located on the Repusto property; therefore it can be assumed the containers are present from WSW related activities. Because the container storage location extended into the main mill property, these containers have been evaluated in past Phase I ESA reports and/or investigations, and are therefore not considered a new REC.
- The 1997 aerial photograph indicates the Subject Property is vacant and connected to the Repusto property by a road. The site appears to contain storage containers such as railroad cars or semi trailers. Another storage container is evident on the southwest portion of the Subject Property, as are some piles of material near the river bank. The storage containers are evident on the Repusto property, but do not appear on the Northeast Parcel, which contains only vegetation and two large buildings. It is unknown what activities occurred on the Repusto property during this time. Based upon this, these storage containers and piles of material are considered a new REC.
- From 2000 to 2002, the property was leased to GE Capital for trailer storage of approximately 400 trailers and temporary storage of City of Chicago trucks from Stony Island. The trailers and trucks underwent minor repairs in the onsite building before storage. Repusto had historic access to the site; therefore, this is considered a potential REC.

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Based on the potential RECs, ARCADIS conducted soil sampling at the Subject Property due to the historic offsite access of the adjacent property owner.

3. Phase II Environmental Site Assessment – Southern Portion and East Basin

This section summarizes the soil investigation activities performed at the Southern Portion and the East Basin of the Northeast Parcel. Soil borings were performed in both areas and additional trenching investigation activities were performed in the East Basin.

3.1 Southern Portion Soil Investigation and Analytical Results

The following section describes the soil investigation activities completed on the Southern Portion of the Northeast Parcel at the former WSW site.

3.1.1 Southern Portion Soil Investigation Activities

The soil investigation comprised two events. The first soil investigation event took place in July 2006 and the second investigation event took place in November 2006. Each investigation activity is discussed in detail in the following sections.

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3.1.1.1 July 2006 Southern Portion Soil Investigation Activities

On July 6, 2006, ARCADIS performed three soil borings (NPREC-1, NPREC-2, and NPREC-3) in this area, as shown in Figure 4. The soil borings were performed consistent with past characterization work performed on the main property. Three soil samples were collected from each soil boring at the following depth intervals: 0 to 0.5 feet, 0.5 to 3 feet, and above the water table (at a maximum depth of 8 feet). Samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) (Method 8260B), TCL semivolatile organic compounds (SVOCs) (Method 8270C), TCL PCBs (Method 8081A/8082), and target analyte list (TAL) metals (Method 6010B and 7470A).

Field personnel logged the soil borings, as shown in Appendix F. Samples were placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures to Severn Trent Laboratories located in Savannah, Georgia.

Due to Tier 1 RO exceedances detected in the soil samples collected in July 2006, ARCADIS remobilized to the Southern Portion in November 2006 to delineate the areas of exceedance for SVOCs and assess toxicity characteristic leaching procedure (TCLP) metals concentrations.

3.1.1.2 November 2006 Southern Portion Soil Investigation Activities

On November 7, 2006, ARCADIS performed eight soil borings (NPREC-4 through NPREC-11) in the Southern Portion, as shown in Figure 4. The soil borings were performed consistent with past characterization work performed on the main property. Soil samples were collected from each soil boring at different depth intervals. Soil samples NPREC-4 through NPREC-8 were analyzed for TCL SVOCs (Method 8270C) or TCLP lead (Method 6010B), based on comparison of the results from the July 2006 sampling event to site screening levels. Soil samples NPREC-9 through NPREC-11 were collected and not analyzed.

Field personnel logged the soil borings, as shown in Appendix F. Samples were placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures to Severn Trent Laboratories located in Savannah, Georgia.

3.1.2 Southern Portion Analytical Results

This section presents the ROs and soil investigation results at the Southern Portion of the Northeast Parcel at the former WSW site.

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3.1.2.1 Remediation Objectives

This section reviews the ROs used to evaluate the analytical data collected during the site investigation activities.

3.1.2.1.1 Site Specific Remediation Objectives

The results from the soil samples were compared to the Illinois EPA TACO Tier 1 ROs and site-specific Tier 2 and 3 ROs for Industrial/Commercial exposure by routes. This approach was approved by the Illinois EPA in the North Tract Remedial Action Plan/Remedial Design/Remedial Action Work Plan dated July 2004 and approved by the Illinois EPA on February 4, 2005. Collectively, the TACO Tier 1 ROs and site-specific Tier 2 and 3 ROs are known as the site ROs, as shown in Tables 1, and 3 through 5. The TACO evaluation does not include comparison to Construction Worker ROs (since a construction worker caution will be placed on the property) or Soil Component to Groundwater ROs (based on previous groundwater assessments). Table 3 also includes Chicago background concentrations for selected poly aromatic hydrocarbons (PAHs), for comparison. For the compound benzo(a)pyrene, the Chicago background concentration is greater than the Tier 1 ROs; therefore, the Chicago background concentration is used as the RO.

3.1.2.1.2 Total Chromium Remediation Objective

ARCADIS also performed a speciation analysis when assessing the levels of chromium in the soil. As presented in the Revised Risk Assessment Report – North Tract dated February 2004, the chromium concentration can be speciated into hexavalent and trivalent chromium in the soil, as follows:

$$\text{Assumed fraction of hexavalent chromium} = (12 \text{ mg/kg}) / (830 \text{ mg/kg}) = 0.0145$$

$$\text{Assumed fraction of trivalent chromium} = 1 - 0.0145 = 0.9855.$$

Therefore, when evaluating the measured chromium concentrations at the Southern Portion, the fraction of hexavalent chromium, not the total chromium concentration, is compared to the Illinois EPA Tier 1 RO.

3.1.2.1.3 TCLP Evaluation

According to Section 1.2 of SW846 Method 1311 (TCLP), "If a total analysis of the waste demonstrates that individual analytes are not present in the waste, or they are present but at such low concentrations that the appropriate levels could not possibly be exceeded, the TCLP need not be run." Appendix II of Title 40 Code of Federal Regulations Part 261 (40 CFR 261) is used to determine if a waste exceeded the RCRA hazardous waste toxicity criteria by the TCLP extraction procedure (Method 1311), which evaluates leachable concentrations. Comparing the leachable concentrations of analytes listed in Table 1 of 40 CFR 261.24 (RCRA Analytes) to the regulatory level would determine if a waste exceeded the hazardous waste criteria for toxicity. Method 1311 prescribes a twenty-fold dilution of the solid (the weight of the extraction fluid is twenty times the weight of the solids sample); therefore, the TCLP concentration would be one twentieth of the total concentration of the solids sample, conservatively assuming complete recovery of the analyte. Therefore, a comparison of the characterization sampling (TCL/TAL) results to twenty times the regulatory TCLP level (for RCRA analytes) provided a preliminary disposal screening. If the characterization analyte concentration was less than twenty times the regulatory TCLP level (for RCRA analytes), then the material did not exceed the hazardous waste criteria for toxicity.

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Soil Sample NPREC-3 at the 6.5 to 7.5 feet below land surface (bls) interval had a concentration of total lead at 2,500 mg/kg which is greater than twenty times the hazardous waste threshold and an additional sample was collected.

Additionally, Soil Sample NPREC-3 at the 0.5 to 3.0 feet bls interval had a concentration of total chromium at 1,600 mg/kg which is greater than twenty times the hazardous waste threshold. However, as presented in the Technical Memorandum, Round 5 Groundwater Sampling Results for the Former Wisconsin Steel Works (ARCADIS 2002), and approved by the IEPA on April 23, 2004, chromium measured at 1,900 mg/kg had a corresponding TCLP concentration of less than 0.2 milligrams per liter (mg/L). Therefore, since the highest concentration of measured chromium in the Southern Portion was 1,600 mg/kg, it was not necessary to collect a TCLP sample for comparison to the hazardous waste threshold.

3.1.2.2 July 2006 Southern Portion Analytical Results

Soil Sample NPREC-1 from the 0.0 to 0.5 foot below land surface (bls) interval exceeded the TACO ROs for benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and total chromium. However, the fraction of hexavalent chromium was below the TACO RO. Soil Sample NPREC-1 from the 0.5 to 3.0 feet bls interval exceeded the ingestion ROs for benzo(a)anthracene,

benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene. Soil Sample NPREC-1 from the 3.0 to 4.0 feet bls interval exceeded the ingestion RO for benzo(a)pyrene.

Soil Sample NPREC-2 from the 0.0 to 0.5 foot bls interval exceeded the TACO inhalation RO for total chromium. However, the fraction of hexavalent chromium was below the TACO RO. Soil Sample NPREC-2 from the 0.5 to 3.0 feet bls interval exceeded the RO for total chromium. However, the fraction of hexavalent chromium was below the TACO RO. Soil Sample NPREC-2 from the 6.5 to 7.5 feet bls interval exceeded the ingestion ROs for benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

Soil Sample NPREC-3 from the 0.0 to 0.5 foot bls interval had no exceedances. Soil Sample NPREC-3 from the 0.5 to 3.0 feet bls interval exceeded the TACO RO for total chromium. However, the fraction of hexavalent chromium was below the TACO RO. Soil Sample NPREC-3 from the 6.5 to 7.5 feet bls interval exceeded the ROs for benzo(a)pyrene, total chromium, arsenic, and lead. However, the fraction of hexavalent chromium was below the TACO RO.

The laboratory report for this sampling event is included as Appendix G.

Due to the proposed site worker institutional control for the Northeast Parcel, the assumption that site workers will only be exposed to the upper three feet of soil, and the TACO regulations indicating that the ingestion pathway ROs need only be considered for the upper three feet of soil, the soil exceedances deeper than three feet in Soil Sample NPREC-2 from the 6.5 to 7.5 feet bls interval and Soil Sample NPREC-3 from the 6.5 to 7.5 feet bls interval no longer posed a risk and therefore were excluded from further analysis.

3.1.2.3 November 2006 Southern Portion Analytical Results

ARCADIS then collected delineation samples (NPREC-5 through NPREC-11) for SVOC exceedances related to the following intervals:

- Soil Sample NPREC-1 from the 0.0 to 0.5 foot bls interval, and
- Soil Sample NPREC-1 from the 0.5 to 3.0 feet bls interval.

Additionally, Soil Sample NPREC-3 from 6.5 to 7.5 feet bls had total lead concentrations greater than 20 times the hazardous waste threshold, therefore a TCLP lead sample was collected from the same location, and designated as Soil Sample NPREC-4. The TCLP

lead soil sample collected from NPREC-4 was found to be non-hazardous for leachable lead (Table 2). Soil samples NPREC-5 through NPREC-8 from the November 2006 soil sampling event did not exceed the TACO ROs for SVOCs (Table 3). Soil samples NPREC-9 through NPREC-11 were not analyzed based on the results from NPREC-5 through NPREC-8.

The laboratory report for this sampling event is included as Appendix G.

3.1.2.4 2006 Southern Portion Soil Investigation Summary

Due to the proposed site worker and soil management institutional controls for the Northeast Parcel, the soil exceedances deeper than three feet no longer posed a risk and therefore were excluded from further analysis. ARCADIS then evaluated the extent of the shallow soil exceedances, defined as those less than 3 feet deep at the Southern Portion.

From the July and November 2006 delineation activities, ARCADIS estimates the horizontal area with soil exceedances for ingestion ROs for benzo(a)anthracene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(a)pyrene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene at 2,500 square feet (ft²), as shown in Figure 5. Based on the proposed site worker institutional control, a depth of 3 feet was used to calculate a volume of impacted soil. Therefore, assuming that the impacted soil thickness is on average 3 feet thick, the total volume of impacted soil in the Southern Portion is estimated at 7,500 cubic feet or 280 cubic yards (450 tons).

3.2 East Basin Soil Investigation and Analytical Results

The following sections describe the soil investigation activities completed on the East Basin of the Northeast Parcel at the former WSW site. The location of the East Basin is shown on Figure 6.

3.2.1 East Basin Background and Remediation Objectives

In the Remedial Action Plan/Remedial Design/Remedial Action Work Plan – North Tract, dated February 2005, ARCADIS estimated that approximately 100 tons of soil were impacted and would be removed from the East Basin area. During the remediation of the East Basin in September 2005, ARCADIS removed approximately 240 tons of stained soil without removing all the observed stained soil in the area. Because ARCADIS encountered more stained soil than estimated in site investigation activities, ARCADIS performed additional research into the maps and surveys of the property to assist in finding the source of this material. The former AST that resided within the East Basin

was the only identified potential source. Therefore, in September and October 2005, test trenches were excavated to assist in delineating the extent of the impacted material, as shown in Figure 6.

During the trenching activities, when the stained soil was disturbed, residual oil was released from the soil pore space and accumulated on the exposed water in the trench. ARCADIS removed the accumulated oil, backfilled the trenches with the soils displaced from the trenching activities, and on October 25, 2005 collected a stained soil sample (EB-B-1) for soil attenuation and saturation analyses. No free product was observed in wells in the area.

The laboratory analytical report for the soil saturation analysis showed that the concentrations for the individual chemicals were below their corresponding Illinois EPA saturation limit standards. The laboratory analytical report for the soil attenuation analysis showed that the total petroleum hydrocarbon (TPH) diesel range organics (DRO) and oil range organics (ORO) were measured at 15,000 mg/kg and 24,000 mg/kg, respectively. These data are included in Table 6. The laboratory report is provided in Appendix J. The site-specific organic carbon concentration for the North Tract has been reported at 35,500 mg/kg. This site-specific organic carbon concentration was presented to the Illinois EPA in the September 2001 Risk Assessment – Office Area (ARCADIS 2001b), and approved in a letter dated January 22, 2002. In accordance with 35 IAC 742.215 b) 1), the soil attenuation capacity is established as the site organic carbon concentration, reported as 35,500 mg/kg. Therefore, ARCADIS analyzed the soil samples using the standard method for TPH via DRO and ORO. However, when these two TPH values are added together, they exceed the site-specific organic carbon concentration. Since there is overlap between carbon chains when analyzing DRO and ORO separately, ARCADIS characterized and delineated the area via collection of soil samples for comparison to a site-specific oil curve. This site-specific oil curve created a more representative TPH measurement for the delineation activities at the East Basin, as discussed in Section 3.2.2.

3.2.2 East Basin Soil Investigation

This section presents the soil investigation activities performed at the East Basin. The soil investigation activities comprised two events. The first soil investigation event took place in March and April 2006 (horizontal soil delineation). The second soil investigation event took place in July 2006 (vertical soil delineation). The location of the soil borings in this area are shown on Figure 7.

3.2.2.1 March and April 2006 (Horizontal Soil Delineation) Soil Investigation Activities

On March 16, 2006 and April 20, 2006, ARCADIS performed horizontal soil delineation activities. Twenty soil borings were completed (NPSB-1 through NPSB-15, NPSB-3E1, NPSB-3N1, NPSB-3W1, NPSB-4E1, and NPSB-7S1). Field personnel logged the soil borings and collected a soil sample from each soil boring location. The intervals at which the soil samples were collected were based on three conditions: (1) if stained soils were observed, (2) if no stained soil was observed within the soil boring, a soil sample was collected above the water table (approximately 7 feet bls) or (3) at the interval where odors or elevated photoionization detector (PID) readings were observed. Soil borings were completed at a maximum depth of 10 feet. After visually identifying the presence or absence of stained soils, ARCADIS field personnel performed additional soil borings by stepping in or out to better delineate the stained soils. The soil boring locations are shown on Figure 8. The soil boring logs are included as Appendix H.

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The soil samples were collected for analysis of TPH using the site-specific oil curve collected from the site and analyzed by Method 8015 at STAT Analysis in Chicago, Illinois. Samples were placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures via site personnel to STAT Analysis.

Soil sampling was performed via a specific direct-push method. The macrocore piston rod soil sampling system was used to ensure that slough did not cross-contaminate the deeper macrocores (5-10 feet bls). A piston (plug) was attached at the base of the macrocore excluding slough from upper intervals from entering the macrocores to be collected from deeper intervals. The standard operating procedure (SOP) for this geoprobe technique is summarized in the following sequence: (1) the initial 0-5 feet bls macrocore was advanced using the standard direct-push method to collect a representative soil core; (2) after removing the 0-5 feet bls representative soil core from the hole, the next macrocore, used to collect the 5-10 feet bls interval, was introduced into the hole with a macrocore piston rod sampler; (3) once the macrocore (with the piston) had reached the depth of 5 feet bls, a stop-pin was removed; and (4) the piston was then able to move up the macrocore as a representative soil core filled the macrocore, eliminating cross contamination from the upper units.

3.2.2.2 July 2006 (Vertical Soil Delineation) Soil Investigation Activities

After delineating the horizontal extent of the stained soils in the East Basin area, further (vertical) soil investigation activities were necessary to perform accurate estimates for the volume of stained soils for remediation of the area.

On July 6, 2006 and July 14, 2006, ARCADIS performed the vertical soil delineation activities. Seven soil borings were completed (NPSB-16 through NPSB-22). Field personnel logged the soil borings. Multiple 1-foot intervals from each soil boring location were collected. Soil borings were completed at a maximum depth of 12 feet. The intervals at which the soil samples were collected were based on two conditions: (1) the observed stained soils and the adjacent intervals (above and below) which did not possess visually stained soils, or (2) if no stained soils were observed within the soil boring, soil samples were collected from intervals where exceedances in nearby soil borings from the previous investigation were detected. The soil boring locations and intervals sampled are shown on Figure 9. The soil boring logs are included as Appendix I.

The soil samples were collected for analysis of TPH using the site-specific oil curve collected from the site and analyzed by Method 8015 at STAT Analysis in Chicago, Illinois. Samples were placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures via site personnel to STAT Analysis.

Soil sampling was performed via a specific direct-push method. The macrocore piston rod soil sampling system, employed as noted with the horizontal delineation sampling, was used to ensure that slough did not cross-contaminate the deeper macrocores (5-10 feet bls).

On July 19, 2006, ARCADIS collected a representative sample (NP-WD-01) of the stained soils adjacent to the East Basin for waste disposal characterization. The sample location of NP-WD-01 is shown on Figure 9. The soil sample was analyzed for TCLP VOCs using Method 8260B, TCLP SVOCs using Method 8270C, TCLP metals using Method 7470A and 6020, TCL PCBs using Method 3580A, pH using Method 9045C, reactive cyanide using Method 7.3.3.2, reactive sulfide using Method 7.3.4.2, total phenols using Method 9065, extractable organic halogens using Method 9023, and ignitability using Method 1010 at STAT Analysis in Chicago, Illinois. Samples were placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures via site personnel to STAT Analysis.

3.2.3 East Basin Analytical Results

This section presents the soil investigation analytical results at the East Basin.

3.2.3.1 March and April 2006 (Horizontal Soil Delineation) Analytical Results

In March and April 2006 soil borings (NPSB-1 through NPSB-15, NPSB-3E1, NPSB-3N1, NPSB-3W1, NPSB-4E1, and NPSB-7S1) were completed at the site to depths ranging

from 8 to 10 feet bls. Water table depths ranged from 5 to 9 feet in borings that exhibited water bearing characteristics. Soil samples were collected from each location using the criteria and methods described in the previous section. Depths of soil samples submitted for laboratory analysis ranged from 2 to 9 feet.

Laboratory results identified eight soil samples with concentrations exceeding the site-specific standard of 35,500 mg/kg for TPH (NPSB-3 at 330,000 mg/kg, NPSB-3N1 at 170,000 mg/kg, NPSB-3W1 at 260,000 mg/kg, NPSB-4 at 300,000 mg/kg, NPSB-5 at 72,000 mg/kg, NPSB-7S1 at 160,000 mg/kg, NPSB-8 at 160,000 mg/kg, and NPSB-9 at 260,000 mg/kg), as summarized in Table 6 and as shown on Figure 8. The laboratory analytical reports are included as Appendix J.

3.2.3.2 July 2006 (Vertical Soil Delineation) Analytical Results

In July 2006, soil borings (NPSB-16 through NPSB-22) were completed at the site to depths ranging from 8 to 12 feet. Multiple (1-foot interval) soil samples were collected from each location based on the criteria as explained above. Depths of soil samples submitted for laboratory analysis ranged from 2 to 9 feet bls. Laboratory results for each soil boring are summarized below and are shown in Table 6 and Figure 9.

- Soil samples from NPSB-16 were sampled at 1-foot intervals from 3 to 9 feet bls. The soil samples from 4 to 7 feet bls were identified with concentrations exceeding the site-specific organic carbon concentration of 35,500 mg/kg for TPH, at 310,000 mg/kg, 110,000 mg/kg, and 220,000 mg/kg, respectively.
- Soil samples from NPSB-17 were sampled from 2 to 8 feet bls. The soil samples from 2 to 7 feet bls were identified with concentrations exceeding the site-specific organic carbon concentration for TPH, at 48,000 mg/kg, 360,000 mg/kg, 420,000 mg/kg, 320,000 mg/kg, and 120,000 mg/kg, respectively.
- Soil samples from NPSB-18 were sampled from 2 to 8 feet bls. The soil samples from 3 to 4 feet bls and 5 to 7 feet bls were identified with concentrations exceeding the site-specific organic carbon concentration for TPH at 110,000 mg/kg, 350,000 mg/kg, and 440,000 mg/kg, respectively.
- Soil samples from NPSB-19 were sampled from 3 to 7 feet bls. The soil samples from 4 to 6 feet bls were identified with concentrations exceeding the site-specific organic carbon concentration for TPH, at 95,000 mg/kg and 100,000 mg/kg, respectively.
- Soil samples from NPSB-20 were sampled from 3 to 7 feet bls. The soil samples from 4 to 6 feet bls were identified with concentrations exceeding the site-specific

organic carbon concentration for TPH, at 470,000 mg/kg and 260,000 mg/kg, respectively.

- Soil samples from NPSB-21 and NPSB-22 were identified with TPH concentrations below the site-specific organic carbon concentration. Stained soils were not observed in either soil boring. NPSB-21 was sampled from 5 to 8 feet bls. NPSB-22 was sampled from 5 to 7 feet bls.

The results of the soil sample collected for the waste disposal analysis (NP-WD-01) are shown in Table 7. The results of this analysis do not exceed hazardous waste criteria. The laboratory analytical reports are included as Appendix J.

3.2.4 East Basin Soil Investigation Summary

ARCADIS was able to delineate the horizontal and vertical extent of the stained soil area located in the East Basin. From the March, April, and July 2006 delineation activities, ARCADIS estimates the horizontal area with TPH concentrations exceeding the site-specific organic carbon concentration of 35,500 mg/kg at 8,300 ft², as shown in Figure 9. ARCADIS observed stained soil from 0 to 5 feet thick with an average thickness of 3 feet during soil boring activities. Therefore, assuming that the stained soil thickness is on average 3 feet thick, the total volume of stained soil in the East Basin is estimated at 25,000 cubic feet or 925 cubic yards (1,400 tons).

4 Remedial Action Plan – Southern Portion and East Basin

The RAP portion of this report describes the proposed remedy and evaluates its ability and effectiveness to achieve the ROs approved for the site, consistent with 35 IAC 740.450. This section identifies the objectives of the RAP and the technical approach used to meet the objectives, the scope of the problems to be addressed, and specific constituents of concern.

4.1 Remedial Actions Completed in the Northeast Parcel

Because remedial activity for the North Tract involved activity on the Northeast Parcel prior to establishing the Northeast Parcel as a separate tract, this portion of the Northeast Parcel RAP includes, by reference, those activities. The remedial activities include: 1) the foundation remedial activities performed consistent with the approach outlined in the RAP/RD/RA Work Plan for Foundation 71; 2) the East Basin soil excavation, 3) center basin soil stabilization, 4) backfill of the center and west basins, and 5) debris pile removal. The remedial activities were performed in accordance with the North Tract RAP, and will be fully documented in the Northeast Parcel Remedial Action Completion Report (RACR).

4.2 Southern Portion Remedial Objectives and Alternatives

The following section discusses the remedial objectives and alternatives for the Southern Portion.

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4.2.1 Southern Portion Remedial Objectives

Soil analytical results from characterization activities performed at the Southern Portion of the site were compared to site ROs as presented in Section 3.1.2. The ROs presented specifically for SVOCs will be utilized to measure the effectiveness of the remedial alternatives discussed below for the Southern Portion.

4.2.2 Engineered Barrier

Under this alternative, an engineered barrier (concrete or asphalt cap) will be constructed over the ground surface at the Southern Portion. The engineered barrier will be constructed to protect site workers from exposure to SVOC-impacted soil, consistent with the requirements of 35 IAC 742.1105. The institutional controls will restrict the site to industrial/ commercial usage, implement a Construction Worker Caution, and require ongoing inspection and maintenance of the engineered barrier.

Costs associated with this alternative consist of: ARCADIS field oversight; communication and correspondence with the Illinois EPA; design, installation, inspection, and completion of an engineered barrier; interaction with legal counsel to facilitate the preparation, issuance and recording of institutional control measures; and ongoing monitoring and maintenance of the barrier.

Relative to other alternatives, this approach has a low to moderate cost. The primary disadvantage is the restriction it places on future property development.

4.2.3 Soil Removal

This alternative evaluation assumes that soils from 0 to 3 feet bls, equaling approximately 280 cubic yards (450 tons), will be excavated and transported to an approved off-site disposal facility or to an on-site Soil Management Zone (SMZ). Confirmation sampling will be completed along the sidewall of the excavation to verify that the impacted soils have been removed. Upon receipt of laboratory analytical results indicating that soil samples are below the site-specific standard, clean backfill materials will be delivered on-site and put in place. Clean backfill will consist of hauling and placing approximately 300 cubic yards of slag from the neighboring Slag Storage Area. No institutional controls associated with engineered barriers will be required after impacted soils are removed

from the Site. The SMZ, located in the Coke Plant Area of the WSW site has been established as a repository for impacted soil. The material to be removed from the Southern Portion is compatible with the SMZ.

This alternative has a low to moderate relative cost and has the benefit of removing the source of risk from the site, although it may retain an element of offsite liability associated with offsite waste disposal.

4.3 Southern Portion Remedial Alternative Recommendation

After evaluating the remedial alternatives, the Engineered Barrier alternative has been eliminated due to property development restrictions imposed by the barrier construction. Thus, the soil removal to the SMZ alternative is recommended. By implementing the excavation and disposal at the SMZ, the remedy eliminates the source from the Northeast Parcel and provides flexibility in property development.

ARCADIS proposes that the property deed be amended to note that future property use be limited to industrial/commercial and that a “Construction Worker Caution” be added advising of the need for special safety requirements for construction workers. This latter provision will provide for the protection of on-site construction workers who are performing subsurface excavation and construction activities.

4.4 Southern Portion Confirmation Sampling Plan

Confirmation sampling is proposed once the excavation and disposal of the soils are completed.

From the delineation investigation, the perimeter of the excavation is 200 feet with an area of 2,500 ft². It is proposed that sidewall soils samples will be collected every 20 feet. Therefore, the collection and analysis of 10 sidewall soil samples are projected. Floor samples are not required because the floor of the excavation will be three feet bls.

Soil sampling and analysis will be performed consistent with Illinois EPA guidelines. The soil samples will be analyzed for SVOCs via Method 8270C. Samples will be placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures via site personnel to STAT Analysis in Chicago.

4.5 East Basin Remedial Objectives and Alternatives

The following section discusses the remedial objectives and alternatives for the East Basin.

4.5.1 East Basin Remedial Objectives

Soil delineation results from the investigation performed at the East Basin were compared to the site-specific standard of 35,500 mg/kg as presented in Section 3.2.4. This site-specific standard will be utilized to measure the effectiveness of the remedial alternatives discussed below for the East Basin.

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Chicago, Illinois

4.5.2 Solidification

Through soil solidification, the non-hazardous soils are solidified onsite because of the TPH concentrations exceeding the site-specific standards. The mixing of soil with chemical binders would immobilize the impacted soils.

The additives that would be mixed may include non-impacted soil, Attapulgate, Portland cement, and the TPH impacted soils. The relatively non-impacted soil would provide a clean aggregate, upon which the Portland cement would crystallize and react. A backhoe and bucket would be used to mix the non-impacted soil, impacted soil, cement, and Attapulgate.

Application of this technology at the East Basin would have a relatively high remedial cost, largely due to the mobilization expenses and the large amount of clean soil required to bulk up the impacted soil.

4.5.3 Chemical Oxidation

Chemical oxidization treats impacted soils through the in situ mixing of soil and a chemical oxidation substance to reduce TPH concentrations to below the site-specific standards.

In situ chemical oxidation (ISCO) is a remedial process that involves mixing the non-impacted and impacted soils with persulfate or other oxidant to chemically degrade the TPH in the East Basin. The efficiency of the persulfate is enhanced when used in conjunction with a suitable surfactant.

The quantities of persulfate were calculated, based on the measured size of the solidification cell. Backhoe mixing would continue until the prescribed amount of persulfate was added to the East Basin and the contents were thoroughly mixed. The mixing would result in a homogenous composition. Upon completion of mixing in a given solidification cell, the material would be left in-place for the development of the oxidizing environment.

Based on the high TPH concentrations, ISCO has a very high relative cost.

4.5.4 Soil Removal

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The soil removal alternative would remove soils from 4 feet bls to 7 feet bls, equaling 925 cubic yards (1,400 tons), for transport to an approved off-site disposal facility. Confirmation sampling will be completed along the sidewall and bottom of the excavation to verify that the TPH impacted soils have been removed. Upon receipt of laboratory analytical results indicating that soil samples are below the site-specific ROs, clean backfill materials will be delivered on-site and put in place. Clean backfill requirements will consist of hauling and placing approximately 925 cubic yards of slag from the neighboring Slag Storage Area.

Due to the TPH concentration in the East Basin soils, placement in the SMZ is not permitted.

This alternative has a moderate relative cost.

4.6 East Basin Remedial Alternative Recommendation

After evaluating the remedial alternatives, both the Solidification and Chemical Oxidation alternatives have been eliminated due to excessive costs estimated for these methods. Thus, the Soil Removal alternative is recommended. Because the SMZ cannot accept TPH concentrations exceeding the attenuation capacity, the material will be removed to an off-site facility.

ARCADIS proposes that the property deed be amended to note that future property use be limited to industrial/commercial and that a “Construction Worker Caution” be added advising of the need for special safety requirements for construction workers.

4.7 East Basin Confirmation Sampling Plan

Confirmation sampling is proposed once the excavation and offsite disposal of the stained soils is completed.

From the horizontal delineation investigation, the perimeter of the excavation is 555 feet with an area of 8,300 ft². It is proposed that sidewall soils samples will be collected every 20 feet. Therefore, the collection and analysis of 28 sidewall soil samples are projected. In addition, it is proposed that bottom soil samples will be collected every 900 ft². Therefore, the collection and analysis of 10 bottom soil samples are projected.

Soil sampling and analysis will be performed consistent with Illinois EPA guidelines. The soil samples will be analyzed for site-specific TPH via Method 8015. Samples will be placed in laboratory-supplied containers and transported on ice under standard chain-of-custody procedures via site personnel to STAT Analysis in Chicago.

4.8 Current and Future Use of Property

The Northeast Parcel is currently owned by the WST. International currently does not use the site.

Future land use and development will be restricted to industrial/commercial usage. The industrial/commercial status will be incorporated into the institutional controls that will be placed on the property.

4.9 Applicable Institutional Controls for the Northeast Parcel

Institutional Controls are proposed to protect human health and the environment. Both the industrial/commercial use status and the site Construction Worker Caution are integral components to providing safe working conditions.

Once an NFR Letter is issued to International, the letter will be submitted within 45 days of its receipt to the Office of the Recorder or Registrar of Titles of Cook County, Illinois.

Four institutional controls will be used to complete this remedial alternative. First, a restriction will be placed on the property deed indicating that the site shall be used for industrial/commercial purposes. Second, a Construction Worker Caution will be attached to the property deed and will reference the need to comply with appropriate state and federal regulations. At a minimum, the Construction Worker Caution will address possible construction worker exposures during subsurface excavation and construction activities, as well as define measures to minimize risk associated with inhalation and ingestion pathways. Examples of measures to minimize risk would include dust suppression techniques and the use of personnel protective equipment (PPE). The third institutional control addresses soil management for soil currently located greater than 3 feet bls. The fourth institutional control exists as the City of Chicago ordinance restricting groundwater extraction and usage.

5. Summary and Conclusions

This section summarizes the Northeast Parcel Phase I ESA performed on the Southern Portion, both Phase II ESAs, and the recommended remedial alternatives for the Southern Portion and East Basin.

5.1 Southern Portion Phase I/II and RAP Summary and Conclusions

A modified Phase I ESA was performed for the property outside of the historic fence line. This investigation consisted of historical and regulatory records searches; interviews with persons knowledgeable of the current and former property uses; and a detailed site inspection. Additionally the neighboring property, the former Repusto property at 3033 East 106th Street was evaluated. Based upon the results of the modified Phase I ESA, potential RECs were identified. The potential RECs were portions of the property where storage containers, storage trailers, and piles of material were located.

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Works
Chicago, Illinois

Based on the potential RECs, ARCADIS conducted a Phase II ESA at the Southern Portion which consisted of an initial sampling activity and a delineation activity. The ESA concluded that a localized area around one boring had SVOC concentration exceeding site standards.

Based on the analytical results from the Phase II ESA, ARCADIS evaluated the remedial alternatives for the Southern Portion of the Northeast Parcel. After evaluating the remedial alternatives, the soil removal and disposal in the SMZ alternative is recommended. This alternative evaluation assumes that soils from 0 to 3 feet bls, equaling approximately 280 cubic yards (450 tons), will be excavated and transported to the SMZ located on the former WSW site property. Confirmation sampling will be completed along the sidewall of the excavation to verify that the impacted soils have been removed. Clean backfill will consist of hauling and placing approximately 300 cubic yards of slag from the neighboring Slag Storage Area. No institutional controls associated with engineered barriers will be required after impacted soils are removed from the Southern Portion. By implementing the excavation and offsite disposal, this remedy eliminates the source and provides flexibility in property development. In addition, ARCADIS proposes that the property deed be amended to note that future property use be limited to industrial/commercial, that a "Construction Worker Caution" be added advising of the need for special safety requirements for construction workers, and management restrictions on soil below three feet. The construction worker caution provision will provide for the protection of on-site construction workers who are performing subsurface excavation and construction activities.

5.2 East Basin Phase II and RAP Summary and Conclusions

ARCADIS conducted a Phase II ESA consisting of two soil investigation events. The soil samples were collected for analysis of TPH using the site-specific oil curve collected from the site and analyzed by Method 8015. ARCADIS delineated the horizontal and vertical extent of the stained soil area located in the East Basin. From the delineation activities, ARCADIS estimates the horizontal area with TPH concentrations exceeding the site-specific organic carbon concentration of 35,500 mg/kg at 8,300 ft². ARCADIS observed

stained soil from 0 to 5 feet thick with an average thickness of 3 feet during soil boring activities, equaling 925 cubic yards (1,400 tons).

Based on the analytical results from the Phase II ESA, ARCADIS evaluated the remedial alternatives for the East Basin. After evaluating the remedial alternatives, and off site disposal, the soil removal alternative is recommended.

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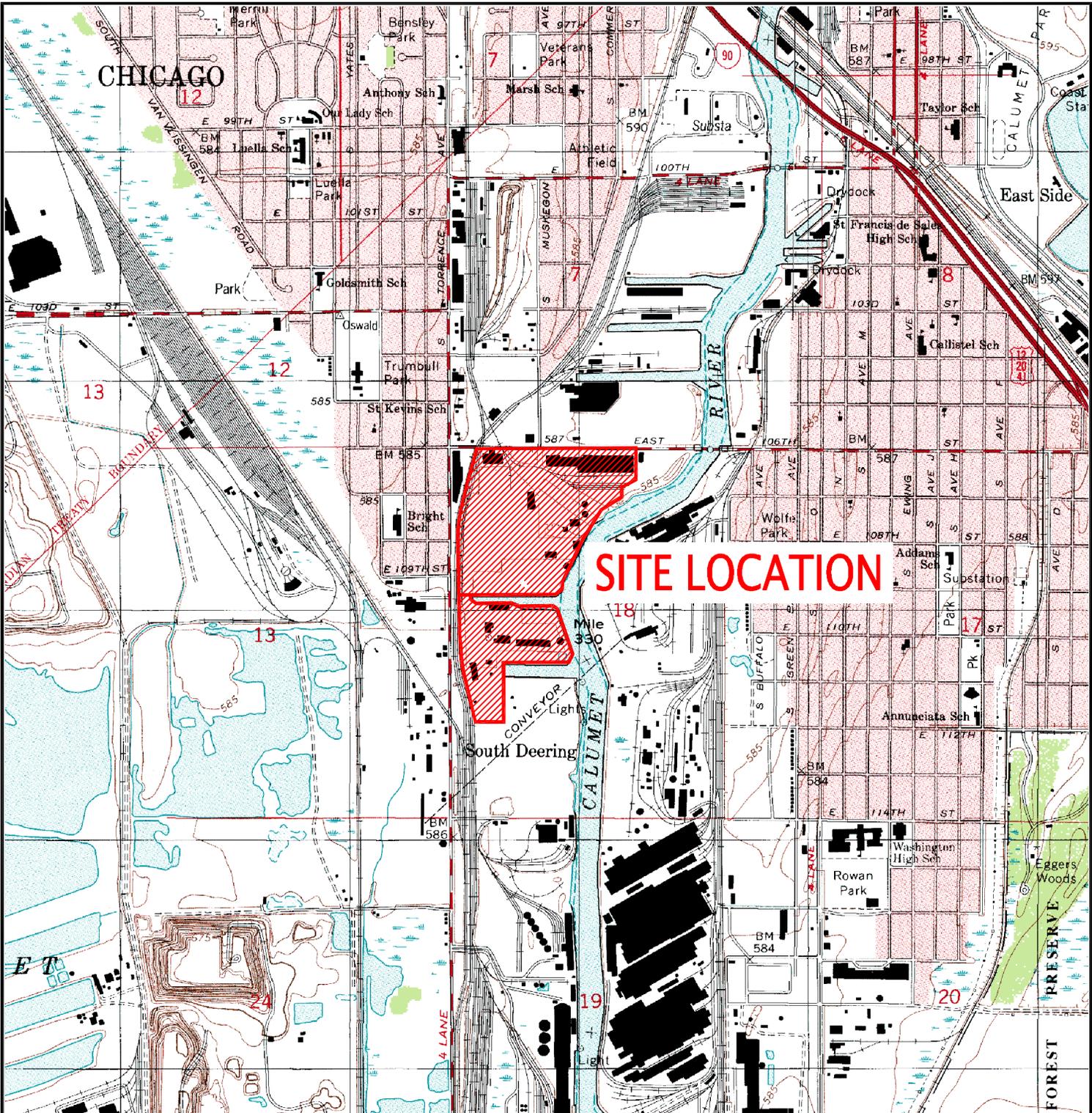
Former Wisconsin Steel
Works
Chicago, Illinois

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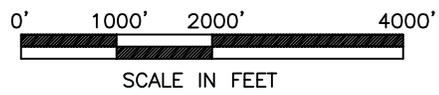
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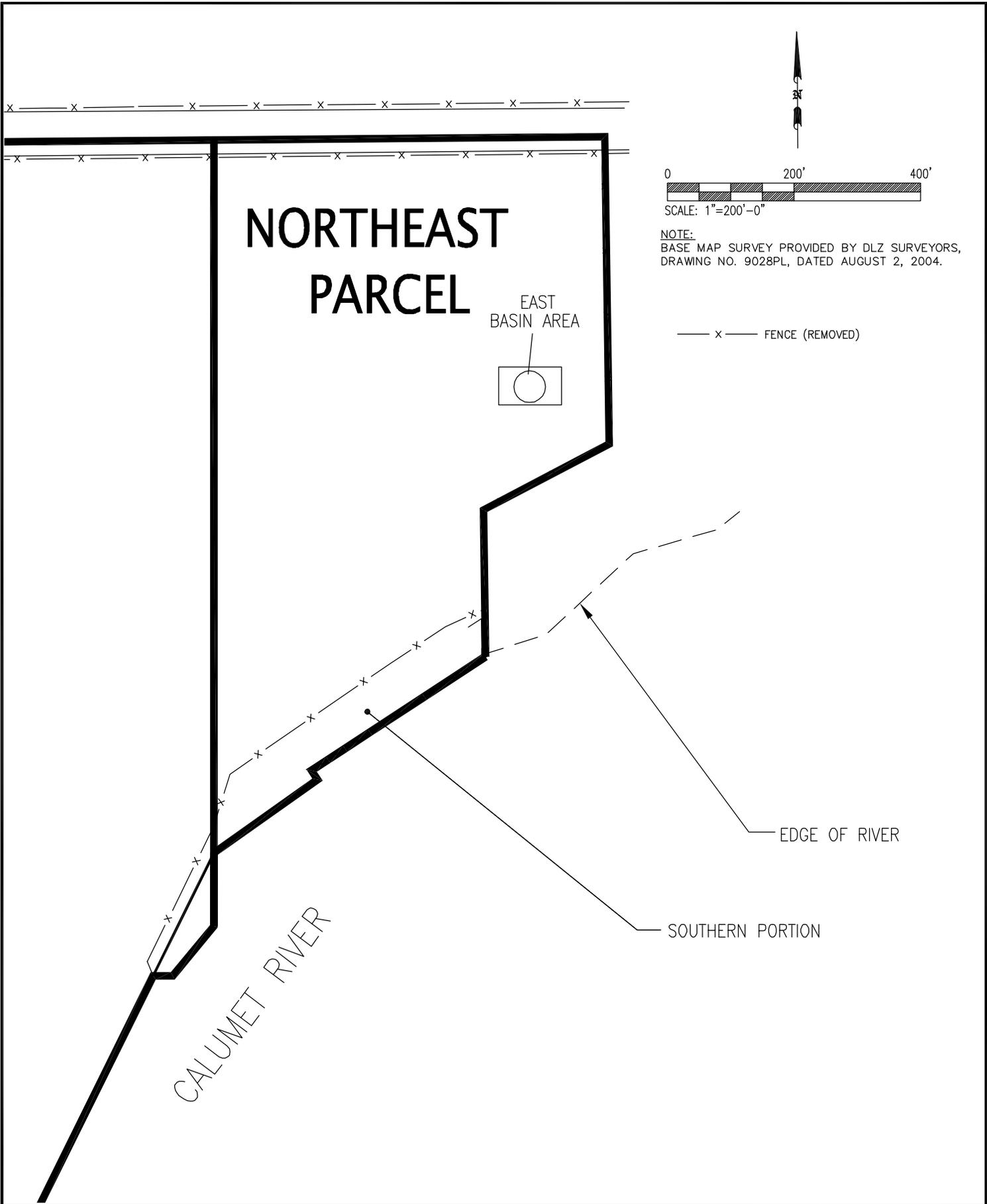


SOURCE: USGS 7.5 MIN. TOPOGRAPHIC MAP, LAKE CALUMET, ILLINOIS-INDIANA QUADRANGLE, 1991.
 NOTE: SITE BOUNDARIES ARE APPROXIMATE.



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SITE LOCATION MAP			Project Number C1000664.0018		Figure 1
CHICAGO, ILLINOIS					

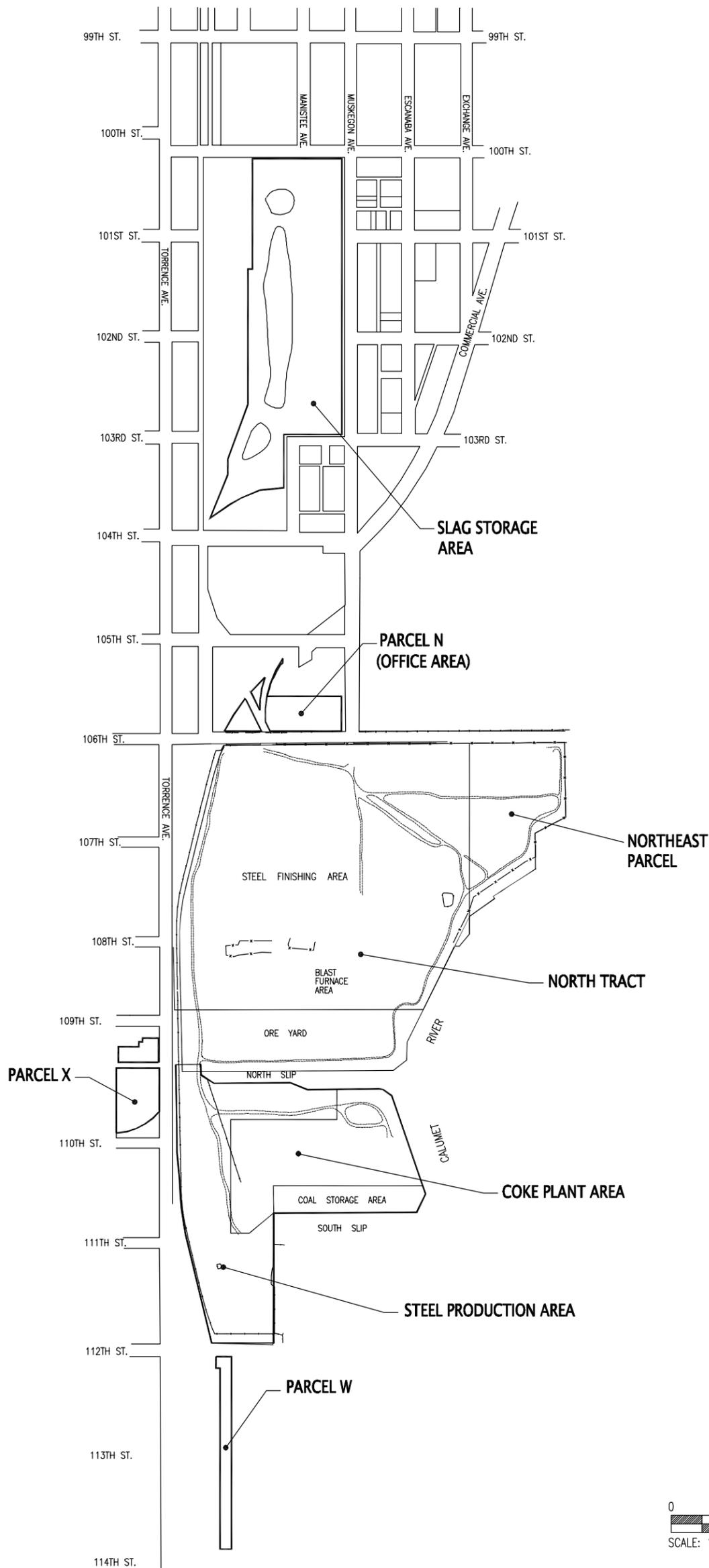


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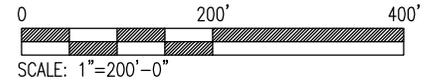
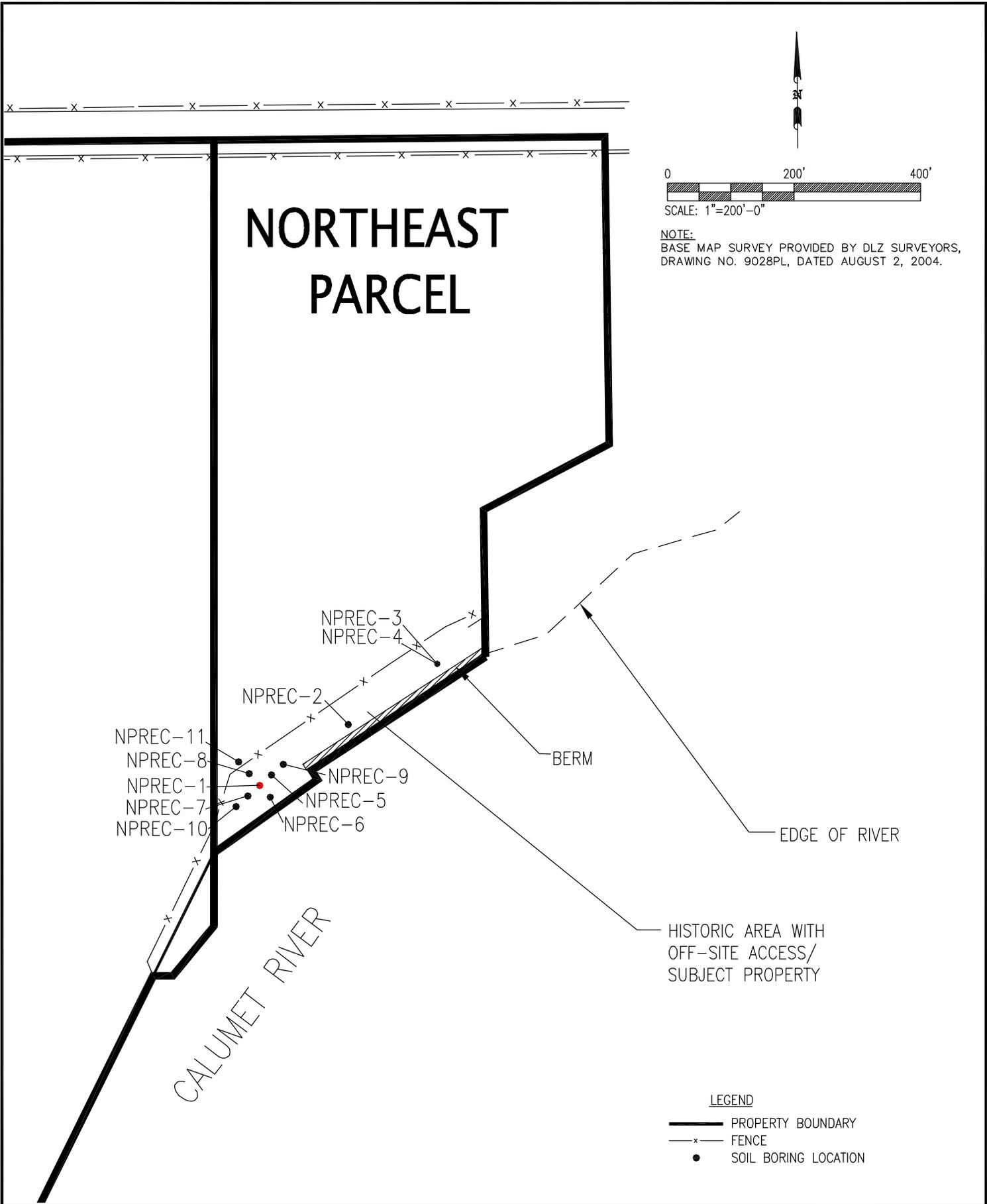


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Drawing Date 12/19/06	File Name 06C10352.DWG	File Location C:\Drafting\WSW	Drawn BY K.SCARBROUGH	Checked BY J.DOWLING	Project Manager G. VANDERLAAN
FORMER WISCONSIN STEEL WORKS			Department Manager P. DELAHUNT		Unique Number
NORTHEAST PARCEL MAP			Project Number CI000664.0018		Figure 2
CHICAGO, ILLINOIS					



BASESOURCEMAP:
 - GREMLEY & BIEDERMAN, INC. PLAT OF SURVEY DATED FEB. 25, 1997
 - ABRAMS AERIAL SURVEY CORP., LANSING, MICHIGAN, A.A.S.C. #27143,
 DATE OF PHOTOGRAPHY, SEPT. 4, 1997.



NOTE:
BASE MAP SURVEY PROVIDED BY DLZ SURVEYORS,
DRAWING NO. 9028PL, DATED AUGUST 2, 2004.

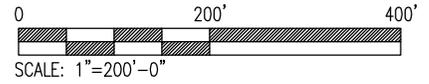
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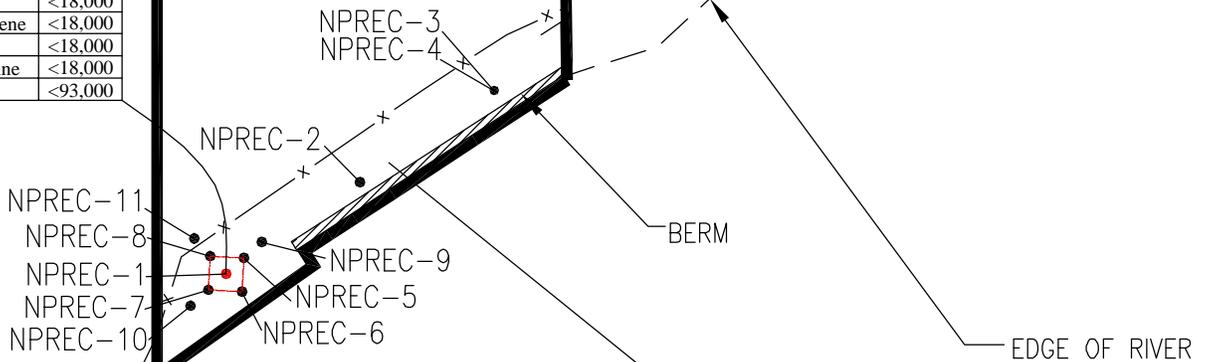
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FORMER WISCONSIN STEEL WORKS			Department Manager P. DELAHUNT		Unique Number
LOCATION OF SOIL BORINGS IN THE SOUTHERN PORTION OF THE NORTHEAST PARCEL			Project Number CI000664.0018		Figure 4
CHICAGO, ILLINOIS					

NORTHEAST PARCEL



NOTE:
BASE MAP SURVEY PROVIDED BY DLZ SURVEYORS,
DRAWING NO. 9028PL, DATED AUGUST 2, 2004.

NPREC-1 (0.0-0.5')	
SVOC CONCENTRATION IN (MG/KG)	
Benzo(a)anthracene	48,000
Benzo(b)fluoranthene	78,000
Benzo(a)pyrene	43,000
Bis(2-chloroethyl)ether	<18,000
Dibenzo(a,h)anthracene	<18,000
3,3'-Dichlorobenzidine	<18,000
2,4-Dinitrotoluene	<18,000
2,6-Dinitrotoluene	<18,000
Hexachlorobenzene	<18,000
Hexachlorocyclopentadiene	<18,000
Nitrobenzene	<18,000
n-Nitrosodi-n-propylamine	<18,000
Pentachlorophenol	<93,000



HISTORIC AREA WITH
OFF-SITE ACCESS/
SUBJECT PROPERTY

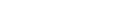
LEGEND

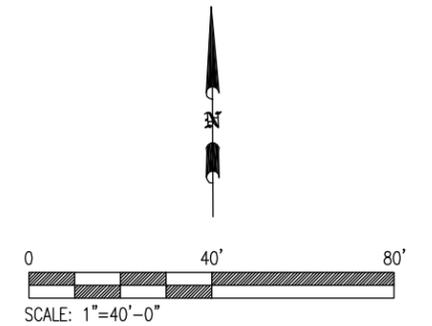
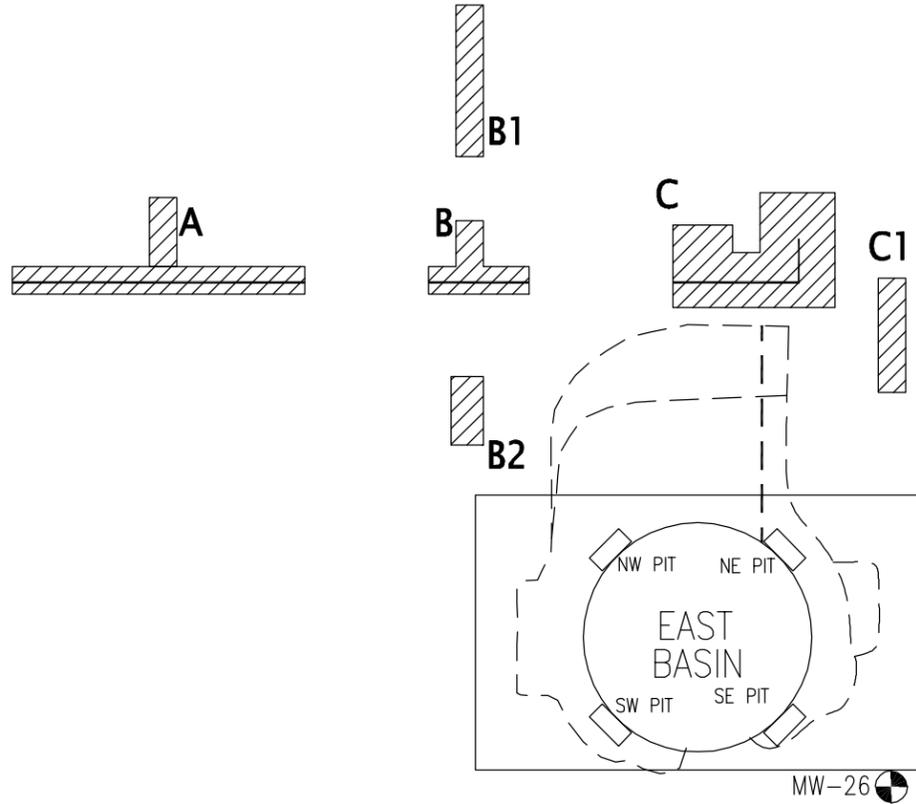
- PROPERTY BOUNDARY
- FENCE
- SOIL BORING LOCATION
- EXTENT OF IMPACTED SOIL



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FORMER WISCONSIN STEEL WORKS			Department Manager P. DELAHUNT		Unique Number
LOCATION OF SURFACE AREA EXCEEDANCES IN SOIL BORINGS IN THE SOUTHERN PORTION OF THE NORTHEAST PARCEL				Project Number C1000664.0018	Figure 5
CHICAGO, ILLINOIS					

- LEGEND**
-  MONITORING WELL
 -  PIPE REMAINING
 -  PIPE REMOVED
 -  TEST TRENCHES
 -  AREA OF EXCAVATION



NO.	DATE	REVISION DESCRIPTION	BY	CKD	NO.	DATE	REVISION DESCRIPTION	BY	CKD



FORMER WISCONSIN STEEL WORKS ITE
 LOCATION OF THE EAST BASIN IN THE
 NORTHEAST PARCEL
 CHICAGO, ILLINOIS

Checked By
 J.DOWLING
 Drawn BY
 K.SCARBROUGH

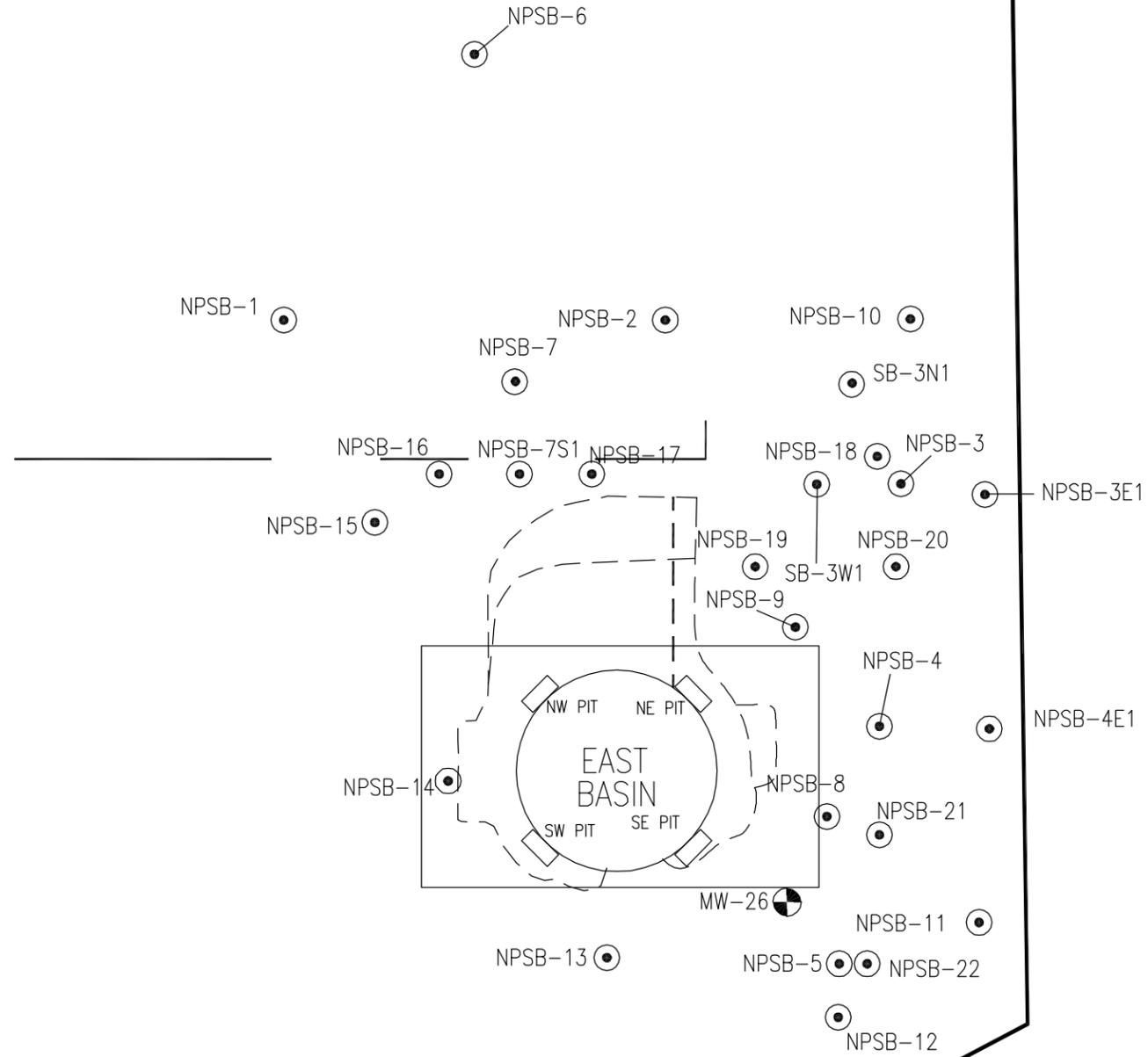
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 Project Manager
 M. GURGAS

File Name
 06CI0353.DWG
 Project Number
 CI000664.0018

File Location
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 Figure
 6

LEGEND

-  MONITORING WELL
-  SOIL BORING
-  PIPE REMAINING
-  AREA OF EXCAVATION



NO.	DATE	REVISION DESCRIPTION	BY	CKD	NO.	DATE	REVISION DESCRIPTION	BY	CKD



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FORMER WISCONSIN STEEL WORKS ITE
LOCATION OF SOIL BORINGS IN THE
EAST BASIN OF THE NORTHEAST PARCEL
CHICAGO, ILLINOIS

Checked By
J.DOWLING
Drawn BY
K.SCARBROUGH

Drawing Date
12/20/06
Project Manager
M. GURGAS

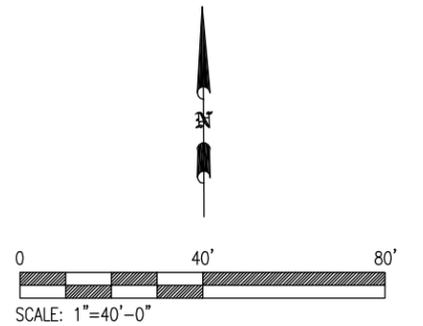
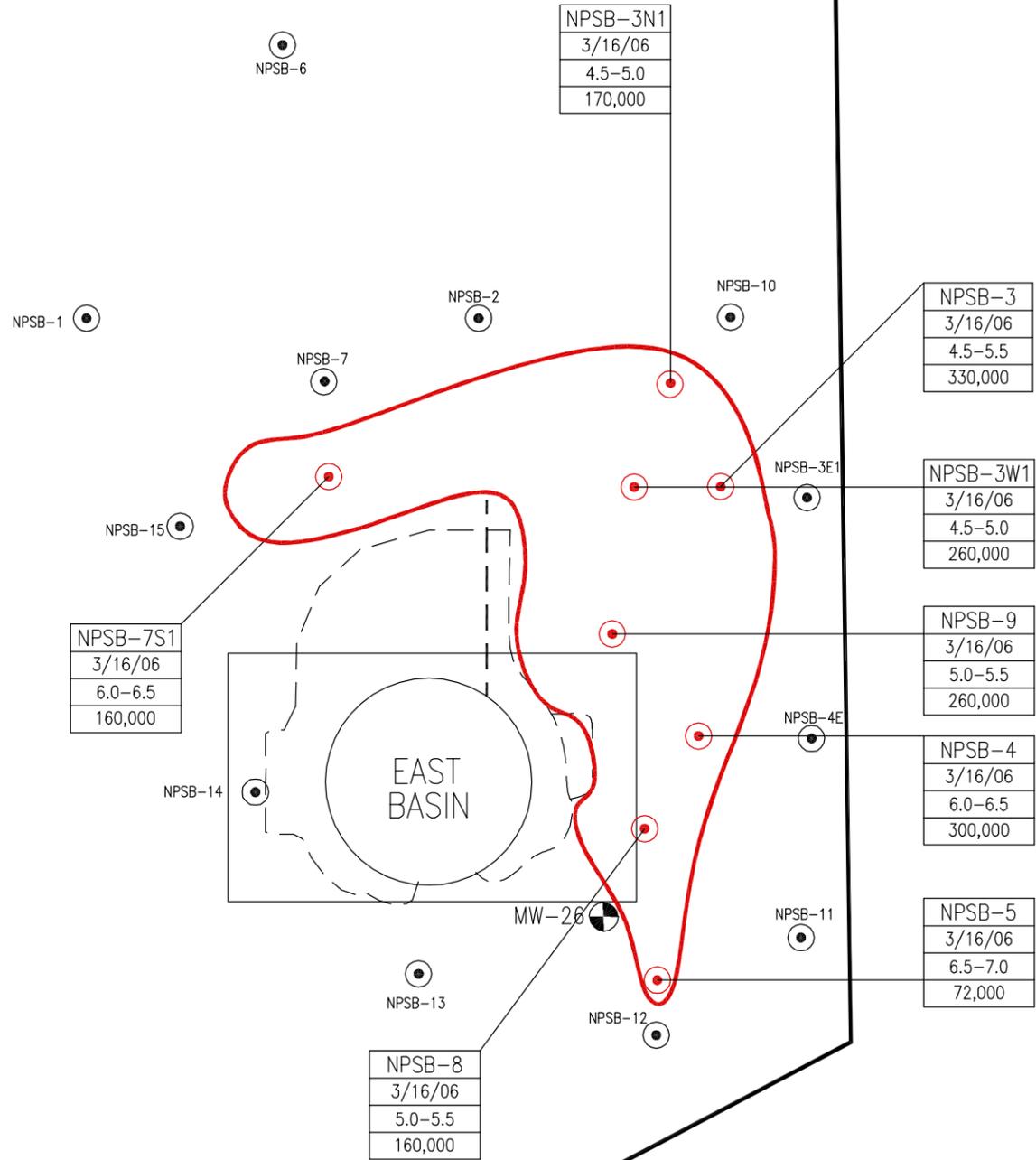
File Name
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Project Number
CI000664.0018
File Location
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Figure
7

LEGEND

-  MONITORING WELL
-  PIPE REMOVED
-  SOIL BORING
-  BOUNDARY LINE
-  SOIL BORINGS EXCEED SITE SPECIFIC ORGANIC CARBON CONCENTRATIONS (35,500 MG/KG)
-  EXTENT OF EXCAVATION

NOTE: ONLY MEASURED TPH EXCEEDANCES ON FIGURE.

SAMPLE NAME
DATE
DEPTH
TPH CONCENTRATION (MG/KG)



NO.	DATE	REVISION DESCRIPTION	BY	CKD	NO.	DATE	REVISION DESCRIPTION	BY	CKD



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FORMER WISCONSIN STEEL WORKS SITE
LOCATION OF HORIZONTAL DELINEATION SOIL BORINGS
IN THE EAST BASIN OF THE NORTHEAST PARCEL
CHICAGO, ILLINOIS

Checked By
J.DOWLING
Drawn BY
K.SCARBROUGH

Drawing Date
12/20/06
Project Manager
M. GURGAS

File Name 06CI0356.DWG	File Location G:\DRAFTING\WISCONSIN STEEL
Project Number CI000664.0018	Figure 8

Table 1. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered Metals Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1	Tier 1	NPREC-1	NPREC-1	NPREC-1	NPREC-2	NPREC-2	NPREC-2	NPREC-3	NPREC-3	NPREC-3
	Industrial-Commercial		0.0-0.5	0.5-3.0	3.0-4.0	0.0-0.5	0.5-3.0	6.5-7.5	0.0-0.5	0.5-3.0	6.5-7.5
	Ingestion	Inhalation	7/6/2006	7/6/2006	7/6/2006	7/6/2006	7/6/2006	7/6/2006	7/6/2006	7/6/2006	7/6/2006
	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Metals Method 6010B											
Aluminum (Al)	--	--	7,500	2,400	2,500	6,000	8,500	6,900	3,500	10,000	8,400
Antimony (Sb)	820	--	< 2.1	< 2.0	< 40	< 39	< 2.2	< 2.3	< 2.1	< 38	< 42
Arsenic (As)	18	18	5	6	< 20	< 20	5.6	8.5	6.8	< 19	26
Barium (Ba)	140,000	910,000	110	23	31	51	94	110	47	130	140
Beryllium (Be)	4,088	2,100	0.7	< 0.41	< 0.4	0.45	0.56	1.0	< 0.42	0.93	1.2
Cadmium (Cd)	2,000	2,800	4.8	< 0.51	< 9.9	< 9.8	4.0	1.5	1.1	< 9.4	14.0
Calcium (Ca)	--	--	220,000	4,000	32,000	230,000	160,000	38,000	49,000	180,000	83,000
Chromium (Cr)	6,100	420	810	86	270	1,000	950	17	140	1,600	910
Cobalt (Co)	120,000	--	2.0	4.0	8.8	1.6	2.5	5.3	2.8	4.6	9.8
Copper (Cu)	82,000	--	65	53	< 40	65	41	28	26	110	160
Iron (Fe)	--	--	120,000	85,000	200,000	190,000	97,000	58,000	34,000	190,000	170,000
Lead (Pb)	1200	--	150	40	34	14	43	83	84	34	2,500
Magnesium (Mg)	--	--	35,000	1,200	2,700	38,000	30,000	14,000	6,100	32,000	18,000
Manganese (Mn)	96,000	91,000	26,000	1,200	4,300	32,000	28,000	680	4,500	49,000	14,000
Mercury (Hg, 7470)	610	540,000	< 0.021	< 0.020	< 0.021	< 0.020	< 0.040	0.061	< 0.020	< 0.020	0.035
Nickel (Ni)	--	--	19	30	58	15	14	16	16	43	70
Potassium (K)	--	--	410	330	350	180	890	1,200	220	940	1,200
Selenium (Se)	10,000	--	< 52	< 2.6	< 50	< 49	< 54	< 2.9	< 52	< 47	< 53
Silver (Ag)	10,000	--	1.8	< 1.0	< 0.99	2.3	1.9	< 1.1	< 1.0	3.7	1.6
Sodium (Na)	--	--	410	230	250	350	440	340	250	690	490
Thallium (Tl)	160	--	< 52	< 2.6	< 50	< 49	< 54	< 2.9	< 52	< 47	< 53
Vanadium (V)	14,000	--	490	8	37	700	360	21	80	430	140
Zinc (Zn)	610,000	--	99	38	33	33	120	150	96	57	1,700

Notes:

- Bold** Site Specific Tier 2 Remediation Objectives.
 - Bold** Site Specific Tier 3 Remediation Objectives.
 - Detection Limit exceeds Remediation Objectives.
 - Result exceeds Remediation Objectives.
 - No Remediation Objective established for this constituent.
- mg/kg milligrams per kilogram

Table 2. Northeast Parcel, Southern Portion Soil Boring Data Compared to TCLP Hazardous Waste Threshold, Former Wisconsin Steel Works, Chicago, Illinois.

	TCLP Regulatory Level (mg/L)	NPREC-4 6.5-7.5 11/7/2006 (mg/L)
Metals Method 6010B		
Lead (Pb)	5	0.20

Notes:

mg/L milligrams per Liter

TCLP Toxicity Characteristic Leaching Procedure

Table 3. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered SVOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)	Chicago Metropolitan Statistical Area (ug/kg)	NPREC-1 0.0-0.5 7/6/2006 (ug/kg)	NPREC-1 0.5-3.0 7/6/2006 (ug/kg)	NPREC-1 3.0-4.0 7/6/2006 (ug/kg)	NPREC-2 0.0-0.5 7/6/2006 (ug/kg)	NPREC-2 0.5-3.0 7/6/2006 (ug/kg)	NPREC-2 6.5-7.5 7/6/2006 (ug/kg)	NPREC-3 0.0-0.5 7/6/2006 (ug/kg)	NPREC-3 0.5-3.0 7/6/2006 (ug/kg)	NPREC-3 6.5-7.5 7/6/2006 (ug/kg)
SVOC Method 8270C												
Carbazole	290,000	--	--	< 18,000	29,000	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Pyridine	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	120,000,000	--	90	3,900	7,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Acenaphthylene	--	--	30	54,000	130,000	1,300	< 360	< 380	8,100	< 350	< 350	< 370
Anthracene	610,000,000	--	250	54,000	130,000	1,500	< 360	< 380	25,000	< 350	< 350	790
Benzo(a)anthracene	8,000	--	1,100	48,000	130,000	1,700	< 360	1,100	41,000	640	960	1,900
Benzo(b)fluoranthene	8,000	--	1,500	78,000	220,000	3,000	< 360	1,600	52,000	1,500	1,900	3,400
Benzo(k)fluoranthene	78,000	--	990	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Benzo(ghi)perylene	61,000	--	680	26,000	70,000	1,000	< 360	410	11,000	440	510	900
Benzo(a)pyrene	800	--	1,300	43,000	120,000	1,700	< 360	860	29,000	690	810	1,500
Butyl benzyl phthalate	410,000,000	930,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Bis(2-chloroethoxy)methane	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Bis(2-chloroethyl)ether	5,000	470	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Bis(2-chloroisopropyl)ether	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Bis(2-ethylhexyl)phthalate	410,000	31,000,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4-Bromophenyl phenyl ether	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4-Chloroaniline	8,200,000	--	--	< 3,600	< 1,800	< 720	< 720	< 750	< 4,100	< 710	< 700	< 730
2-Chloronaphthalene	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4-Chlorophenyl phenyl ether	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Chrysene	780,000	--	1,200	42,000	120,000	1,600	< 360	830	34,000	650	950	1,900
Dibenzo(a,h)anthracene	800	--	200	5,900	16,000	< 360	< 360	< 380	4,600	< 350	< 350	< 370
Dibenzofuran	--	--	--	42,000	73,000	790	< 360	< 380	2,100	< 350	< 350	< 370
1,2-Dichlorobenzene	180,000,000	560,000	--	< 1,800	2,000	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
1,3-Dichlorobenzene	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
1,4-Dichlorobenzene	--	17,000,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
3,3'-Dichlorobenzidine	13,000	--	--	< 3,600	< 3,600	< 720	< 720	< 750	< 4,100	< 710	< 700	< 730
Diethyl phthalate	1,000,000,000	2,000,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Dimethyl phthalate	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Di-n-butyl phthalate	200,000,000	2,300,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Di-n-octyl phthalate	41,000,000	10,000,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4-Dinitrotoluene	8,400	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,6-Dinitrotoluene	8,400	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Fluoranthene	82,000,000	--	2,700	160,000	420,000	5,300	< 360	1,700	79,000	830	1,700	3,800
Fluorene	82,000,000	--	100	49,000	100,000	1,100	< 360	< 380	8,900	< 350	< 350	< 370
Hexachlorobenzene	4,000	1,800	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Hexachlorobutadiene	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Hexachlorocyclopentadiene	14,000,000	16,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Hexachloroethane	2,000,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Indeno(1,2,3-cd)pyrene	8,000	--	860	28,000	66,000	920	< 360	420	14,000	420	510	960

Notes:
 Detection Limit exceeds Remediation Objectives.
 Result exceeds Remediation Objectives.
 -- No Remediation Objective established for this constituent.
 ug/kg micrograms per kilogram

Table 3. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered SVOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)	Chicago Metropolitan Statistical Area (ug/kg)	NPREC-1 0.0-0.5 7/6/2006 (ug/kg)	NPREC-1 0.5-3.0 7/6/2006 (ug/kg)	NPREC-1 3.0-4.0 7/6/2006 (ug/kg)	NPREC-2 0.0-0.5 7/6/2006 (ug/kg)	NPREC-2 0.5-3.0 7/6/2006 (ug/kg)	NPREC-2 6.5-7.5 7/6/2006 (ug/kg)	NPREC-3 0.0-0.5 7/6/2006 (ug/kg)	NPREC-3 0.5-3.0 7/6/2006 (ug/kg)	NPREC-3 6.5-7.5 7/6/2006 (ug/kg)
SVOC Method 8270C												
Isophorone	410,000,000	4,600,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2-Methylnaphthalene	--	--	--	< 35,000	< 40,000	< 380	< 360	< 380	< 2,100	< 350	< 350	< 370
Naphthalene	41,000,000	270,000	40	< 53,000	< 41,000	< 580	< 360	< 380	< 2,100	< 350	< 350	< 370
o-Nitroaniline	--	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
m-Nitroaniline	--	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
p-Nitroaniline	--	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
Nitrobenzene	1,000,000	140,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
n-Nitrosodi-n-propylamine	800	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
n-Nitrosodiphenylamine	1,200,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
Phenanthrene	--	--	1,300	< 210,000	< 430,000	< 5,100	< 360	< 440	< 24,000	< 350	< 910	< 2,600
Pyrene	61,000,000	--	1,900	< 130,000	< 360,000	< 4,600	< 360	< 1,500	< 66,000	< 780	< 1,500	< 3,200
1,2,4-Trichlorobenzene	20,000,000	3,200,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4-Chloro-3-methylphenol	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2-Chlorophenol	10,000,000	53,000,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4-Dichlorophenol	6,100,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4-Dimethylphenol	41,000,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4-Dinitrophenol	4,100,000	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
2-Methyl-4,6-dinitrophenol	--	--	--	--	--	--	< 360	< 380	< 2,100	< 350	< 350	< 370
2-Methylphenol (o-cresol)	100,000,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
3 & 4 Methylphenol (m&p cresol)	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2-Nitrophenol	--	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4-Nitrophenol	--	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
Pentachlorophenol	24,000	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900
Phenol	1,000,000,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4,5-Trichlorophenol	200,000,000	--	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
2,4,6-Trichlorophenol	520,000	390,000	--	< 1,800	< 1,800	< 360	< 360	< 380	< 2,100	< 350	< 350	< 370
4,6-Dinitro-2-methylphenol	--	--	--	< 9,300	< 1,800	< 1,900	< 1,900	< 1,900	< 11,000	< 1,800	< 1,800	< 1,900

Notes:
 Detection Limit exceeds Remediation Objectives.
 Result exceeds Remediation Objectives.

-- No Remediation Objective established for this constituent.

ug/kg micrograms per kilogram

Table 3. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered SVOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)	Chicago Metropolitan Statistical Area (ug/kg)	NPREC-5 0.0-0.5 11/7/2006 (mg/kg)	NPREC-5 0.5-3.0 11/7/2006 (mg/kg)	NPREC-6 0.0-0.5 11/7/2006 (mg/kg)	NPREC-6 0.5-3.0 11/7/2006 (mg/kg)	NPREC-7 0.0-0.5 11/7/2006 (mg/kg)	NPREC-7 0.5-3.0 11/7/2006 (mg/kg)	NPREC-8 0.0-0.5 11/7/2006 (mg/kg)	NPREC-8 0.5-3.0 11/7/2006 (mg/kg)
SVOC Method 8270C											
Carbazole	290,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Pyridine	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	120,000,000	--	90	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Acenaphthylene	--	--	30	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Anthracene	610,000,000	--	250	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Benzo(a)anthracene	8,000	--	1,100	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Benzo(b)fluoranthene	8,000	--	1,500	< 390	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Benzo(k)fluoranthene	78,000	--	990	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Benzo(ghi)perylene	61,000	--	680	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Benzo(a)pyrene	800	--	1,300	< 400	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Butyl benzyl phthalate	410,000,000	930,000	--	< 360	< 340	< 770	< 710	< 1,800	< 360	< 1,800	< 360
Bis(2-chloroethoxy)methane	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Bis(2-chloroethyl)ether	5,000	470	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Bis(2-chloroisopropyl)ether	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Bis(2-ethylhexyl)phthalate	410,000	31,000,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4-Bromophenyl phenyl ether	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4-Chloroaniline	8,200,000	--	--	< 720	< 690	< 380	< 350	< 3,600	< 710	< 3,600	< 360
2-Chloronaphthalene	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4-Chlorophenyl phenyl ether	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Chrysene	780,000	--	1,200	< 620	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Dibenzo(a,h)anthracene	800	--	200	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Dibenzofuran	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
1,2-Dichlorobenzene	180,000,000	560,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
1,3-Dichlorobenzene	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
1,4-Dichlorobenzene	--	17,000,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
3,3'-Dichlorobenzidine	13,000	--	--	< 730	< 690	< 770	< 710	< 3600	< 710	< 3600	< 720
Diethyl phthalate	1,000,000,000	2,000,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Dimethyl phthalate	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Di-n-butyl phthalate	200,000,000	2,300,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Di-n-octyl phthalate	41,000,000	10,000,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4-Dinitrotoluene	8,400	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,6-Dinitrotoluene	8,400	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Fluoranthene	82,000,000	--	2,700	< 670	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Fluorene	82,000,000	--	100	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Hexachlorobenzene	4,000	1,800	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Hexachlorobutadiene	--	--	--	< 360	< 680	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Hexachlorocyclopentadiene	14,000,000	16,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Hexachloroethane	2,000,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Indeno(1,2,3-cd)pyrene	8,000	--	860	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360

Notes:
 Detection Limit exceeds Remediation Objectives.
 Result exceeds Remediation Objectives.
 -- No Remediation Objective established for this constituent.
 ug/kg micrograms per kilogram

Table 3. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered SVOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)	Chicago Metropolitan Statistical Area (ug/kg)	NPREC-5 0.0-0.5 11/7/2006 (mg/kg)	NPREC-5 0.5-3.0 11/7/2006 (mg/kg)	NPREC-6 0.0-0.5 11/7/2006 (mg/kg)	NPREC-6 0.5-3.0 11/7/2006 (mg/kg)	NPREC-7 0.0-0.5 11/7/2006 (mg/kg)	NPREC-7 0.5-3.0 11/7/2006 (mg/kg)	NPREC-8 0.0-0.5 11/7/2006 (mg/kg)	NPREC-8 0.5-3.0 11/7/2006 (mg/kg)
SVOC Method 8270C											
Isophorone	410,000,000	4,600,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2-Methylnaphthalene	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Naphthalene	41,000,000	270,000	40	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
o-Nitroaniline	--	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
m-Nitroaniline	--	--	--	< 360	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
p-Nitroaniline	--	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
Nitrobenzene	1,000,000	140,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
n-Nitrosodi-n-propylamine	800	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
n-Nitrosodiphenylamine	1,200,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Phenanthrene	--	--	1,300	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
Pyrene	61,000,000	--	1,900	780	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
1,2,4-Trichlorobenzene	20,000,000	3,200,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4-Chloro-3-methylphenol	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2-Chlorophenol	10,000,000	53,000,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4-Dichlorophenol	6,100,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4-Dimethylphenol	41,000,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4-Dinitrophenol	4,100,000	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
2-Methyl-4,6-dinitrophenol	--	--	--	< 1900	< 1800	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2-Methylphenol (o-cresol)	100,000,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
3 & 4 Methylphenol (m&p cresol)	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2-Nitrophenol	--	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4-Nitrophenol	--	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
Pentachlorophenol	24,000	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900
Phenol	1,000,000,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4,5-Trichlorophenol	200,000,000	--	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
2,4,6-Trichlorophenol	520,000	390,000	--	< 360	< 340	< 380	< 350	< 1,800	< 360	< 1,800	< 360
4,6-Dinitro-2-methylphenol	--	--	--	< 1900	< 1800	< 2000	< 1800	< 9200	< 1800	< 9300	< 1900

Notes:
 Detection Limit exceeds Remediation Objectives.
 Result exceeds Remediation Objectives.

-- No Remediation Objective established for this constituent.

ug/kg micrograms per kilogram

Table 4. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered VOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

VOC Method 8260B	Tier 1	Tier 1	NPREC-1	NPREC-1	NPREC-1
	Industrial-Commercial Ingestion (ug/kg)	Inhalation (ug/kg)	0.0-0.5 7/6/2006 (ug/kg)	0.5-3.0 7/6/2006 (ug/kg)	3.0-4.0 7/6/2006 (ug/kg)
Acetone	200,000,000	100,000,000	130	< 2,600	< 3,300
Benzene	100,000	1,600	< 4.1	< 760	< 330
Bromodichloromethane	92,000	3,000,000	< 4.1	< 260	< 330
Bromoform	720,000	100,000	< 4.1	< 260	< 330
Bromomethane	2,900,000	15,000	< 4.1	< 260	< 330
2-Butanone (Methyl Ethyl Ketone)	--	--	31	< 260	< 1,700
Carbon disulfide	200,000,000	720,000	< 4.1	< 260	< 330
Carbon tetrachloride	44,000	640	< 4.1	< 260	< 330
Dibromochloromethane	41,000,000	1,300,000	< 4.1	< 260	< 330
Chlorobenzene	41,000,000	210,000	< 4.1	< 260	< 330
Chloroethane	--	--	< 4.1	< 260	< 330
Chloroform	940,000	540	< 4.1	< 260	< 330
Chloromethane	--	--	< 4.1	< 260	< 330
1,1-Dichloroethane	200,000,000	1,700,000	< 4.1	< 260	< 330
1,2-Dichloroethane	63,000	700	< 4.1	< 260	< 330
1,1-Dichloroethene	18,000,000	1,500,000	< 4.1	< 260	< 330
trans-1,2-Dichloroethene	41,000,000	3,100,000	< 4.1	< 260	< 330
cis-1,2-Dichloroethene	20,000,000	1,200,000	< 4.1	< 260	< 330
1,2-Dichloropropane	84,000	23,000	< 4.1	< 260	< 330
cis-1,3-Dichloropropene	--	--	< 4.1	< 260	< 330
trans-1,3-Dichloropropene	--	--	< 4.1	< 260	< 330
Ethylbenzene	200,000,000	400,000	< 4.1	< 260	< 330
2-Hexanone	--	--	< 20	< 1300	< 1,700
Methylene chloride	760,000	24,000	< 4.1	< 260	< 330
4-Methyl-2-pentanone (MIBK)	--	--	< 20	< 1300	< 1,700
Styrene	410,000,000	1,500,000	< 4.1	< 260	< 330
1,1,2,2-Tetrachloroethane	--	--	< 4.1	< 260	< 330
Tetrachloroethene	110,000	20,000	< 4.1	< 260	< 330
Toluene	410,000,000	650,000	< 4.1	610	350
1,1,1-Trichloroethane	--	1,200,000	< 4.1	< 260	< 330
1,1,2-Trichloroethane	8,200,000	1,800,000	< 4.1	< 260	< 330
Trichloroethene	520,000	8,900	< 4.1	< 260	< 330
Vinyl chloride	7,900	1,100	< 4.1	< 260	< 330
Xylenes (total)	1,000,000,000	320,000	< 8.2	600	< 660

Notes:

- No Remediation Objective established for this constituent.
- ug/kg micrograms per kilogram

Table 4. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered VOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)		NPREC-2 0.0-0.5 7/6/2006 (ug/kg)		NPREC-2 0.5-3.0 7/6/2006 (ug/kg)		NPREC-2 6.5-7.5 7/6/2006 (ug/kg)
VOC Method 8260B								
Acetone	200,000,000	100,000,000		58		92	<	52
Benzene	100,000	1,600	<	4.7	<	8.1	<	5.2
Bromodichloromethane	92,000	3,000,000	<	4.7	<	8.1	<	5.2
Bromoform	720,000	100,000	<	4.7	<	8.1	<	5.2
Bromomethane	2,900,000	15,000	<	4.7	<	8.1	<	5.2
2-Butanone (Methyl Ethyl Ketone)	--	--	<	24	<	40	<	26
Carbon disulfide	200,000,000	720,000	<	4.7	<	8.1	<	5.2
Carbon tetrachloride	44,000	640	<	4.7	<	8.1	<	5.2
Dibromochloromethane	41,000,000	1,300,000	<	4.7	<	8.1	<	5.2
Chlorobenzene	41,000,000	210,000	<	4.7	<	8.1	<	5.2
Chloroethane	--	--	<	4.7	<	8.1	<	5.2
Chloroform	940,000	540	<	4.7	<	8.1	<	5.2
Chloromethane	--	--	<	4.7	<	8.1	<	5.2
1,1-Dichloroethane	200,000,000	1,700,000	<	4.7	<	8.1	<	5.2
1,2-Dichloroethane	63,000	700	<	4.7	<	8.1	<	5.2
1,1-Dichloroethene	18,000,000	1,500,000	<	4.7	<	8.1	<	5.2
trans-1,2-Dichloroethene	41,000,000	3,100,000	<	4.7	<	8.1	<	5.2
cis-1,2-Dichloroethene	20,000,000	1,200,000	<	4.7	<	8.1	<	5.2
1,2-Dichloropropane	84,000	23,000	<	4.7	<	8.1	<	5.2
cis-1,3-Dichloropropene	--	--	<	4.7	<	8.1	<	5.2
trans-1,3-Dichloropropene	--	--	<	4.7	<	8.1	<	5.2
Ethylbenzene	200,000,000	400,000	<	4.7	<	8.1	<	5.2
2-Hexanone	--	--	<	24	<	40	<	26
Methylene chloride	760,000	24,000	<	4.7	<	8.1	<	5.2
4-Methyl-2-pentanone (MIBK)	--	--	<	24	<	40	<	26
Styrene	410,000,000	1,500,000	<	4.7	<	8.1	<	5.2
1,1,2,2-Tetrachloroethane	--	--	<	4.7	<	8.1	<	5.2
Tetrachloroethene	110,000	20,000	<	4.7	<	8.1	<	5.2
Toluene	410,000,000	650,000	<	4.7	<	8.1	<	5.2
1,1,1-Trichloroethane	--	1,200,000	<	4.7	<	8.1	<	5.2
1,1,2-Trichloroethane	8,200,000	1,800,000	<	4.7	<	8.1	<	5.2
Trichloroethene	520,000	8,900	<	4.7	<	8.1	<	5.2
Vinyl chloride	7,900	1,100	<	4.7	<	8.1	<	5.2
Xylenes (total)	1,000,000,000	320,000	<	9.4	<	16	<	10

Notes:

- No Remediation Objective established for this constituent.
- ug/kg micrograms per kilogram

Table 4. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered VOC Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)		NPREC-3 0.0-0.5 7/6/2006 (ug/kg)	NPREC-3 0.5-3.0 7/6/2006 (ug/kg)	NPREC-3 6.5-7.5 7/6/2006 (ug/kg)
VOC Method 8260B						
Acetone	200,000,000	100,000,000	<	3,300	62	61
Benzene	100,000	1,600	<	330	< 4.9	< 5.8
Bromodichloromethane	92,000	3,000,000	<	330	< 4.9	< 5.8
Bromoform	720,000	100,000	<	330	< 4.9	< 5.8
Bromomethane	2,900,000	15,000	<	330	< 4.9	< 5.8
2-Butanone (Methyl Ethyl Ketone)	--	--	<	1,700	< 24	< 5.8
Carbon disulfide	200,000,000	720,000	<	330	12	< 5.8
Carbon tetrachloride	44,000	640	<	330	< 4.9	< 5.8
Dibromochloromethane	41,000,000	1,300,000	<	330	< 4.9	< 5.8
Chlorobenzene	41,000,000	210,000	<	330	< 4.9	< 5.8
Chloroethane	--	--	<	330	< 4.9	< 5.8
Chloroform	940,000	540	<	330	< 4.9	< 5.8
Chloromethane	--	--	<	330	< 4.9	< 5.8
1,1-Dichloroethane	200,000,000	1,700,000	<	330	< 4.9	< 5.8
1,2-Dichloroethane	63,000	700	<	330	< 4.9	< 5.8
1,1-Dichloroethene	18,000,000	1,500,000	<	330	< 4.9	< 5.8
trans-1,2-Dichloroethene	41,000,000	3,100,000	<	330	< 4.9	< 5.8
cis-1,2-Dichloroethene	20,000,000	1,200,000	<	330	< 4.9	< 5.8
1,2-Dichloropropane	84,000	23,000	<	330	< 4.9	< 5.8
cis-1,3-Dichloropropene	--	--	<	330	< 4.9	< 5.8
trans-1,3-Dichloropropene	--	--	<	330	< 4.9	< 5.8
Ethylbenzene	200,000,000	400,000	<	330	< 4.9	< 5.8
2-Hexanone	--	--	<	1,700	< 24	< 29.0
Methylene chloride	760,000	24,000	<	330	< 4.9	< 5.8
4-Methyl-2-pentanone (MIBK)	--	--	<	1,700	< 24	< 5.8
Styrene	410,000,000	1,500,000	<	330	< 4.9	< 5.8
1,1,1,2-Tetrachloroethane	--	--	<	330	< 4.9	< 5.8
Tetrachloroethene	110,000	20,000		4,200	< 4.9	6.8
Toluene	410,000,000	650,000		440	< 4.9	< 5.8
1,1,1-Trichloroethane	--	1,200,000	<	330	< 4.9	< 5.8
1,1,2-Trichloroethane	8,200,000	1,800,000	<	330	< 4.9	< 5.8
Trichloroethene	520,000	8,900	<	330	< 4.9	< 5.8
Vinyl chloride	7,900	1,100	<	330	< 4.9	< 5.8
Xylenes (total)	1,000,000,000	320,000		820	< 9.8	< 12.0

Notes:

- No Remediation Objective established for this constituent.
- ug/kg micrograms per kilogram

Table 5. Northeast Parcel, Southern Portion Soil Boring Data Compared to Tiered PCB Standards, Former Wisconsin Steel Works, Chicago, Illinois.

	Tier 1 Industrial-Commercial Ingestion (ug/kg)	Tier 1 Inhalation (ug/kg)	NPREC-1 0.0-0.5 7/6/2006 (ug/kg)	NPREC-1 0.5-3.0 7/6/2006 (ug/kg)	NPREC-1 3.0-4.0 7/6/2006 (ug/kg)	NPREC-2 0.0-0.5 7/6/2006 (ug/kg)	NPREC-2 0.5-3.0 7/6/2006 (ug/kg)	NPREC-2 6.5-7.5 7/6/2006 (ug/kg)	NPREC-3 0.0-0.5 7/6/2006 (ug/kg)	NPREC-3 0.5-3.0 7/6/2006 (ug/kg)	NPREC-3 6.5-7.5 7/6/2006 (ug/kg)
PCB Method 8081A_8082											
Aroclor 1016	1,000	1,000	< 360	< 360	< 36	< 72	< 75	< 210	< 35	< 35	< 37
Aroclor 1221	1,000	1,000	< 730	< 730	< 73	< 150	< 150	< 420	< 72	< 71	< 74
Aroclor 1232	1,000	1,000	< 360	< 360	< 36	< 72	< 75	< 210	< 35	< 35	< 37
Aroclor 1242	1,000	1,000	< 360	< 360	< 36	< 72	< 75	< 210	< 35	< 35	< 37
Aroclor 1248	1,000	1,000	< 360	< 360	57	< 72	< 75	< 210	< 35	< 35	< 37
Aroclor 1254	1,000	1,000	< 360	< 360	< 36	< 72	< 75	< 210	< 35	< 35	< 37
Aroclor 1260	1,000	1,000	< 360	< 360	< 36	< 72	< 75	< 210	< 35	< 35	< 37

Notes:
ug/kg micrograms per kilogram

Table 6. Northeast Parcel, East Basin Soil Boring Data
 Compared to the Site Specific Soil Organic Carbon Concentration - TPH,
 Former Wisconsin Steel Works, Chicago, Illinois.

Sample ID	Interval	Date	TPH Concentration (mg/kg)
EB-B-1	5.0-6.0	10/25/2005	15,000 (DRO) 24,000 (ORO)
NPSB-1	5.5-6.0	3/16/2006	1,900
NPSB-2	8.5-9.0	3/16/2006	7,700
NPSB-3	4.5-5.5	3/16/2006	330,000
NPSB-3E1	2.0-2.5	3/16/2006	940
NPSB-3N1	4.5-5.0	3/16/2006	170,000
NPSB-3W1	4.5-5.0	3/16/2006	260,000
NPSB-4	6.0-6.5	3/16/2006	300,000
NPSB-4E1	2.0-2.5	3/16/2006	580
NPSB-5	6.5-7.0	3/16/2006	72,000
NPSB-6	7.5-8.0	3/16/2006	1,400
NPSB-7	5.0-5.5	3/16/2006	4,500
NPSB-7S1	6.0-6.5	3/16/2006	160,000
NPSB-8	5.0-5.5	3/16/2006	160,000
NPSB-9	5.0-5.5	3/16/2006	260,000
NPSB-10	3.0-3.5	3/16/2006	640
NPSB-11	3.0-3.5	4/20/2006	690
NPSB-12	4.0-4.5	4/20/2006	3,000
NPSB-13	5.0-5.5	4/20/2006	2,000
NPSB-14	5.5-6.0	4/20/2006	2,100
NPSB-15	5.0-5.5	4/20/2006	990
NPSB-16	3.0-4.0	7/6/2006	6,600
NPSB-16	4.0-5.0	7/6/2006	310,000
NPSB-16	5.0-6.0	7/6/2006	110,000
NPSB-16	6.0-7.0	7/6/2006	220,000
NPSB-16	7.0-8.0	7/6/2006	300
NPSB-16	8.0-9.0	7/6/2006	2,400

Notes:

TPH Total Petroleum Hydrocarbon - site-specific curve
 Concentration exceeds Remediation Objectives.
 Detection Limit exceeds Remediation Objectives.

mg/kg milligrams per kilogram
 DRO Diesel Range Organics
 ORO Oil Range Organics

Site Specific Natural Organic Carbon Concentration 35,500 mg/kg

Table 6. Northeast Parcel, East Basin Soil Boring Data
 Compared to the Site Specific Soil Organic Carbon Concentration - TPH,
 Former Wisconsin Steel Works, Chicago, Illinois.

Sample ID	Interval	Date	TPH Concentration (mg/kg)
NPSB-17	2.0-3.0	7/14/2006	48,000
NPSB-17	3.0-4.0	7/14/2006	360,000
NPSB-17	4.0-5.0	7/14/2006	420,000
NPSB-17	5.0-6.0	7/14/2006	320,000
NPSB-17	6.0-7.0	7/14/2006	120,000
NPSB-17	7.0-8.0	7/14/2006	4,900
NPSB-18	2.0-3.0	7/14/2006	24,000
NPSB-18	3.0-4.0	7/14/2006	110,000
NPSB-18	4.0-5.0	7/14/2006	23,000
NPSB-18	5.0-6.0	7/14/2006	350,000
NPSB-18	6.0-7.0	7/14/2006	440,000
NPSB-18	7.0-8.0	7/14/2006	26,000
NPSB-19	3.0-4.0	7/14/2006	28,000
NPSB-19	4.0-5.0	7/14/2006	95,000
NPSB-19	5.0-6.0	7/14/2006	100,000
NPSB-19	6.0-7.0	7/14/2006	26,000
NPSB-20	3.0-4.0	7/14/2006	26,000
NPSB-20	4.0-5.0	7/14/2006	470,000
NPSB-20	5.0-6.0	7/14/2006	260,000
NPSB-20	6.0-7.0	7/14/2006	26,000
NPSB-21	5.0-6.0	7/14/2006	7,600
NPSB-21	6.0-7.0	7/14/2006	5,900
NPSB-21	7.0-8.0	7/14/2006	570
NPSB-22	5.0-6.0	7/14/2006	31,000
NPSB-22	6.0-7.0	7/14/2006	16,000

Notes:

TPH Total Petroleum Hydrocarbon - site-specific curve
 Concentration exceeds Remediation Objectives.
 Detection Limit exceeds Remediation Objectives.

mg/kg milligrams per kilogram
 DRO Diesel Range Organics
 ORO Oil Range Organics

Site Specific Natural Organic Carbon Concentration 35,500 mg/kg

Table 7. Northeast Parcel, East Basin Waste Disposal Data Compared to the TCLP Hazardous Waste Threshold, Former Wisconsin Steel Works, Chicago, Illinois.

	TCLP Regulatory Level		NP-WD-01 7/19/2006
VOC Method 8260B	ug/L		ug/L
Benzene	500	<	50
2-Butanone	200,000	<	100
Carbon tetrachloride	500	<	50
Chlorobenzene	100,000	<	50
Chloroform	6,000	<	50
1,2-Dichloroethane	500	<	50
1,1-Dichloroethene	700	<	50
Tetrachloroethene	700	<	50
Trichloroethene	500	<	50
Vinyl chloride	200	<	50

	ug/L		ug/L
SVOC Method 8270C			
Pyridine	5,000	<	10
1,4-Dichlorobenzene	7,500	<	10
2,4-Dinitrotoluene	130	<	10
Hexachlorobenzene	130	<	10
Hexachlorobutadiene	500	<	10
Hexachloroethane	3,000	<	10
Nitrobenzene	2,000	<	10
2-Methylphenol (o-cresol)	200,000	<	10
3 & 4 Methylphenol (m&p cresol)	200,000	<	10
Pentachlorophenol	100,000	<	50
2,4,5-Trichlorophenol	400,000	<	10
2,4,6-Trichlorophenol	2,000	<	10

	TCLP Regulatory Level		NP-WD-01 7/19/2006
Metals Method 6010B	mg/L		mg/L
Arsenic	5	<	0.01
Barium	100		0.32
Cadmium	1	<	0.005
Chromium	5	<	0.01
Lead	5	<	0.005
Selenium	1	<	0.01
Silver	5	<	0.01

Notes:

- ug/L micrograms per liter
- mg/L milligrams per liter

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Appendix A

Illinois EPA DRM - 2 Form

FOR ILLINOIS EPA USE:
LOG NO. _____

Site Remediation Program Form (DRM-2)
(To Be Submitted with all Plans and Reports)

I. Site Identification:

Site Name: Former Wisconsin Steel Works
Street Address: 2701 East 106th Street P.O. Box: _____
City: Chicago State: IL Zip: 60617 Phone: _____
Illinois Inventory I. D. Number: _____ IEMA Incident Number: 03165100002

II. Remediation Applicant:

Applicant's Name: Ms. Edith M. Ardiente, PE, QEP Company: International Truck and Engine Corporation
Street Address: 4201 Winfield Road P.O. Box: 1488
City: Warrenville State: IL ZIP Code: 60555 Phone: (312) 836-3920
I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.
Remediation Applicant's Signature: Edith M. Ardiente / FMA Date: 2/16/07

III. Contact Person:

Contact's Name: <u>Gregory A. Vanderlaan</u>	Contact's Name: _____
Company: <u>ARCADIS, U.S.</u>	Company: _____
Street Address: <u>35 East Wacker Drive, Suite 1000</u>	Street Address: _____
P.O. Box: _____	P.O. Box: _____
City: <u>Chicago</u> State: <u>IL</u> ZIP Code: <u>60601</u>	City: _____ State: _____ ZIP Code: _____
Phone: <u>(312) 263-6703</u>	Phone: _____

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name: _____ Company: _____
Street Address: _____ P.O. Box: _____
City: _____ State: _____ ZIP Code: _____ Phone: _____
Registration Number: _____ License Expiration Date: _____

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

V. Project Documents Being Submitted:

Document Title: NEParcelPhase I/II ESA and RAP/RD/RAWorkPlan Date of Preparation of Plan or Report: 02/2007

Prepared by: International Truck and Engine Corporation Prepared for: International Truck and Engine Corporation

Type of Document Submitted:

<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input checked="" type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input checked="" type="checkbox"/> Remediation Objectives Report-Tier 1or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report-Tier 3	<input type="checkbox"/> Risk Assessment
<input checked="" type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Contaminant Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

Document Title: _____ Date of Preparation of Plan or Report: _____

Prepared by: _____ Prepared for: _____

Type of Document Submitted:

<input type="checkbox"/> Site Investigation Report - Comprehensive	<input type="checkbox"/> Sampling Plan
<input type="checkbox"/> Site Investigation Report - Focused	<input type="checkbox"/> Health and Safety Plan
<input type="checkbox"/> Remediation Objectives Report-Tier 1or 2	<input type="checkbox"/> Community Relations Plan
<input type="checkbox"/> Remediation Objectives Report-Tier 3	<input type="checkbox"/> Risk Assessment
<input type="checkbox"/> Remedial Action Plan	<input type="checkbox"/> Contaminant Fate & Transport Modeling
<input type="checkbox"/> Remedial Action Completion Report	<input type="checkbox"/> Other: _____

VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are the subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by me, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Engineer or Geologist Name: Timothy Scully Granzeier

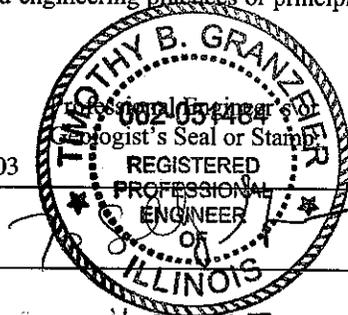
Company: ARCADIS, U.S.

Phone: (312) 263-6703

Registration Number: 062-051484

Signature: *Timothy Scully Granzeier*

License Expiration Date: 11-30-07

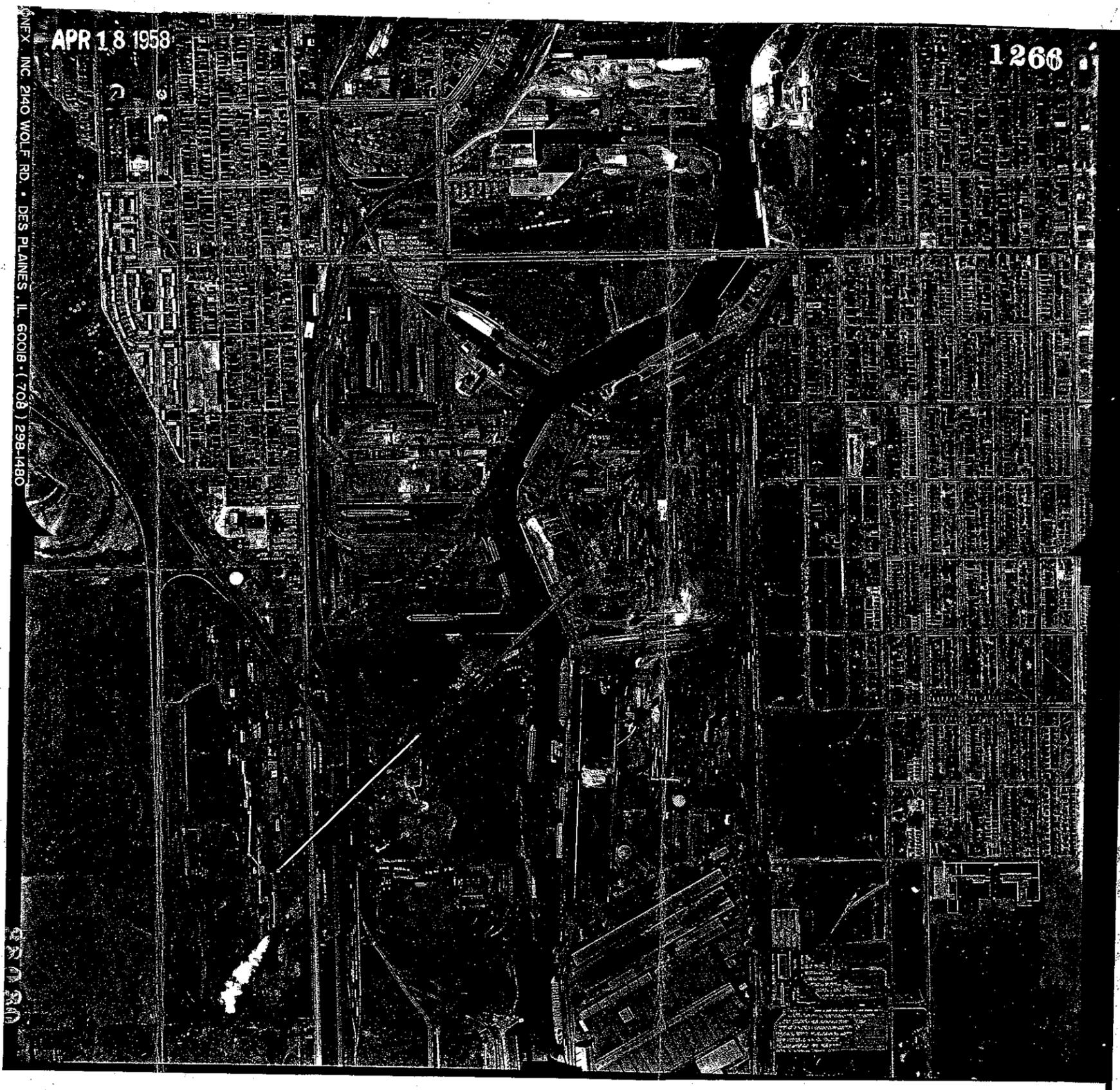


Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58.7(f), as amended by P.A. 92-0735, effective July 25, 2002). A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

ARCADIS

Appendix B

Historical Aerial Photographs



APR 18 1958

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ANEX INC 2140 WOLF RD • DES PLAINES, IL 60018 • (708) 298-1480

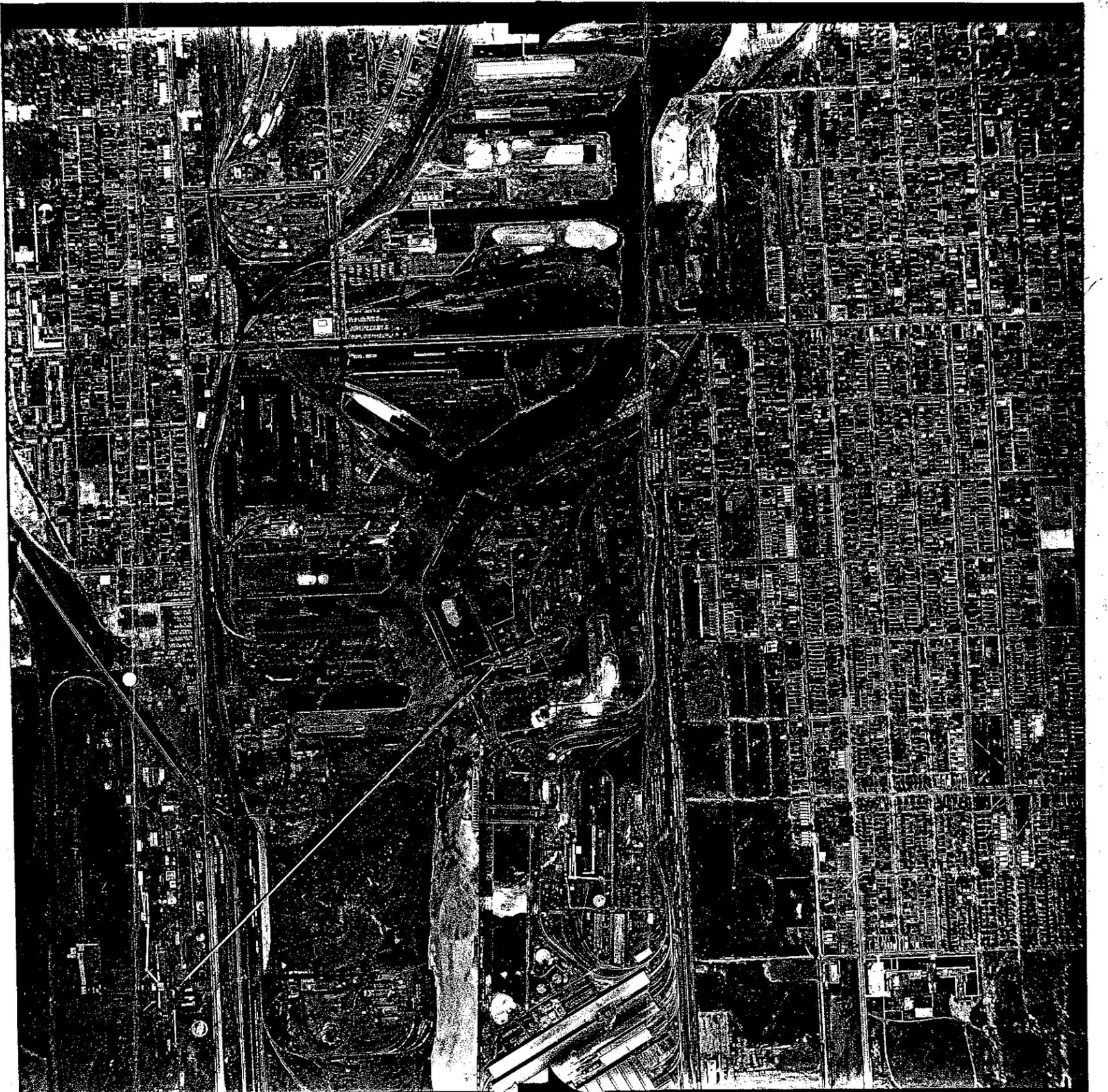
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GEONEX, INC. 2140 WOLF RD. • DES PLAINES, IL. 60018 • (708) 298-1480



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GEONEX, INC. 2140 WOLF RD. • DES PLAINES, IL. 60018 • (708) 298-1480



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GEONEX, INC. 2140 WOLF RD. • DES PLAINES, IL 60018 • (708) 298-1480

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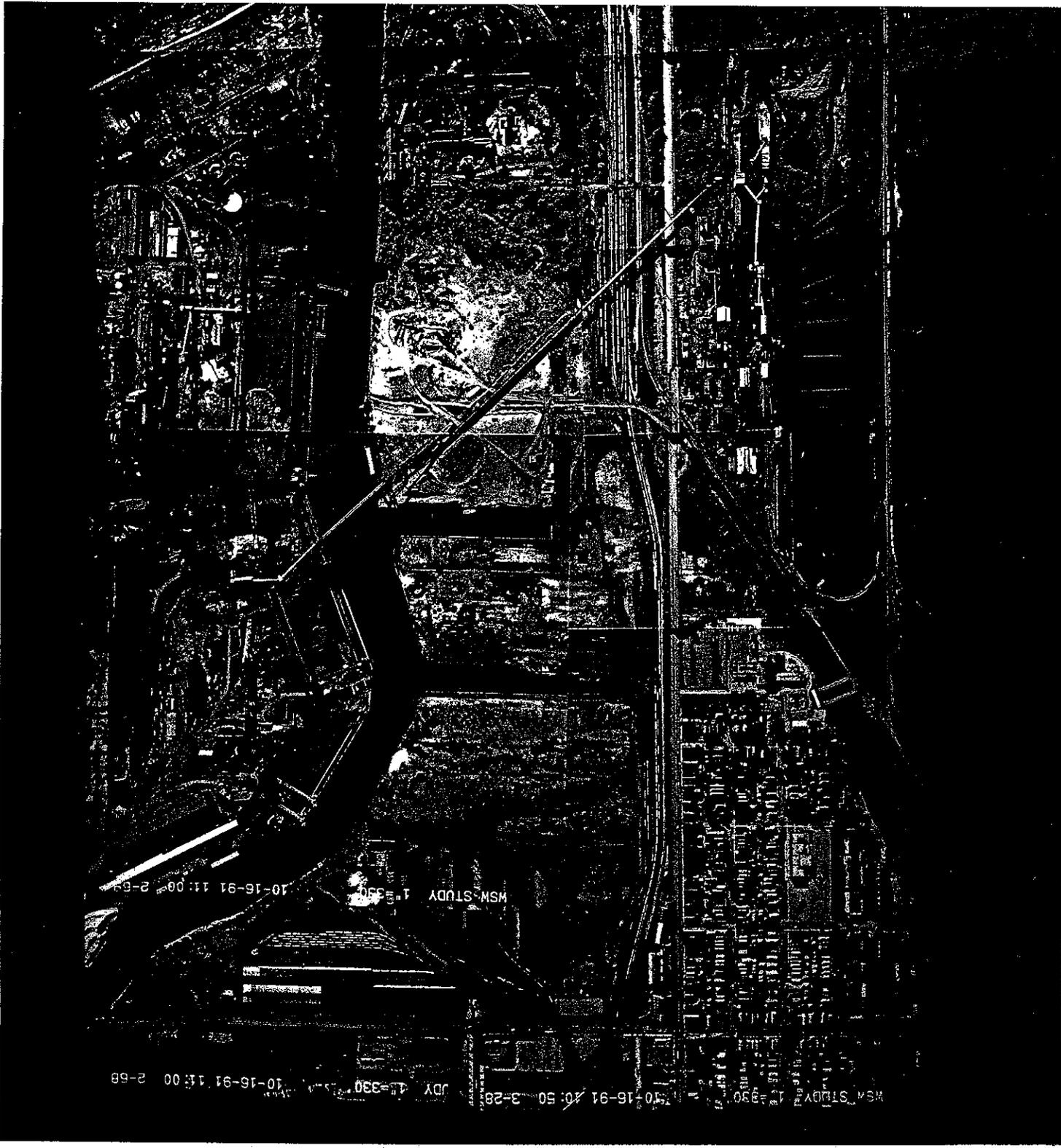
9-4-97

ABRAMS

1.573

New-1





10-16-91 11:00 2-58

MSM-STUDY 1-5-90

10-16-91 13:00 2-58

JDY 4-3-90

10-16-91 10:50 3-28

MSM-STUDY 1-5-90



INQUIRY #: 1624024.6

YEAR: 1952

| = 750'



9-12-58

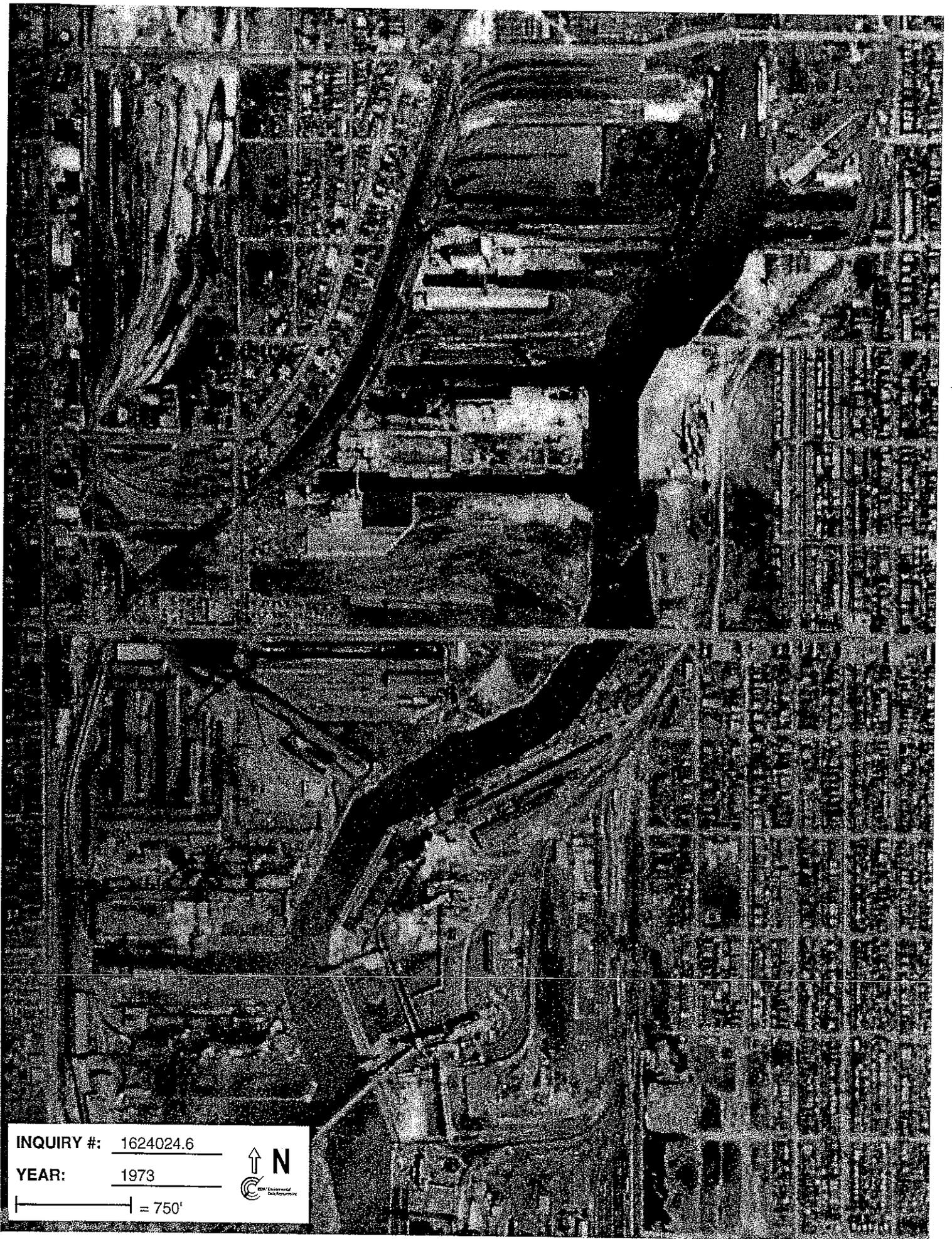


INQUIRY #: 1624024.6

YEAR: 1958

— | = 750'



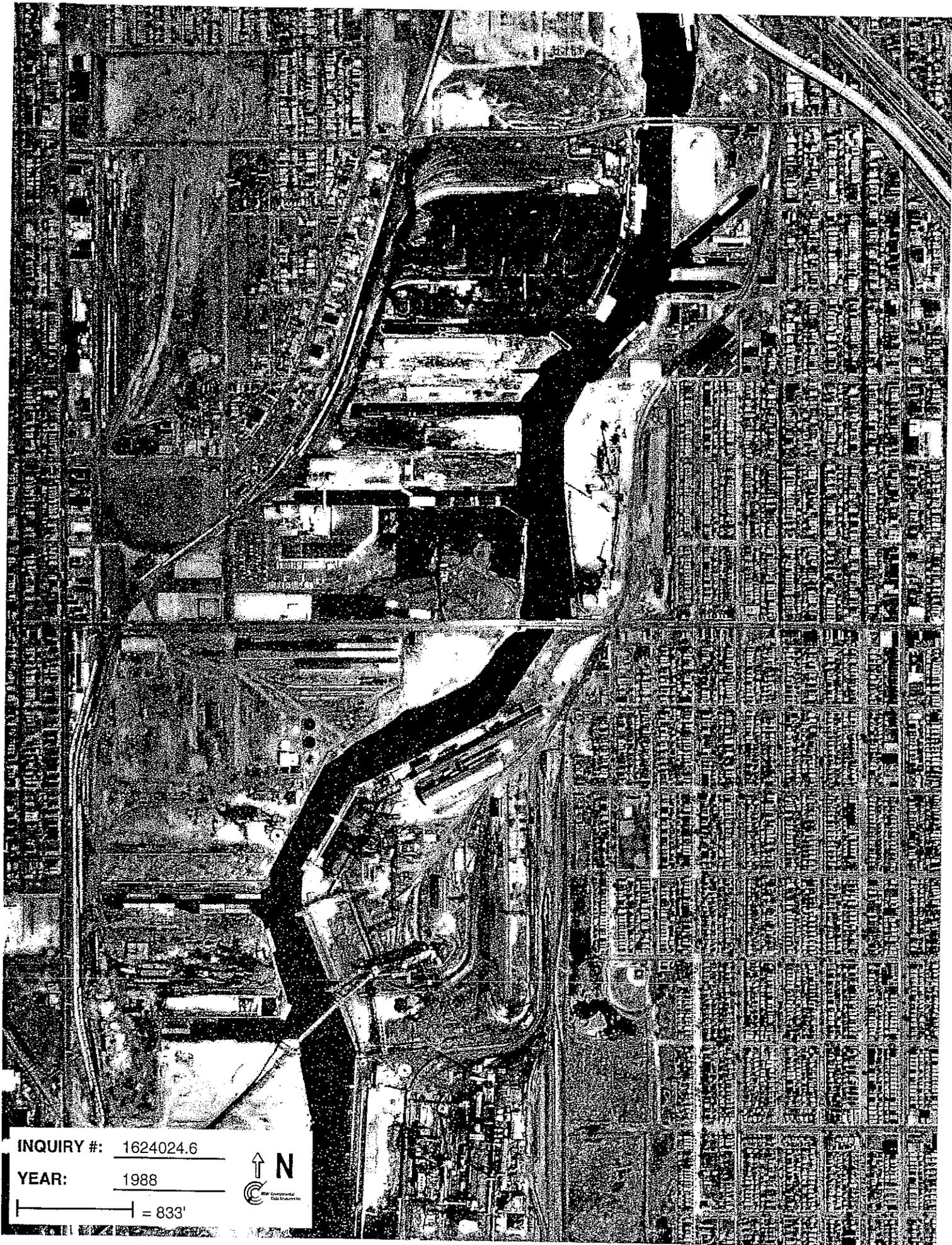


INQUIRY #: 1624024.6

YEAR: 1973

| = 750'





INQUIRY #: 1624024.6

YEAR: 1988

| = 833'



ARCADIS

Appendix C

Sanborn Fire Insurance Maps



EDR® Environmental
Data Resources Inc

"Linking Technology with Tradition"®

Sanborn® Map Transmittal

Ship To: Michele Gurgas

ARCADIS Geraghty &

35 East Wacker Drive

Chicago, IL 60601

Order Date: 3/1/2006 **Completion Date:** 3/1/2006

Inquiry #: 1624024.3S

P.O. #: CI664.18.3

Site Name: Repusto Scrap Yard

Address: 3033 East 106th Street

City/State: Chicago, IL 60617

Cross Streets:

Customer Project: WSW NE Parcel

1241353ZIP

312-263-6703

Based on client-supplied information, fire insurance maps for the following years were identified

1913 - 2 Maps

1947 - 3 Maps

1950 - 3 Maps

1976 - 3 Maps

1987 - 3 Maps

1989 - 3 Maps

1992 - 3 Maps

Limited Permission to Photocopy

Total Maps: 20

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USER'S GUIDE

This User's Guide provides guidelines for accessing Sanborn Map® images and for transferring them to your Word Processor.

Reading Sanborn Maps

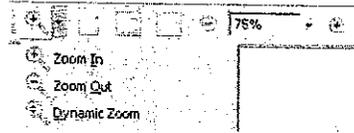
- Sanborn Maps document historical property use by displaying property information through words, abbreviations, and map symbols. The Sanborn Map Key provides information to help interpret the symbols and abbreviations used on Sanborn Maps. The Key is available from EDR's Web Site at: <http://www.edrnet.com/reports/samples/key.pdf>

Organization of Electronic Sanborn Image File

- Sanborn Map Report, listing years of coverage
- User's Guide
- Oldest Sanborn Map Image
- Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

1. Open file on screen.
2. Identify TP (Target Property) on the most recent map.
3. Find TP on older printed images.
4. Using Acrobat® Reader®, zoom to 250% in order to view more clearly. (200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.)
 - A. On the menu bar, click "View" and then "Zoom to..."
 - B. Or, use the magnifying tool and drag a box around the TP



Printing a Sanborn Map From the Electronic File

- EDR recommends printing images at 300 dpi (300 dpi prints faster than 600 dpi)
- To print only the TP area, cut and paste from Acrobat to your word processor application.

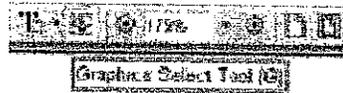
Acrobat Versions 6 and 7

1. Go to the menu bar
2. Click the "Select Tool"
3. Draw a box around the area selected
4. "Right click" on your mouse
5. Select "Copy Image to Clipboard"
6. Go to Word Processor such as Microsoft Word, paste and print.



Acrobat Version 5

1. Go to the menu bar
2. Click the "Graphics Select Tool"
3. Draw a box around the area selected
4. Go to "Menu"
5. Highlight "Edit"
6. Highlight "Copy"
7. Go to Word Processor such as Microsoft Word, paste and print.



Important Information about Email Delivery of Electronic Sanborn Map Images

- Images are grouped into one file, up to 2MB.
- In cases where in excess of 6-7 map years are available, the file size typically exceeds 2MB. In these cases, you will receive multiple files, labeled as "1 of 3", "2 of 3", etc. including all available map years.
- Due to file size limitations, certain ISPs, including AOL, may occasionally delay or decline to deliver files. Please contact your ISP to identify their specific file size limitations.



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101
DIVISION PLAT
(67-71) E. 109TH ST. 407' 0" WIDE

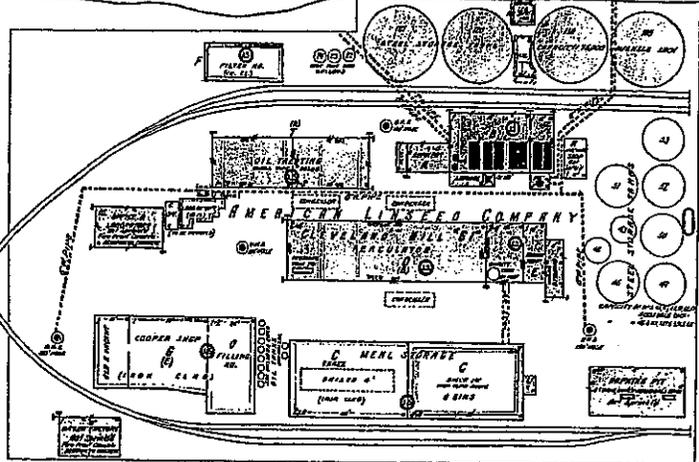
TORRENCE AV.



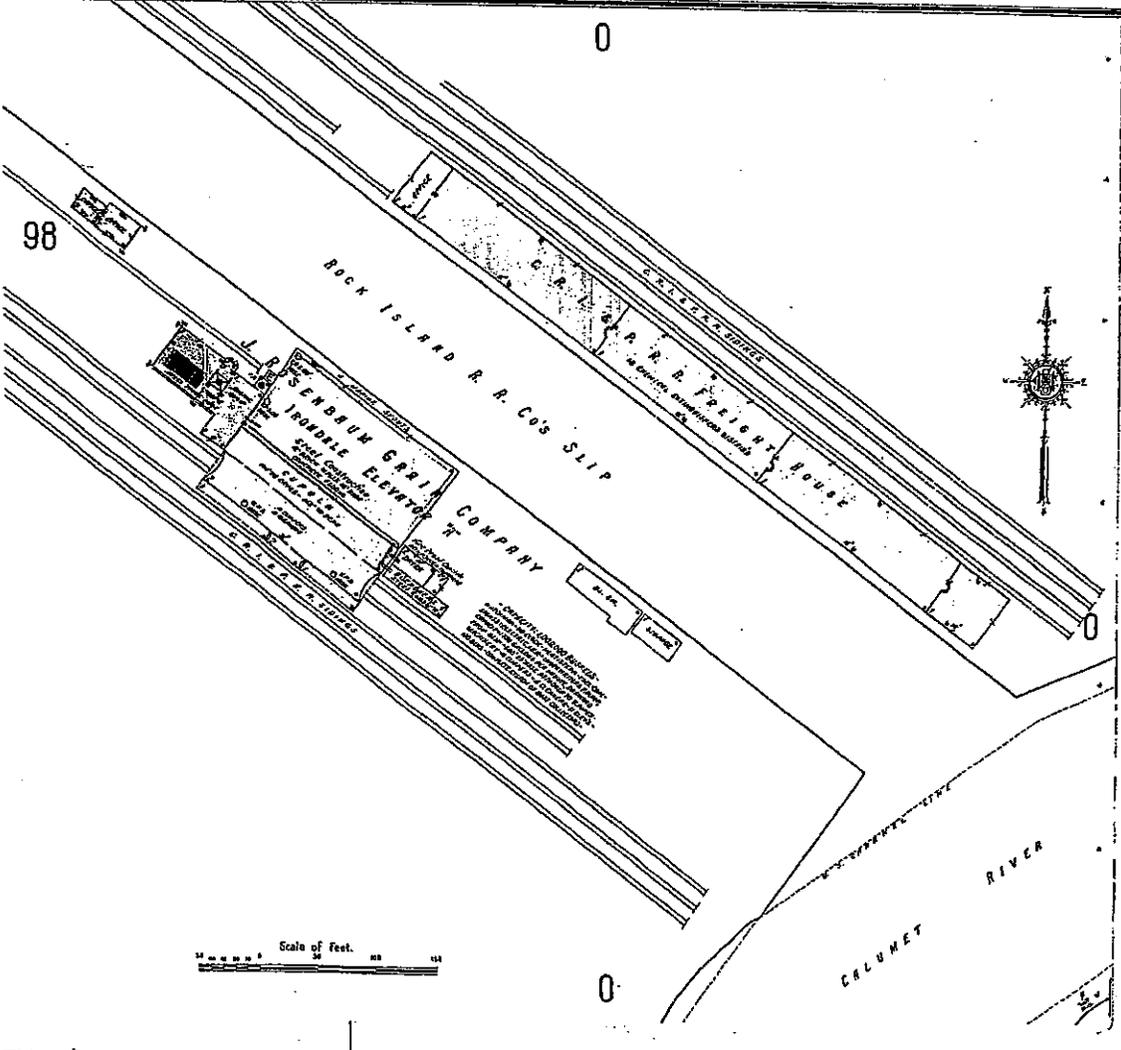
98

SLIP

NOTES:
1. ALL DIMENSIONS ARE IN FEET.
2. ALL DIMENSIONS ARE TO THE CENTER OF THE ROAD OR RAILROAD UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO THE CENTER OF THE BUILDING UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO THE CENTER OF THE LOT UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO THE CENTER OF THE STREET UNLESS OTHERWISE SPECIFIED.



E. 110TH ST. 407' 0" WIDE



Scale of Feet. 0 50 100

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98

R7-71

ILL. 085 NORTH SLIP

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TORRENCE AV

MANISTEE AV

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Admission Refused
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No Smoking

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No Dogs Allowed
No Smoking

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Admission Refused
No Dogs Allowed
No Smoking

SOUTH SLIP

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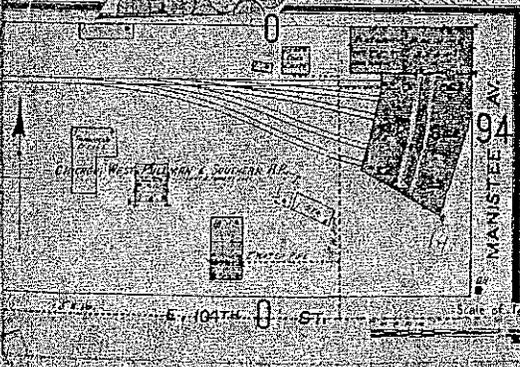
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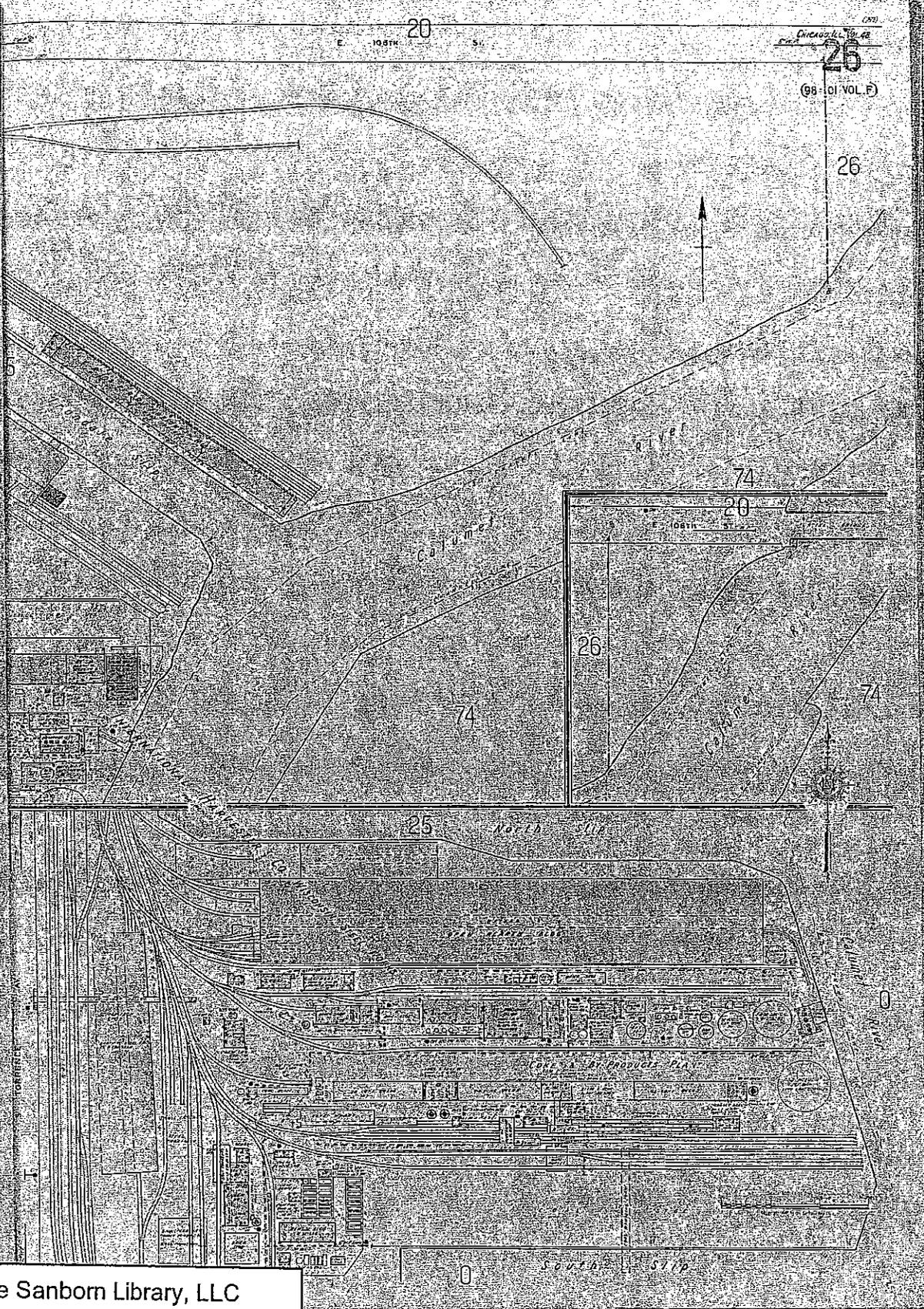


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E 108th St

11.5
0.25
CONCRETE
27.5
26
(98 OF VOL F)

26

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RIVER

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North St

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30

TOPEKA

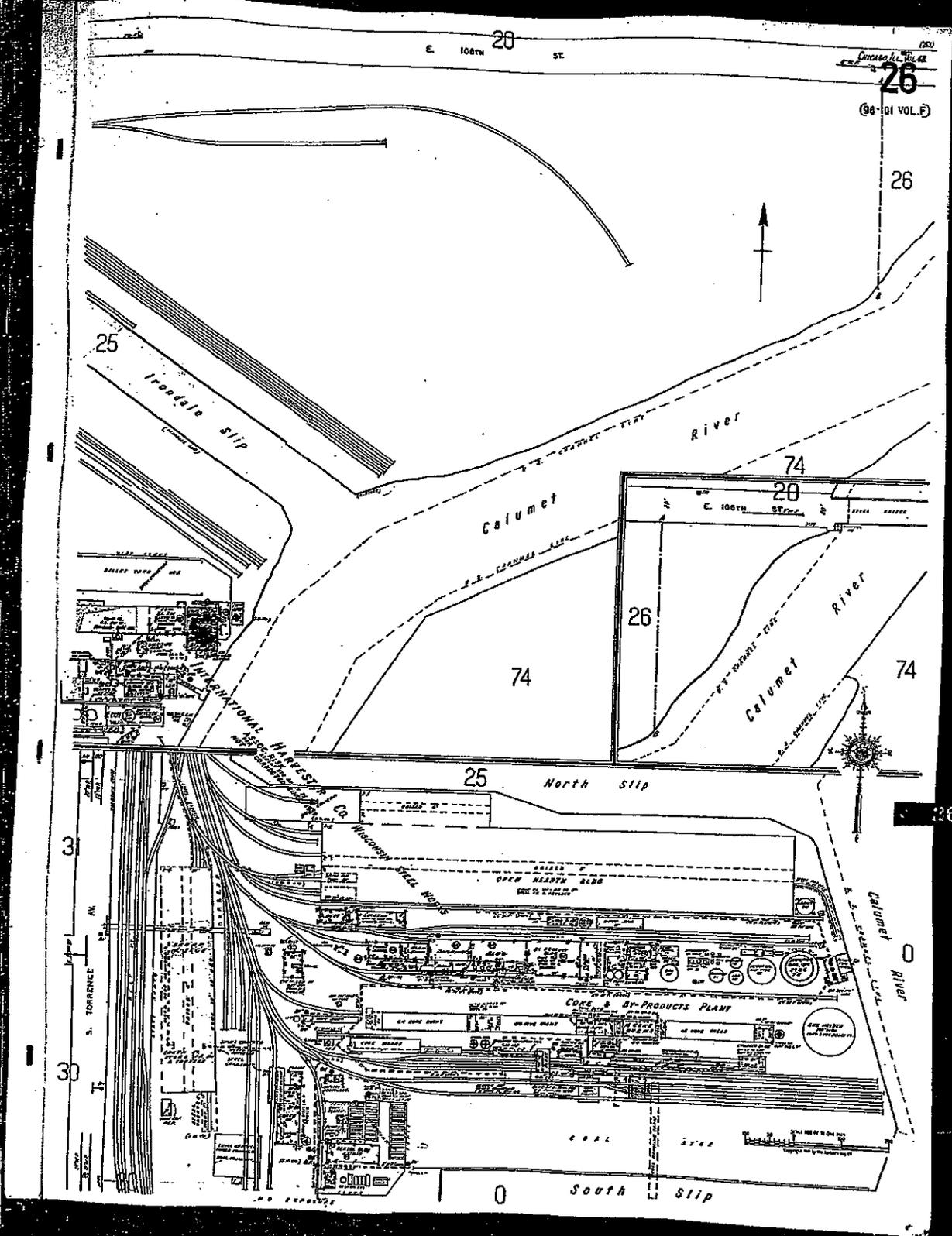
TOPEKA

COLEMAN ST

South St

0

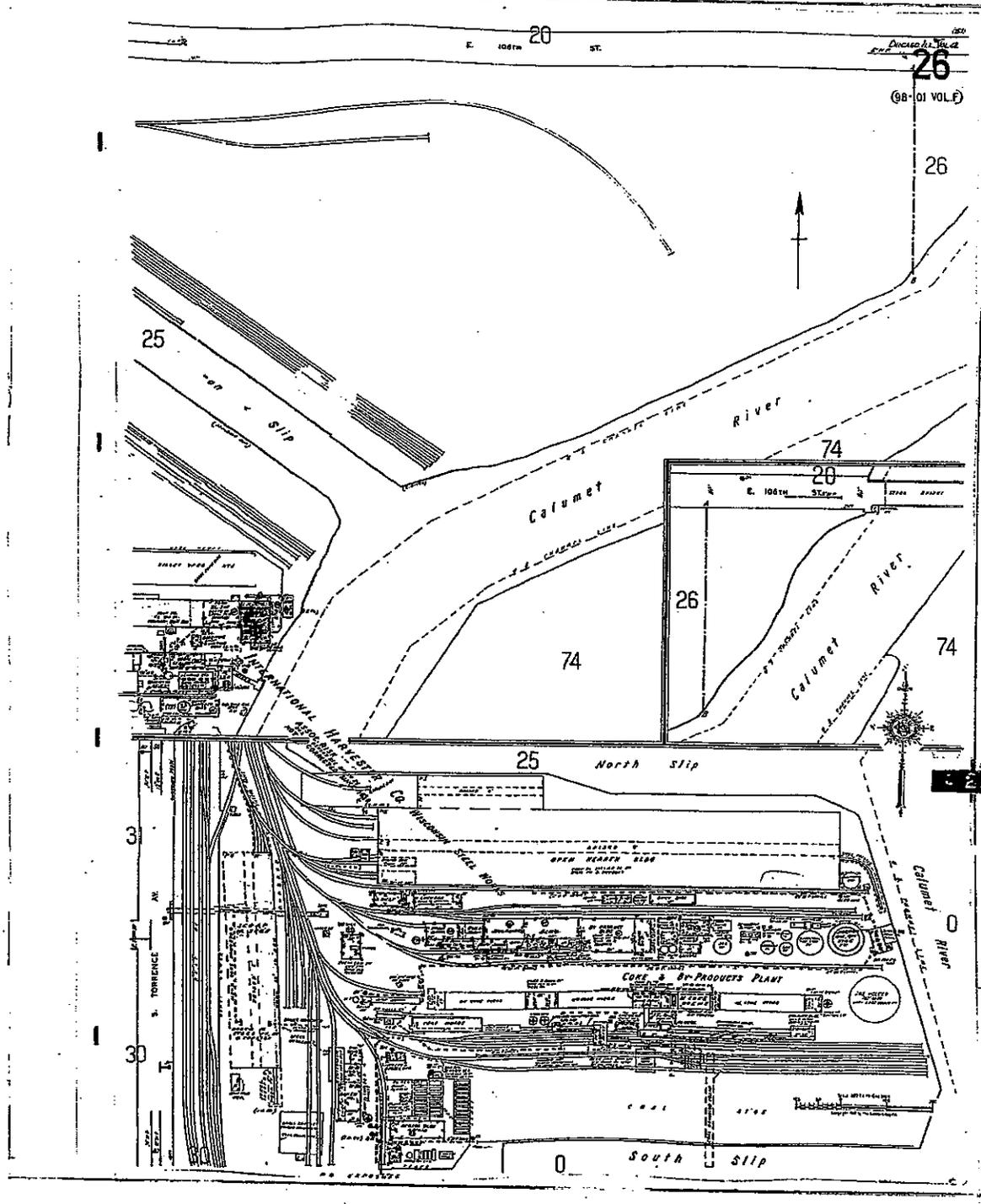
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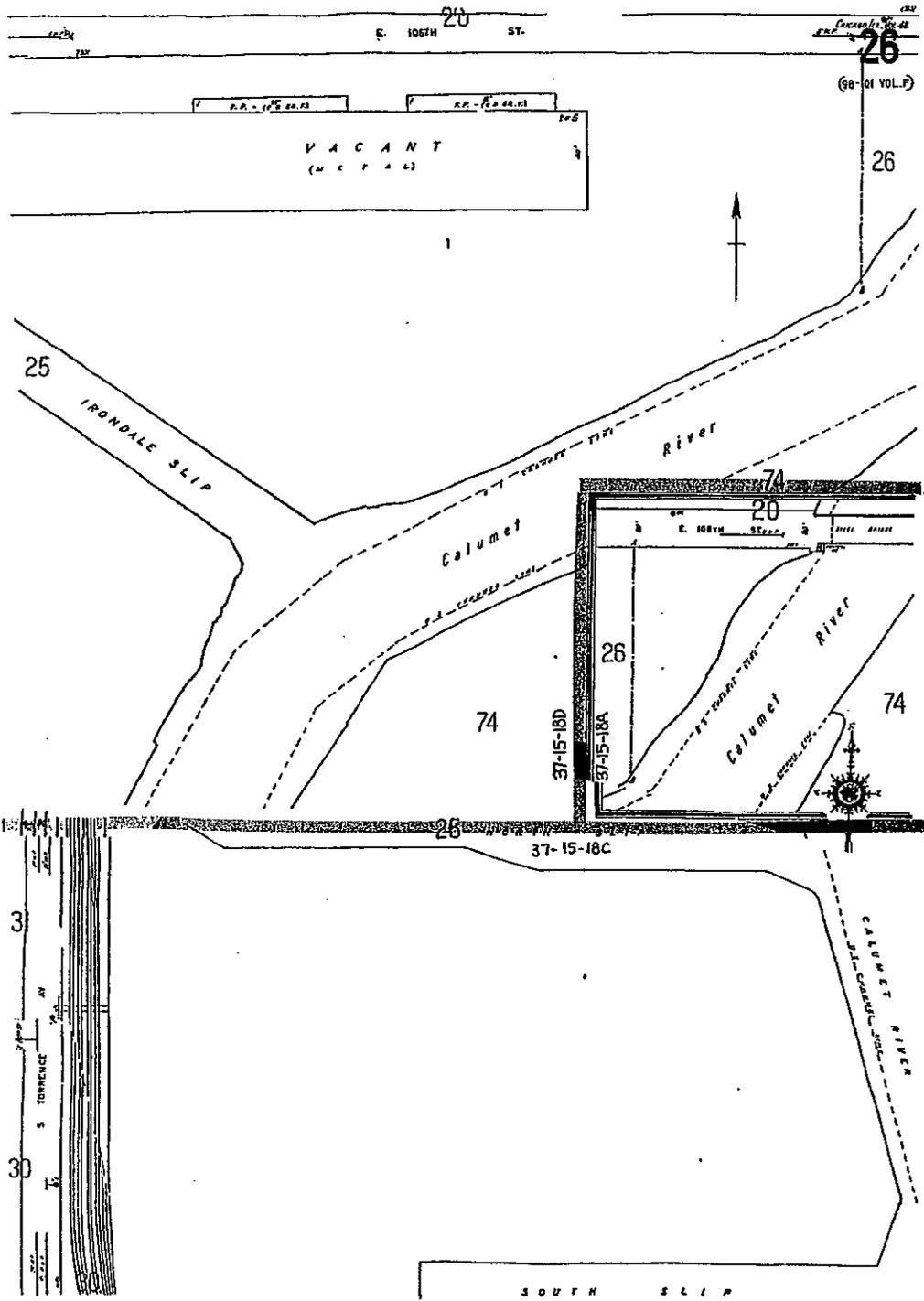
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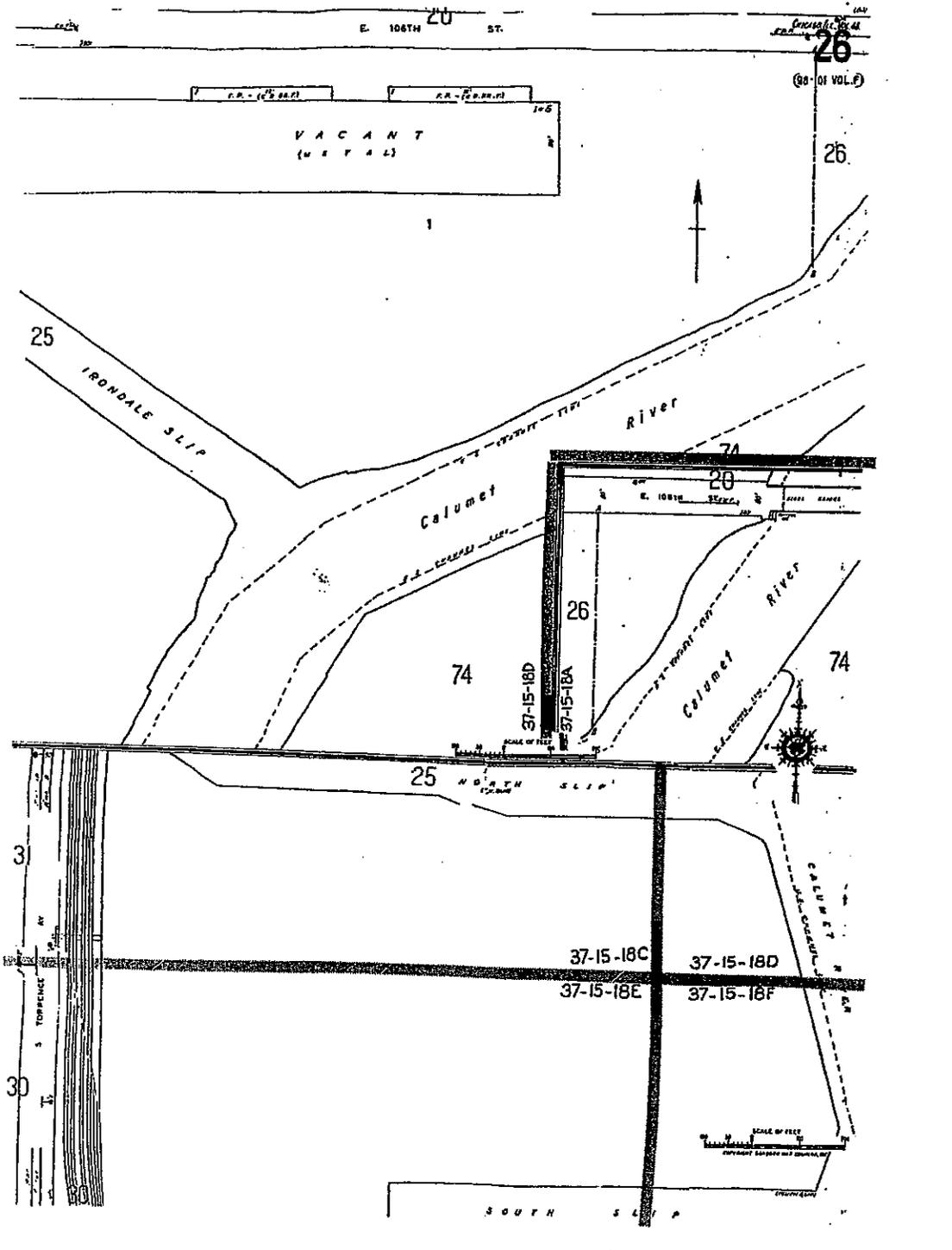
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Appendix D

Historic Topographic Maps



EDR™ Environmental
Data Resources Inc

**EDR Historical
Topographic Map
Report**

**Repusto Scrap Yard
3033 East 106th Street
Chicago, IL 60617**

Inquiry Number: 1624024.4

March 01, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.* To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 12.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

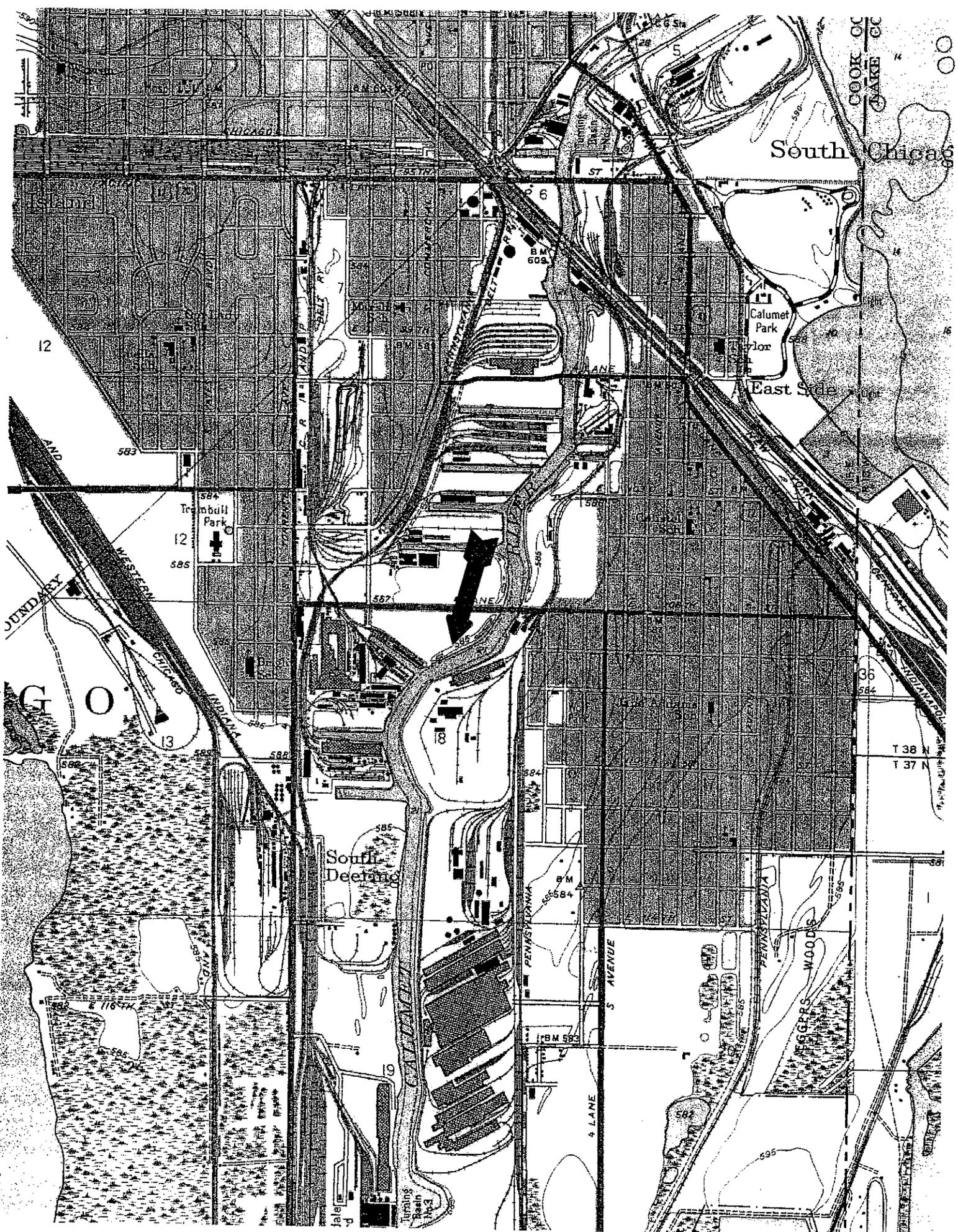
For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.

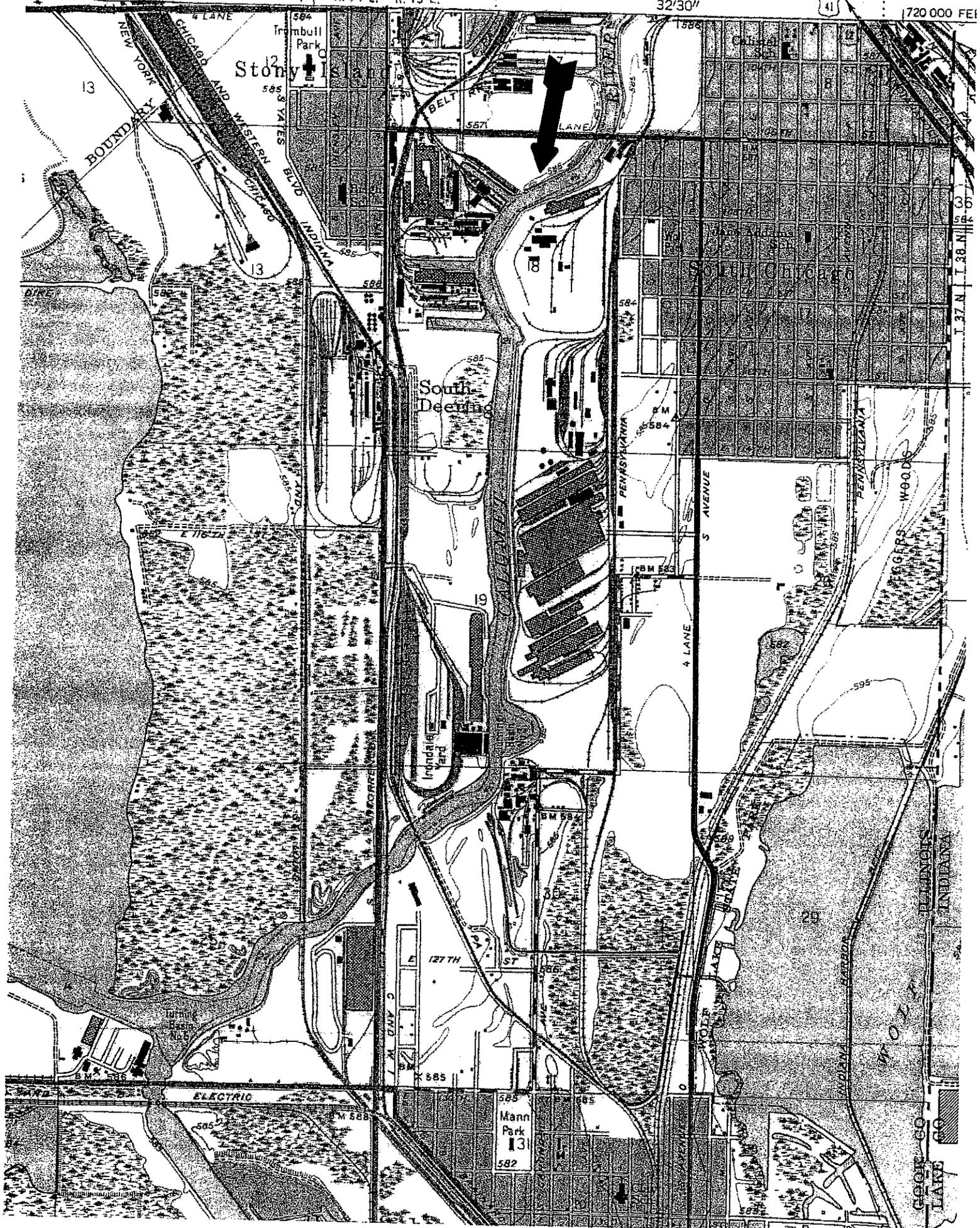
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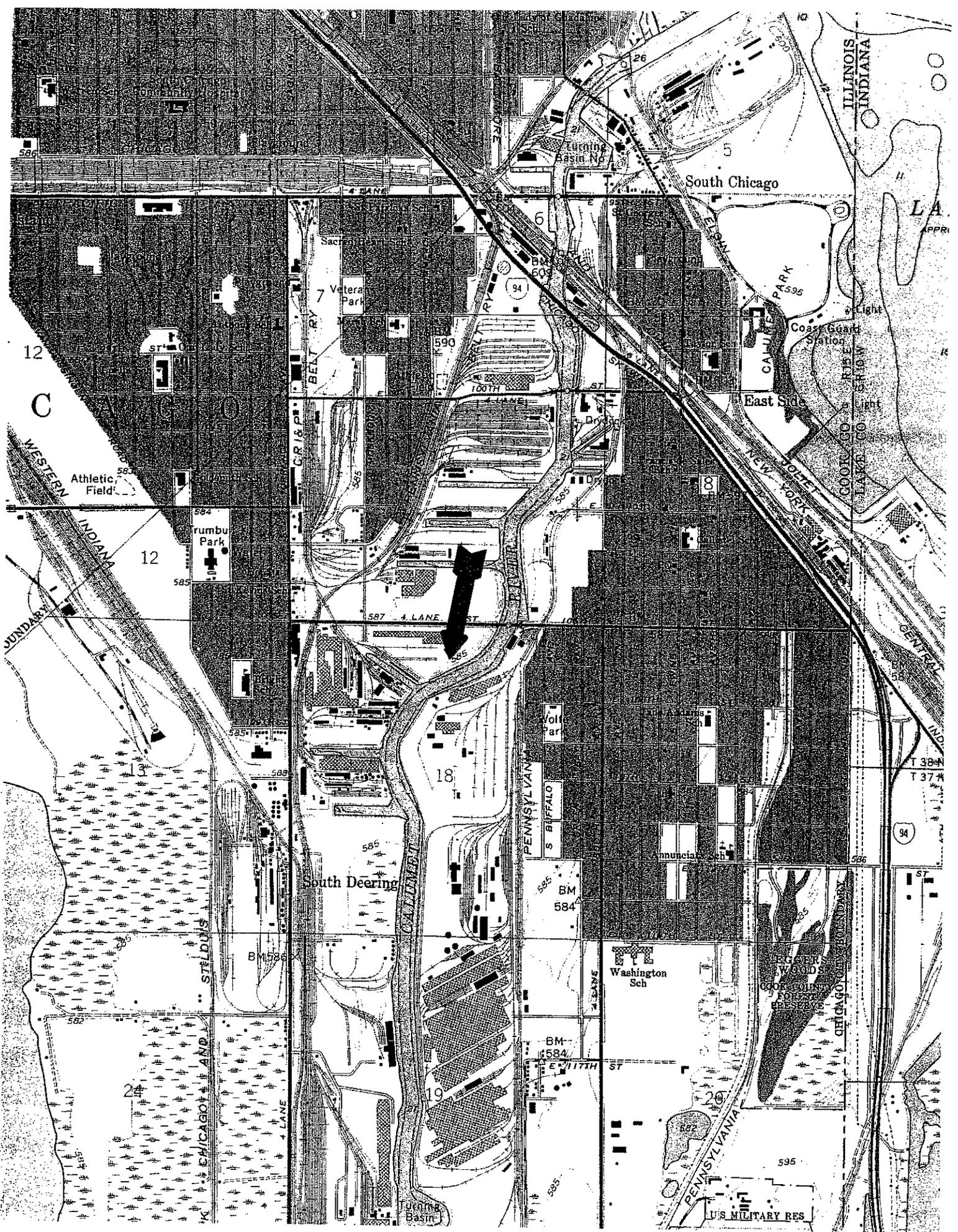
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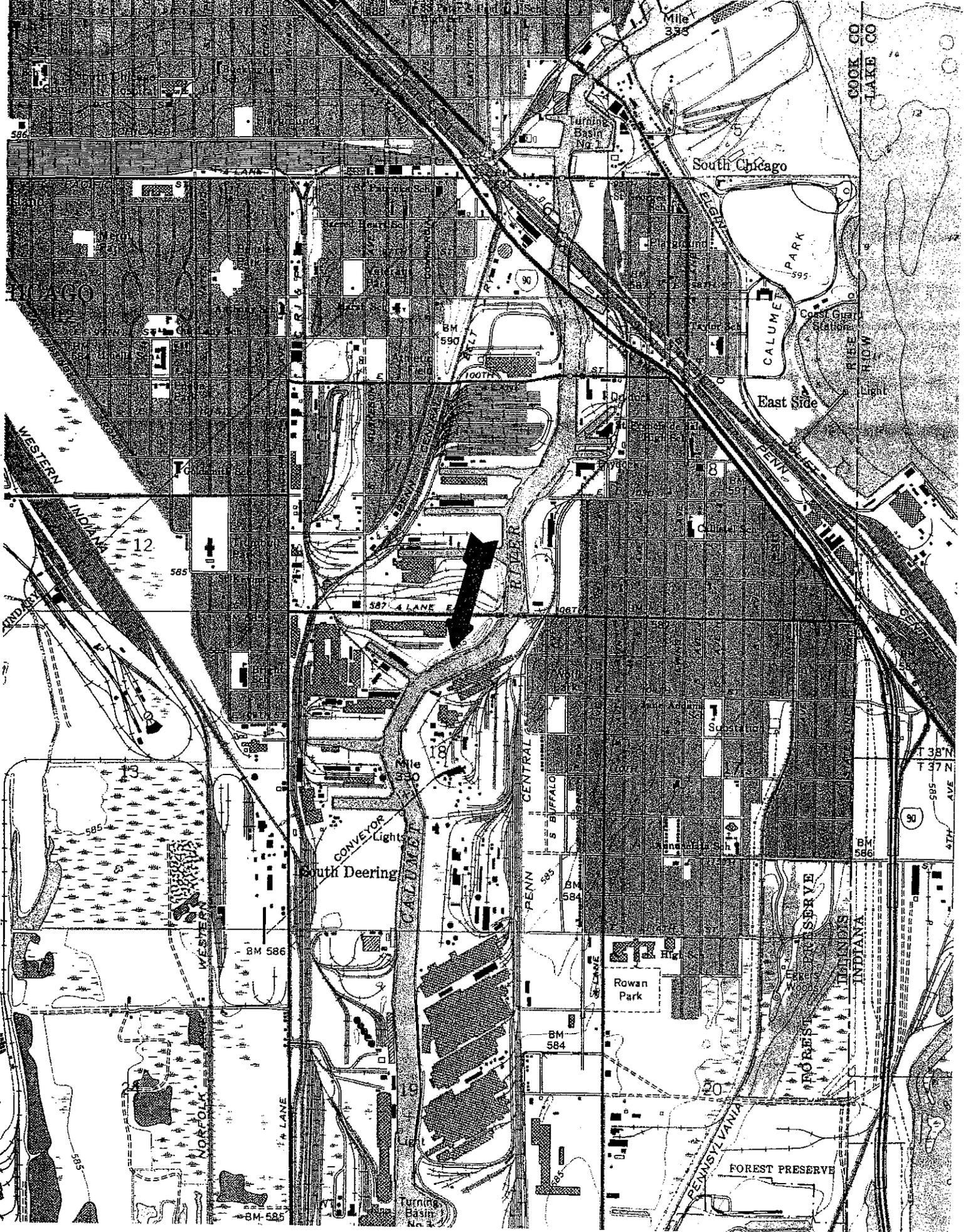
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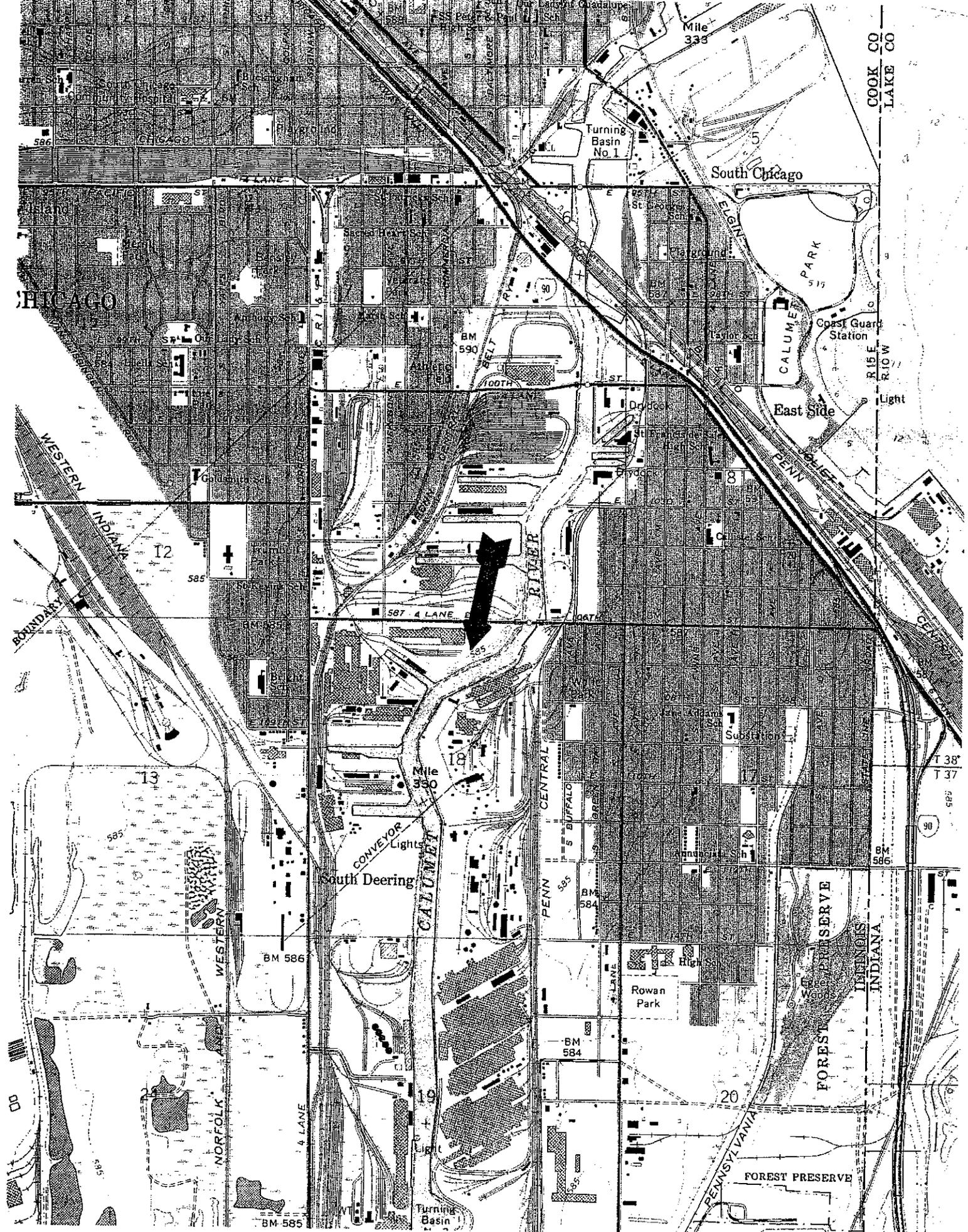
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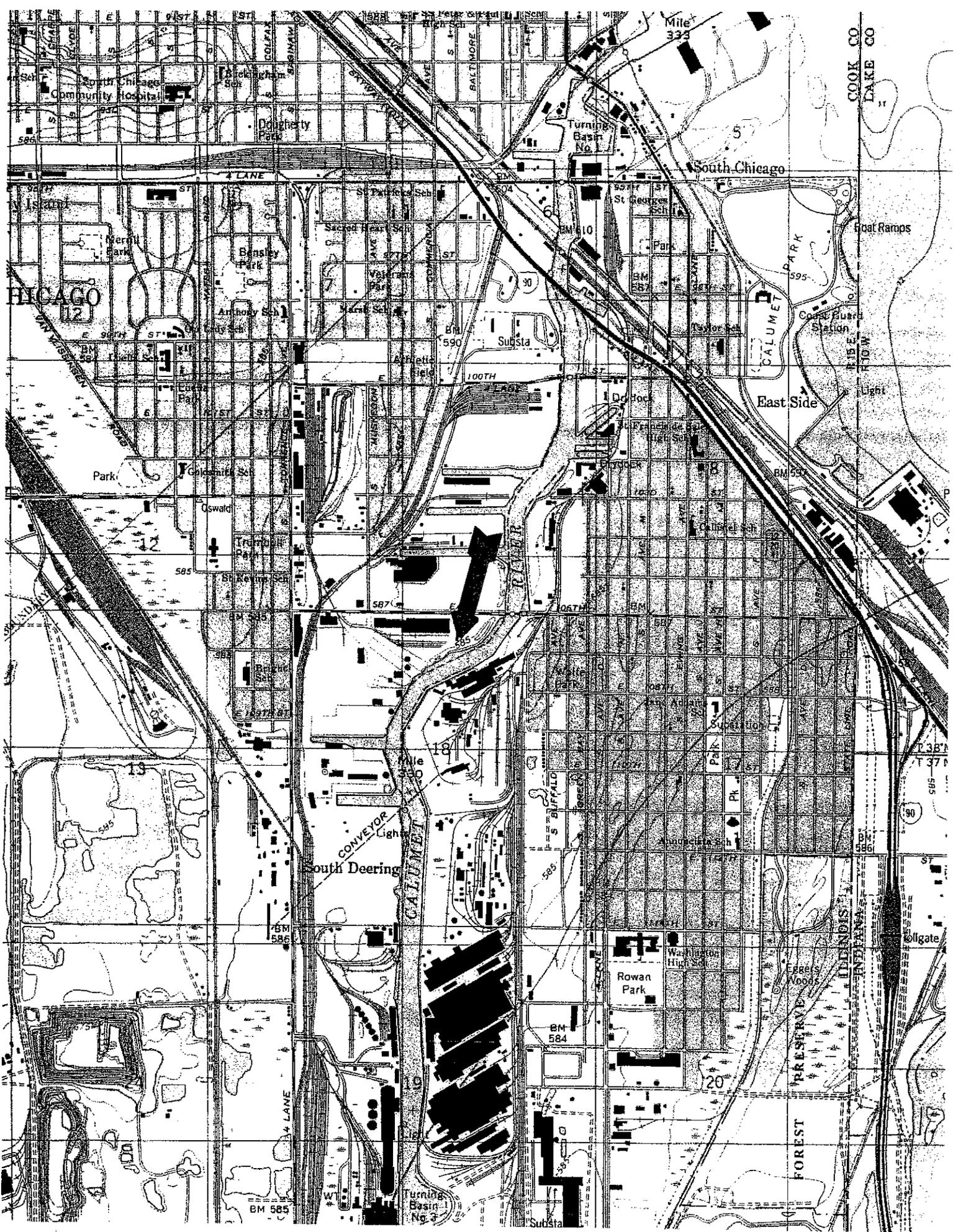


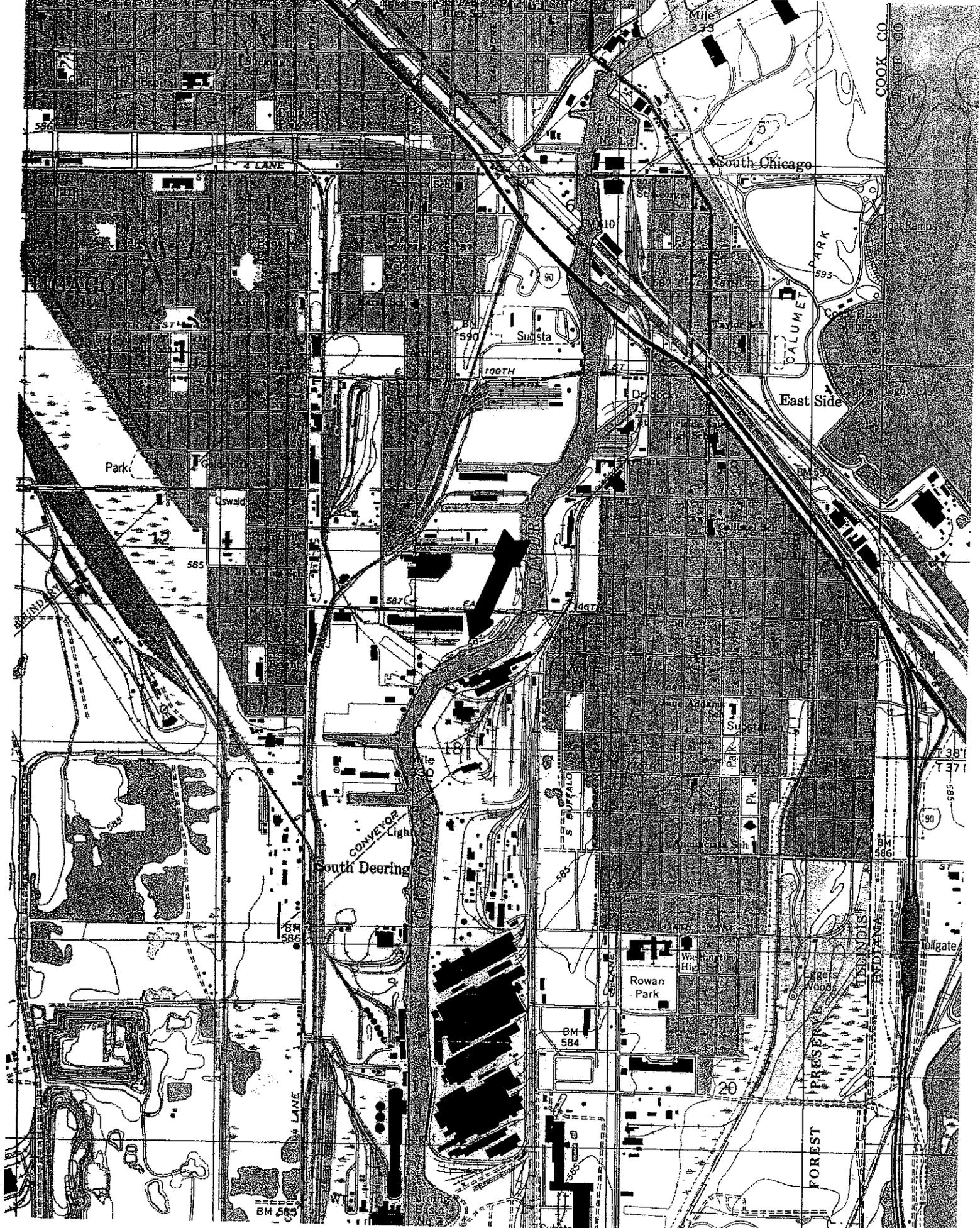












Appendix E

Site Photographs of Southern
Portion



Photograph 1 The Subject Property looking to the southwest.



Photograph 2 The Repusto property looking to the northeast.

Appendix F

Southern Portion Soil Boring
Logs



Boring Log: NPREC-1

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/6/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/6/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, some sand and gravel, fine to coarse, angular, brown, dry ASH, dark grey, dry
3						GP-SP	GRAVEL, fine to coarse, some sand and silt, angular, light grey to dark grey, dry
6						GP-SP	GRAVEL, fine to coarse, some sand and silt, angular, light grey to dark grey, moist
9							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jake Sampling Interval: 0-0.5, 0.5-3.0, 3-4
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPREC-2

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/6/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/6/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, little sand and gravel, fine to coarse, angular, red to brown, dry
							ASH, dark grey, dry
3						SP	SAND, fine, some silt, light brown, compact, dry
							SAND, fine, some silt, light brown, compact, dry
6							SAND, fine, some silt, light brown, compact, wet
9							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jake Sampling Interval: 0-0.5, 0.5-3.0, 6.5-7.5
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPREC-3

Project Name: <u>Former WSW Northeast Parcel Soil</u>	Date Started: <u>7/6/06</u>	Logger: <u>Wright</u>
Project Number: <u>CI000664.0018.00003</u>	Date Completed: <u>7/6/06</u>	Editor: <u>Wright</u>

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						FILL	ASH, dark grey, dry
3							SLAG, mixture of gravel, sand, silt, and clay, fine to coarse, angular, brown to grey, dry
6						CL-ML	SILTY CLAY, some sand and gravel, fine to coarse, angular, red to brown, dry
9						CL-ML	SILTY CLAY, some sand and gravel, fine to coarse, angular, red to brown, wet
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jake Sampling Interval: 0-0.5, 0.5-3.0, 6.5-7.5
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPREC-4

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, with gravel, fine to medium, angular, loose, dry, grey to brown
						CL-ML	ASH, sand and gravel size, angular, loose, dry, black with metallic luster
3						CL-ML	SILTY CLAY, with sand and gravel, fine to coarse, angular, loose, dry, grey to brown with orange mottling from 4.5 to 5.0 ft bls
6						CL-ML	SILTY CLAY, with sand and gravel, fine to coarse, angular, loose, dry, grey to brown with orange mottling
						FILL	SLAG, gravel with sand, fine to coarse, trace silt and clay, loose, moist starting at 7.3 ft bls, dark grey
9							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 6.5-7.5
 Drilling Method: Direct-Push Drilling Fluid: None

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, with gravel, fine to coarse, angular, loose, dry, grey to brown
						GP-SP	GRAVEL, with sand and silt, fine to coarse, angular, loose, dry, piece of metal at 1.3 ft bls, grey
3							End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab Grab Sample to Lab Sample Not Analyzed Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPREC-6

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	ASH, gravel to sand size, loose, dry, with organics (roots), black
						GP-SP	SAND, with gravel and silt, some ash, loose, dry brown to grey to black
3							GRAVEL, some sand, fine to coarse, angular, loose, dry, light brown to white
6							End of Boring
9							
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPREC-7

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: C1000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	GRAVELLY SAND, with some silt and clay, fine to coarse, angular, ash mixed throughout the core, loose, dry, grey to black some orange
3							End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab Grab Sample to Lab Sample Not Analyzed Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPREC-8

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						GP-SP	GRAVELLY SAND, with some silt, fine to coarse, angular, ash mixed throughout the core, loose, dry, grey to brown some orange
						CL-ML	SILTY CLAY, some gravel, fine, compact, moist to wet, brown
3						GP-SP	GRAVELLY SAND, fine to coarse, ash mixed throughout the core, dry, grey to black with lense of orange
							End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPREC-9

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						GP-SP	SANDY GRAVEL, fine to coarse, some silt, ash present, loose, dry, brown to grey
						OH	WOOD, pieces of wood, moist, orange to brown to dark brown
3						CL-ML	SILTY CLAY, some gravel, compact, moist, orange to dark grey
							End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPREC-10

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						GP-SP	SANDY GRAVEL, fine to coarse, some silt, ash present, loose, dry, brown to grey
3							End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPREC-11

Project Name: Former WSW Northeast Parcel Soil Date Started: 11/7/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 11/7/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						GP-SP	GRAVELLY SAND, fine to coarse, trace ash from 2.4 to 2.6 ft bls, loose, dry, grey to brown
3						GP-SP	GRAVEL, some sand, coarse, angular, loose, dry, grey End of Boring
6							
9							
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 0.0-0.5, 0.5-3.0
 Drilling Method: Direct-Push Drilling Fluid: None

ARCADIS

Appendix G

Southern Portion laboratory
Analytical Reports



STL

ANALYTICAL REPORT

Job Number: 680-18211-1

Job Description: Wisconsin Steel Works

For:
ARCADIS G&M, Inc.
35 East Wacker Drive
Suite 1000
Chicago, IL 60601

Attention: Ms. Michele Gurgas

Kathryn Smith
Project Manager I
kesmith@stl-inc.com
08/18/2006
Revision: 1

Project Manager: Kathryn Smith

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Severn Trent Laboratories, Inc.

STL Savannah 5102 LaRoche Avenue, Savannah, GA 31404
Tel (912) 354-7858 Fax (912) 351-3673 www.stl-inc.com



METHOD SUMMARY

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL SAV	SW846 8260B	
Closed System Purge & Trap/Field Preservation	STL SAV		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL SAV	SW846 8270C	
Ultrasonic Extraction	STL SAV		SW846 3550B
Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography	STL SAV	SW846 8081A_8082	
Ultrasonic Extraction	STL SAV		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SAV	SW846 6010B	
Acid Digestion of Sediments, Sludges, and Soils	STL SAV		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	STL SAV	SW846 7471A	
Mercury in Solid or Semi-Solid Waste (Manual	STL SAV		SW846 7471A
Percent Moisture	STL SAV	EPA PercentMoisture	

LAB REFERENCES:

STL SAV = STL Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-18211-1	NPREC-1-0.0-0.5	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-2	NPREC-1-0.5-3.0	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-3	NPREC-1-3.0-4.0	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-4	NPREC-2-0.0-0.5	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-5	NPREC-2-0.5-3.0	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-6	NPREC-2-6.5-7.5	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-7	NPREC-3-0.0-0.5	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-8	NPREC-3-0.5-3.0	Solid	07/06/2006 0000	07/07/2006 0900
680-18211-9	NPREC-3-6.5-7.5	Solid	07/06/2006 0000	07/07/2006 0900

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-49917	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0057.d
Dilution:	1.0		Initial Weight/Volume: 5.8 g
Date Analyzed:	07/14/2006 1704		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		4.1	U	4.1
Bromomethane		4.1	U	4.1
Vinyl chloride		4.1	U	4.1
Chloroethane		4.1	U	4.1
Methylene Chloride		4.1	U	4.1
Acetone		130	*	41
Carbon disulfide		4.1	U	4.1
1,1-Dichloroethene		4.1	U	4.1
1,1-Dichloroethane		4.1	U	4.1
cis-1,2-Dichloroethene		4.1	U	4.1
trans-1,2-Dichloroethene		4.1	U	4.1
Chloroform		4.1	U	4.1
1,2-Dichloroethane		4.1	U	4.1
Methyl Ethyl Ketone		31		20
1,1,1-Trichloroethane		4.1	U	4.1
Carbon tetrachloride		4.1	U	4.1
Dichlorobromomethane		4.1	U	4.1
1,1,2,2-Tetrachloroethane		4.1	U	4.1
1,2-Dichloropropane		4.1	U	4.1
trans-1,3-Dichloropropene		4.1	U	4.1
Trichloroethene		4.1	U	4.1
Chlorodibromomethane		4.1	U	4.1
1,1,2-Trichloroethane		4.1	U	4.1
Benzene		4.1	U	4.1
cis-1,3-Dichloropropene		4.1	U	4.1
Bromoform		4.1	U	4.1
2-Hexanone		20	U	20
methyl isobutyl ketone		20	U	20
Tetrachloroethene		4.1	U	4.1
Toluene		4.1	U	4.1
Chlorobenzene		4.1	U	4.1
Ethylbenzene		4.1	U	4.1
Styrene		4.1	U	4.1
Xylenes, Total		8.2	U	8.2
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		91		65 - 128
4-Bromofluorobenzene		90		68 - 121
Dibromofluoromethane		102		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 680-50021

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-49464

Lab File ID: m0065.d

Dilution: 40

Initial Weight/Volume: 4.2 g

Date Analyzed: 07/14/2006 1952

Final Weight/Volume: 5 g

Date Prepared: 07/10/2006 1258

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		260	U	260
Bromomethane		260	U	260
Vinyl chloride		260	U	260
Chloroethane		260	U	260
Methylene Chloride		260	U	260
Acetone		2600	U*	2600
Carbon disulfide		260	U	260
1,1-Dichloroethene		260	U	260
1,1-Dichloroethane		260	U	260
cis-1,2-Dichloroethene		260	U	260
trans-1,2-Dichloroethene		260	U	260
Chloroform		260	U	260
1,2-Dichloroethane		260	U	260
Methyl Ethyl Ketone		1300	U	1300
1,1,1-Trichloroethane		260	U	260
Carbon tetrachloride		260	U	260
Dichlorobromomethane		260	U	260
1,1,2,2-Tetrachloroethane		260	U	260
1,2-Dichloropropane		260	U	260
trans-1,3-Dichloropropene		260	U	260
Trichloroethene		260	U	260
Chlorodibromomethane		260	U	260
1,1,2-Trichloroethane		260	U	260
Benzene		760		260
cis-1,3-Dichloropropene		260	U	260
Bromoform		260	U	260
2-Hexanone		1300	U	1300
methyl isobutyl ketone		1300	U	1300
Tetrachloroethene		260	U	260
Toluene		610		260
Chlorobenzene		260	U	260
Ethylbenzene		260	U	260
Styrene		260	U	260
Xylenes, Total		600		520
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		97		65 - 128
4-Bromofluorobenzene		112		68 - 121
Dibromofluoromethane		118		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-50021	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0066.d
Dilution:	40		Initial Weight/Volume: 3.3 g
Date Analyzed:	07/14/2006 2015		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		330	U	330
Bromomethane		330	U	330
Vinyl chloride		330	U	330
Chloroethane		330	U	330
Methylene Chloride		330	U	330
Acetone		3300	U*	3300
Carbon disulfide		330	U	330
1,1-Dichloroethene		330	U	330
1,1-Dichloroethane		330	U	330
cis-1,2-Dichloroethene		330	U	330
trans-1,2-Dichloroethene		330	U	330
Chloroform		330	U	330
1,2-Dichloroethane		330	U	330
Methyl Ethyl Ketone		1700	U	1700
1,1,1-Trichloroethane		330	U	330
Carbon tetrachloride		330	U	330
Dichlorobromomethane		330	U	330
1,1,2,2-Tetrachloroethane		330	U	330
1,2-Dichloropropane		330	U	330
trans-1,3-Dichloropropene		330	U	330
Trichloroethene		330	U	330
Chlorodibromomethane		330	U	330
1,1,2-Trichloroethane		330	U	330
Benzene		330	U	330
cis-1,3-Dichloropropene		330	U	330
Bromoform		330	U	330
2-Hexanone		1700	U	1700
methyl isobutyl ketone		1700	U	1700
Tetrachloroethene		330	U	330
Toluene		350		330
Chlorobenzene		330	U	330
Ethylbenzene		330	U	330
Styrene		330	U	330
Xylenes, Total		660	U	660
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		90		65 - 128
4-Bromofluorobenzene		96		68 - 121
Dibromofluoromethane		102		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.0-0.5

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 680-49917

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-49464

Lab File ID: m0058.d

Dilution: 1.0

Initial Weight/Volume: 5.4 g

Date Analyzed: 07/14/2006 1727

Final Weight/Volume: 5 g

Date Prepared: 07/10/2006 1258

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		4.7	U	4.7
Bromomethane		4.7	U	4.7
Vinyl chloride		4.7	U	4.7
Chloroethane		4.7	U	4.7
Methylene Chloride		4.7	U	4.7
Acetone		58	*	47
Carbon disulfide		4.7	U	4.7
1,1-Dichloroethene		4.7	U	4.7
1,1-Dichloroethane		4.7	U	4.7
cis-1,2-Dichloroethene		4.7	U	4.7
trans-1,2-Dichloroethene		4.7	U	4.7
Chloroform		4.7	U	4.7
1,2-Dichloroethane		4.7	U	4.7
Methyl Ethyl Ketone		24	U	24
1,1,1-Trichloroethane		4.7	U	4.7
Carbon tetrachloride		4.7	U	4.7
Dichlorobromomethane		4.7	U	4.7
1,1,2,2-Tetrachloroethane		4.7	U	4.7
1,2-Dichloropropane		4.7	U	4.7
trans-1,3-Dichloropropene		4.7	U	4.7
Trichloroethene		4.7	U	4.7
Chlorodibromomethane		4.7	U	4.7
1,1,2-Trichloroethane		4.7	U	4.7
Benzene		4.7	U	4.7
cis-1,3-Dichloropropene		4.7	U	4.7
Bromoform		4.7	U	4.7
2-Hexanone		24	U	24
methyl isobutyl ketone		24	U	24
Tetrachloroethene		4.7	U	4.7
Toluene		4.7	U	4.7
Chlorobenzene		4.7	U	4.7
Ethylbenzene		4.7	U	4.7
Styrene		4.7	U	4.7
Xylenes, Total		9.4	U	9.4
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		95		65 - 128
4-Bromofluorobenzene		100		68 - 121
Dibromofluoromethane		92		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-50303	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0071.d
Dilution:	1.0		Initial Weight/Volume: 4.2 g
Date Analyzed:	07/19/2006 1846		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		8.1	U	8.1
Bromomethane		8.1	U	8.1
Vinyl chloride		8.1	U	8.1
Chloroethane		8.1	U	8.1
Methylene Chloride		8.1	U	8.1
Acetone		92		81
Carbon disulfide		8.1	U	8.1
1,1-Dichloroethene		8.1	U	8.1
1,1-Dichloroethane		8.1	U	8.1
cis-1,2-Dichloroethene		8.1	U	8.1
trans-1,2-Dichloroethene		8.1	U	8.1
Chloroform		8.1	U	8.1
1,2-Dichloroethane		8.1	U	8.1
Methyl Ethyl Ketone		40	U	40
1,1,1-Trichloroethane		8.1	U	8.1
Carbon tetrachloride		8.1	U	8.1
Dichlorobromomethane		8.1	U	8.1
1,1,2,2-Tetrachloroethane		8.1	U	8.1
1,2-Dichloropropane		8.1	U	8.1
trans-1,3-Dichloropropene		8.1	U	8.1
Trichloroethene		8.1	U	8.1
Chlorodibromomethane		8.1	U	8.1
1,1,2-Trichloroethane		8.1	U	8.1
Benzene		8.1	U	8.1
cis-1,3-Dichloropropene		8.1	U	8.1
Bromoform		8.1	U	8.1
2-Hexanone		40	U	40
methyl isobutyl ketone		40	U	40
Tetrachloroethene		8.1	U	8.1
Toluene		8.1	U	8.1
Chlorobenzene		8.1	U	8.1
Ethylbenzene		8.1	U	8.1
Styrene		8.1	U	8.1
Xylenes, Total		16	U	16
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		88		65 - 128
4-Bromofluorobenzene		86		68 - 121
Dibromofluoromethane		95		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-50303	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0072.d
Dilution:	1.0		Initial Weight/Volume: 5.5 g
Date Analyzed:	07/19/2006 1918		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		5.2	U	5.2
Bromomethane		5.2	U	5.2
Vinyl chloride		5.2	U	5.2
Chloroethane		5.2	U	5.2
Methylene Chloride		5.2	U	5.2
Acetone		52	U	52
Carbon disulfide		5.2	U	5.2
1,1-Dichloroethene		5.2	U	5.2
1,1-Dichloroethane		5.2	U	5.2
cis-1,2-Dichloroethene		5.2	U	5.2
trans-1,2-Dichloroethene		5.2	U	5.2
Chloroform		5.2	U	5.2
1,2-Dichloroethane		5.2	U	5.2
Methyl Ethyl Ketone		26	U	26
1,1,1-Trichloroethane		5.2	U	5.2
Carbon tetrachloride		5.2	U	5.2
Dichlorobromomethane		5.2	U	5.2
1,1,2,2-Tetrachloroethane		5.2	U	5.2
1,2-Dichloropropane		5.2	U	5.2
trans-1,3-Dichloropropene		5.2	U	5.2
Trichloroethene		5.2	U	5.2
Chlorodibromomethane		5.2	U	5.2
1,1,2-Trichloroethane		5.2	U	5.2
Benzene		5.2	U	5.2
cis-1,3-Dichloropropene		5.2	U	5.2
Bromoform		5.2	U	5.2
2-Hexanone		26	U	26
methyl isobutyl ketone		26	U	26
Tetrachloroethene		5.2	U	5.2
Toluene		5.2	U	5.2
Chlorobenzene		5.2	U	5.2
Ethylbenzene		5.2	U	5.2
Styrene		5.2	U	5.2
Xylenes, Total		10	U	10
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		88		65 - 128
4-Bromofluorobenzene		71		68 - 121
Dibromofluoromethane		91		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.0-0.5

Lab Sample ID: 680-18211-7

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 6.7

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-50441	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0092.d
Dilution:	40		Initial Weight/Volume: 3.2 g
Date Analyzed:	07/20/2006 1634		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		330	U	330
Bromomethane		330	U	330
Vinyl chloride		330	U	330
Chloroethane		330	U	330
Methylene Chloride		330	U	330
Acetone		3300	U *	3300
Carbon disulfide		330	U	330
1,1-Dichloroethene		330	U	330
1,1-Dichloroethane		330	U	330
cis-1,2-Dichloroethene		330	U	330
trans-1,2-Dichloroethene		330	U	330
Chloroform		330	U	330
1,2-Dichloroethane		330	U	330
Methyl Ethyl Ketone		1700	U	1700
1,1,1-Trichloroethane		330	U	330
Carbon tetrachloride		330	U	330
Dichlorobromomethane		330	U	330
1,1,2,2-Tetrachloroethane		330	U	330
1,2-Dichloropropane		330	U	330
trans-1,3-Dichloropropene		330	U	330
Trichloroethene		330	U	330
Chlorodibromomethane		330	U	330
1,1,2-Trichloroethane		330	U	330
Benzene		330	U	330
cis-1,3-Dichloropropene		330	U	330
Bromoform		330	U	330
2-Hexanone		1700	U	1700
methyl isobutyl ketone		1700	U	1700
Tetrachloroethene		4200		330
Toluene		440		330
Chlorobenzene		330	U	330
Ethylbenzene		330	U	330
Styrene		330	U	330
Xylenes, Total		820		670
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		91		65 - 128
4-Bromofluorobenzene		99		68 - 121
Dibromofluoromethane		106		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method: 8260B

Analysis Batch: 680-50303

Instrument ID: GC/MS Volatiles - M

Preparation: 5035

Prep Batch: 680-49464

Lab File ID: m0074.d

Dilution: 1.0

Initial Weight/Volume: 5.2 g

Date Analyzed: 07/19/2006 2024

Final Weight/Volume: 5 g

Date Prepared: 07/10/2006 1258

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		4.9	U	4.9
Bromomethane		4.9	U	4.9
Vinyl chloride		4.9	U	4.9
Chloroethane		4.9	U	4.9
Methylene Chloride		4.9	U	4.9
Acetone		62		49
Carbon disulfide		12		4.9
1,1-Dichloroethene		4.9	U	4.9
1,1-Dichloroethane		4.9	U	4.9
cis-1,2-Dichloroethene		4.9	U	4.9
trans-1,2-Dichloroethene		4.9	U	4.9
Chloroform		4.9	U	4.9
1,2-Dichloroethane		4.9	U	4.9
Methyl Ethyl Ketone		24	U	24
1,1,1-Trichloroethane		4.9	U	4.9
Carbon tetrachloride		4.9	U	4.9
Dichlorobromomethane		4.9	U	4.9
1,1,2,2-Tetrachloroethane		4.9	U	4.9
1,2-Dichloropropane		4.9	U	4.9
trans-1,3-Dichloropropene		4.9	U	4.9
Trichloroethene		4.9	U	4.9
Chlorodibromomethane		4.9	U	4.9
1,1,2-Trichloroethane		4.9	U	4.9
Benzene		4.9	U	4.9
cis-1,3-Dichloropropene		4.9	U	4.9
Bromoform		4.9	U	4.9
2-Hexanone		24	U	24
methyl isobutyl ketone		24	U	24
Tetrachloroethene		4.9	U	4.9
Toluene		4.9	U	4.9
Chlorobenzene		4.9	U	4.9
Ethylbenzene		4.9	U	4.9
Styrene		4.9	U	4.9
Xylenes, Total		9.8	U	9.8
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		95		65 - 128
4-Bromofluorobenzene		86		68 - 121
Dibromofluoromethane		96		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-6.5-7.5

Lab Sample ID: 680-18211-9

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/07/2006 0900

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-50303	Instrument ID: GC/MS Volatiles - M
Preparation:	5035	Prep Batch: 680-49464	Lab File ID: m0075.d
Dilution:	1.0		Initial Weight/Volume: 4.9 g
Date Analyzed:	07/19/2006 2047		Final Weight/Volume: 5 g
Date Prepared:	07/10/2006 1258		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Chloromethane		5.8	U	5.8
Bromomethane		5.8	U	5.8
Vinyl chloride		5.8	U	5.8
Chloroethane		5.8	U	5.8
Methylene Chloride		5.8	U	5.8
Acetone		61		58
Carbon disulfide		5.8	U	5.8
1,1-Dichloroethene		5.8	U	5.8
1,1-Dichloroethane		5.8	U	5.8
cis-1,2-Dichloroethene		5.8	U	5.8
trans-1,2-Dichloroethene		5.8	U	5.8
Chloroform		5.8	U	5.8
1,2-Dichloroethane		5.8	U	5.8
Methyl Ethyl Ketone		29	U	29
1,1,1-Trichloroethane		5.8	U	5.8
Carbon tetrachloride		5.8	U	5.8
Dichlorobromomethane		5.8	U	5.8
1,1,2,2-Tetrachloroethane		5.8	U	5.8
1,2-Dichloropropane		5.8	U	5.8
trans-1,3-Dichloropropene		5.8	U	5.8
Trichloroethene		5.8	U	5.8
Chlorodibromomethane		5.8	U	5.8
1,1,2-Trichloroethane		5.8	U	5.8
Benzene		5.8	U	5.8
cis-1,3-Dichloropropene		5.8	U	5.8
Bromoform		5.8	U	5.8
2-Hexanone		29	U	29
methyl isobutyl ketone		29	U	29
Tetrachloroethene		6.8		5.8
Toluene		5.8	U	5.8
Chlorobenzene		5.8	U	5.8
Ethylbenzene		5.8	U	5.8
Styrene		5.8	U	5.8
Xylenes, Total		12	U	12
Surrogate		%Rec		Acceptance Limits
Toluene-d8 (Surr)		96		65 - 128
4-Bromofluorobenzene		94		68 - 121
Dibromofluoromethane		93		66 - 127

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 680-49812

Instrument ID: GC/MS SemiVolatiles - T

Preparation: 3550B

Prep Batch: 680-49519

Lab File ID: t3863.d

Dilution: 5.0

Initial Weight/Volume: 30.10 g

Date Analyzed: 07/12/2006 2054

Final Weight/Volume: 1.0 mL

Date Prepared: 07/11/2006 0724

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		1800	U	1800
Bis(2-chloroethyl)ether		1800	U	1800
2-Chlorophenol		1800	U	1800
1,3-Dichlorobenzene		1800	U	1800
1,4-Dichlorobenzene		1800	U	1800
1,2-Dichlorobenzene		1800	U	1800
2-Methylphenol		1800	U	1800
N-Nitrosodi-n-propylamine		1800	U	1800
Hexachloroethane		1800	U	1800
Nitrobenzene		1800	U	1800
Isophorone		1800	U	1800
2-Nitrophenol		1800	U	1800
2,4-Dimethylphenol		1800	U	1800
Bis(2-chloroethoxy)methane		1800	U	1800
2,4-Dichlorophenol		1800	U	1800
1,2,4-Trichlorobenzene		1800	U	1800
4-Chloroaniline		3600	U	3600
Hexachlorobutadiene		1800	U	1800
4-Chloro-3-methylphenol		1800	U	1800
2-Methylnaphthalene		35000		1800
Hexachlorocyclopentadiene		1800	U	1800
2,4,6-Trichlorophenol		1800	U	1800
2,4,5-Trichlorophenol		1800	U	1800
2-Chloronaphthalene		1800	U	1800
2-Nitroaniline		9300	U	9300
Dimethyl phthalate		1800	U	1800
3-Nitroaniline		9300	U	9300
Acenaphthene		3900		1800
2,4-Dinitrophenol		9300	U	9300
4-Nitrophenol		9300	U	9300
2,4-Dinitrotoluene		1800	U	1800
2,6-Dinitrotoluene		1800	U	1800
3 & 4 Methylphenol		1800	U	1800
Diethyl phthalate		1800	U	1800
4-Chlorophenyl phenyl ether		1800	U	1800
4-Nitroaniline		9300	U	9300
4,6-Dinitro-2-methylphenol		9300	U	9300
N-Nitrosodiphenylamine		1800	U	1800
4-Bromophenyl phenyl ether		1800	U	1800
Hexachlorobenzene		1800	U	1800
Pentachlorophenol		9300	U	9300
Di-n-butyl phthalate		1800	U	1800
Butyl benzyl phthalate		1800	U	1800

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3863.d
Dilution:	5.0		Initial Weight/Volume: 30.10 g
Date Analyzed:	07/12/2006 2054		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
3,3'-Dichlorobenzidine		3600	U	3600
Bis(2-ethylhexyl) phthalate		1800	U	1800
Di-n-octyl phthalate		1800	U	1800
Benzo[k]fluoranthene		1800	U	1800
Indeno[1,2,3-cd]pyrene		28000		1800
Dibenz(a,h)anthracene		5900		1800
Benzo[g,h,i]perylene		26000		1800
Carbazole		18000		1800
bis(chloroisopropyl) ether		1800	U	1800
Surrogate		%Rec		Acceptance Limits
Phenol-d5		51		38 - 102
2-Fluorophenol		51		36 - 101
2,4,6-Tribromophenol		0	D	27 - 124
Nitrobenzene-d5		0	D	33 - 94
2-Fluorobiphenyl		0	D	38 - 104
Terphenyl-d14		0	D	40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49780	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3875.d
Dilution:	50		Initial Weight/Volume: 30.10 g
Date Analyzed:	07/13/2006 1257	Run Type: DL	Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		53000		18000
Acenaphthylene		54000		18000
Dibenzofuran		42000		18000
Fluorene		49000		18000
Phenanthrene		210000		18000
Anthracene		54000		18000
Fluoranthene		160000		18000
Pyrene		130000		18000
Benzo[a]anthracene		48000		18000
Chrysene		42000		18000
Benzo[b]fluoranthene		78000		18000
Benzo[a]pyrene		43000		18000

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3864.d
Dilution:	5.0		Initial Weight/Volume: 30.09 g
Date Analyzed:	07/12/2006 2119		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		1800	U	1800
Bis(2-chloroethyl)ether		1800	U	1800
2-Chlorophenol		1800	U	1800
1,3-Dichlorobenzene		1800	U	1800
1,4-Dichlorobenzene		1800	U	1800
1,2-Dichlorobenzene		2000	U	1800
2-Methylphenol		1800	U	1800
N-Nitrosodi-n-propylamine		1800	U	1800
Hexachloroethane		1800	U	1800
Nitrobenzene		1800	U	1800
Isophorone		1800	U	1800
2-Nitrophenol		1800	U	1800
2,4-Dimethylphenol		1800	U	1800
Bis(2-chloroethoxy)methane		1800	U	1800
2,4-Dichlorophenol		1800	U	1800
1,2,4-Trichlorobenzene		1800	U	1800
4-Chloroaniline		3600	U	3600
Hexachlorobutadiene		1800	U	1800
4-Chloro-3-methylphenol		1800	U	1800
Hexachlorocyclopentadiene		1800	U	1800
2,4,6-Trichlorophenol		1800	U	1800
2,4,5-Trichlorophenol		1800	U	1800
2-Chloronaphthalene		1800	U	1800
2-Nitroaniline		9200	U	9200
Dimethyl phthalate		1800	U	1800
3-Nitroaniline		9200	U	9200
Acenaphthene		7800		1800
2,4-Dinitrophenol		9200	U	9200
4-Nitrophenol		9200	U	9200
2,4-Dinitrotoluene		1800	U	1800
2,6-Dinitrotoluene		1800	U	1800
3 & 4 Methylphenol		1800	U	1800
Diethyl phthalate		1800	U	1800
4-Chlorophenyl phenyl ether		1800	U	1800
4-Nitroaniline		9200	U	9200
4,6-Dinitro-2-methylphenol		9200	U	9200
N-Nitrosodiphenylamine		1800	U	1800
4-Bromophenyl phenyl ether		1800	U	1800
Hexachlorobenzene		1800	U	1800
Pentachlorophenol		9200	U	9200
Di-n-butyl phthalate		1800	U	1800
Butyl benzyl phthalate		1800	U	1800
3,3'-Dichlorobenzidine		3600	U	3600

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3864.d
Dilution:	5.0		Initial Weight/Volume: 30.09 g
Date Analyzed:	07/12/2006 2119		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Bis(2-ethylhexyl) phthalate		1800	U	1800
Di-n-octyl phthalate		1800	U	1800
Benzo[k]fluoranthene		1800	U	1800
Dibenz(a,h)anthracene		16000		1800
Carbazole		29000		1800
bis(chloroisopropyl) ether		1800	U	1800
Surrogate		%Rec		Acceptance Limits
Phenol-d5		52		38 - 102
2-Fluorophenol		0	D	36 - 101
2,4,6-Tribromophenol		53		27 - 124
Nitrobenzene-d5		0	D	33 - 94
2-Fluorobiphenyl		0	D	38 - 104
Terphenyl-d14		0	D	40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-50033	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3887.d
Dilution:	100		Initial Weight/Volume: 30.09 g
Date Analyzed:	07/14/2006 1129	Run Type: DL	Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Naphthalene		41000		36000
2-Methylnaphthalene		40000		36000
Acenaphthylene		130000		36000
Dibenzofuran		73000		36000
Fluorene		100000		36000
Phenanthrene		430000		36000
Anthracene		130000		36000
Fluoranthene		420000		36000
Pyrene		360000		36000
Benzo[a]anthracene		130000		36000
Chrysene		120000		36000
Benzo[b]fluoranthene		220000		36000
Benzo[a]pyrene		120000		36000
Indeno[1,2,3-cd]pyrene		66000		36000
Benzo[g,h,i]perylene		70000		36000

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3857.d
Dilution:	1.0		Initial Weight/Volume: 30.01 g
Date Analyzed:	07/12/2006 1822		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		580		360
4-Chloroaniline		720	U	720
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		380		360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		360	U	360
Acenaphthylene		1300		360
3-Nitroaniline		1900	U	1900
Acenaphthene		360	U	360
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		790		360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		1100		360
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3857.d
Dilution:	1.0		Initial Weight/Volume: 30.01 g
Date Analyzed:	07/12/2006 1822		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		360	U	360
Pentachlorophenol		1900	U	1900
Phenanthrene		5100		360
Anthracene		1500		360
Di-n-butyl phthalate		360	U	360
Fluoranthene		5300		360
Pyrene		4600		360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		720	U	720
Benzo[a]anthracene		1700		360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		1600		360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		3000		360
Benzo[k]fluoranthene		360	U	360
Benzo[a]pyrene		1700		360
Indeno[1,2,3-cd]pyrene		920		360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		1000		360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360
Surrogate		%Rec		Acceptance Limits
Phenol-d5		57		38 - 102
2-Fluorophenol		56		36 - 101
2,4,6-Tribromophenol		53		27 - 124
Nitrobenzene-d5		53		33 - 94
2-Fluorobiphenyl		59		38 - 104
Terphenyl-d14		67		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.0-0.5

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 680-49812

Instrument ID: GC/MS SemiVolatiles - T

Preparation: 3550B

Prep Batch: 680-49519

Lab File ID: t3858.d

Dilution: 1.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 07/12/2006 1848

Final Weight/Volume: 1.0 mL

Date Prepared: 07/11/2006 0724

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		360	U	360
4-Chloroaniline		720	U	720
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		360	U	360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		360	U	360
Acenaphthylene		360	U	360
3-Nitroaniline		1900	U	1900
Acenaphthene		360	U	360
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		360	U	360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		360	U	360
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: **NPREC-2-0.0-0.5**

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 680-49812

Instrument ID: GC/MS SemiVolatiles - T

Preparation: 3550B

Prep Batch: 680-49519

Lab File ID: t3858.d

Dilution: 1.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 07/12/2006 1848

Final Weight/Volume: 1.0 mL

Date Prepared: 07/11/2006 0724

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		360	U	360
Pentachlorophenol		1900	U	1900
Phenanthrene		360	U	360
Anthracene		360	U	360
Di-n-butyl phthalate		360	U	360
Fluoranthene		360	U	360
Pyrene		360	U	360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		720	U	720
Benzo[a]anthracene		360	U	360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		360	U	360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		360	U	360
Benzo[k]fluoranthene		360	U	360
Benzo[a]pyrene		360	U	360
Indeno[1,2,3-cd]pyrene		360	U	360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		360	U	360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360
Surrogate		%Rec		Acceptance Limits
Phenol-d5		60		38 - 102
2-Fluorophenol		40		36 - 101
2,4,6-Tribromophenol		11	X	27 - 124
Nitrobenzene-d5		60		33 - 94
2-Fluorobiphenyl		66		38 - 104
Terphenyl-d14		80		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 680-49812 Instrument ID: GC/MS SemiVolatiles - T
Preparation: 3550B Prep Batch: 680-49519 Lab File ID: t3859.d
Dilution: 1.0 Initial Weight/Volume: 30.04 g
Date Analyzed: 07/12/2006 1913 Final Weight/Volume: 1.0 mL
Date Prepared: 07/11/2006 0724 Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		380	U	380
Bis(2-chloroethyl)ether		380	U	380
2-Chlorophenol		380	U	380
1,3-Dichlorobenzene		380	U	380
1,4-Dichlorobenzene		380	U	380
1,2-Dichlorobenzene		380	U	380
2-Methylphenol		380	U	380
N-Nitrosodi-n-propylamine		380	U	380
Hexachloroethane		380	U	380
Nitrobenzene		380	U	380
Isophorone		380	U	380
2-Nitrophenol		380	U	380
2,4-Dimethylphenol		380	U	380
Bis(2-chloroethoxy)methane		380	U	380
2,4-Dichlorophenol		380	U	380
1,2,4-Trichlorobenzene		380	U	380
Naphthalene		380	U	380
4-Chloroaniline		750	U	750
Hexachlorobutadiene		380	U	380
4-Chloro-3-methylphenol		380	U	380
2-Methylnaphthalene		380	U	380
Hexachlorocyclopentadiene		380	U	380
2,4,6-Trichlorophenol		380	U	380
2,4,5-Trichlorophenol		380	U	380
2-Chloronaphthalene		380	U	380
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		380	U	380
Acenaphthylene		380	U	380
3-Nitroaniline		1900	U	1900
Acenaphthene		380	U	380
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		380	U	380
2,4-Dinitrotoluene		380	U	380
2,6-Dinitrotoluene		380	U	380
3 & 4 Methylphenol		380	U	380
Diethyl phthalate		380	U	380
4-Chlorophenyl phenyl ether		380	U	380
Fluorene		380	U	380
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		380	U	380
4-Bromophenyl phenyl ether		380	U	380

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3859.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	07/12/2006 1913		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		380	U	380
Pentachlorophenol		1900	U	1900
Phenanthrene		440		380
Anthracene		380	U	380
Di-n-butyl phthalate		380	U	380
Fluoranthene		1700		380
Pyrene		1500		380
Butyl benzyl phthalate		380	U	380
3,3'-Dichlorobenzidine		750	U	750
Benzo[a]anthracene		1100		380
Bis(2-ethylhexyl) phthalate		380	U	380
Chrysene		830		380
Di-n-octyl phthalate		380	U	380
Benzo[b]fluoranthene		1600		380
Benzo[k]fluoranthene		380	U	380
Benzo[a]pyrene		860		380
Indeno[1,2,3-cd]pyrene		420		380
Dibenz(a,h)anthracene		380	U	380
Benzo[g,h,i]perylene		410		380
Carbazole		380	U	380
bis(chloroisopropyl) ether		380	U	380
Surrogate		%Rec		Acceptance Limits
Phenol-d5		64		38 - 102
2-Fluorophenol		42		36 - 101
2,4,6-Tribromophenol		41		27 - 124
Nitrobenzene-d5		60		33 - 94
2-Fluorobiphenyl		62		38 - 104
Terphenyl-d14		74		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 680-49812

Instrument ID: GC/MS SemiVolatiles - T

Preparation: 3550B

Prep Batch: 680-49519

Lab File ID: t3865.d

Dilution: 5.0

Initial Weight/Volume: 30.02 g

Date Analyzed: 07/12/2006 2144

Final Weight/Volume: 1.0 mL

Date Prepared: 07/11/2006 0724

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		2100	U	2100
Bis(2-chloroethyl)ether		2100	U	2100
2-Chlorophenol		2100	U	2100
1,3-Dichlorobenzene		2100	U	2100
1,4-Dichlorobenzene		2100	U	2100
1,2-Dichlorobenzene		2100	U	2100
2-Methylphenol		2100	U	2100
N-Nitrosodi-n-propylamine		2100	U	2100
Hexachloroethane		2100	U	2100
Nitrobenzene		2100	U	2100
Isophorone		2100	U	2100
2-Nitrophenol		2100	U	2100
2,4-Dimethylphenol		2100	U	2100
Bis(2-chloroethoxy)methane		2100	U	2100
2,4-Dichlorophenol		2100	U	2100
1,2,4-Trichlorobenzene		2100	U	2100
Naphthalene		2100	U	2100
4-Chloroaniline		4100	U	4100
Hexachlorobutadiene		2100	U	2100
4-Chloro-3-methylphenol		2100	U	2100
2-Methylnaphthalene		2100	U	2100
Hexachlorocyclopentadiene		2100	U	2100
2,4,6-Trichlorophenol		2100	U	2100
2,4,5-Trichlorophenol		2100	U	2100
2-Chloronaphthalene		2100	U	2100
2-Nitroaniline		11000	U	11000
Dimethyl phthalate		2100	U	2100
Acenaphthylene		8100		2100
3-Nitroaniline		11000	U	11000
Acenaphthene		2100	U	2100
2,4-Dinitrophenol		11000	U	11000
4-Nitrophenol		11000	U	11000
Dibenzofuran		2100		2100
2,4-Dinitrotoluene		2100	U	2100
2,6-Dinitrotoluene		2100	U	2100
3 & 4 Methylphenol		2100	U	2100
Diethyl phthalate		2100	U	2100
4-Chlorophenyl phenyl ether		2100	U	2100
Fluorene		8900		2100
4-Nitroaniline		11000	U	11000
4,6-Dinitro-2-methylphenol		11000	U	11000
N-Nitrosodiphenylamine		2100	U	2100
4-Bromophenyl phenyl ether		2100	U	2100

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3865.d
Dilution:	5.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	07/12/2006 2144		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		2100	U	2100
Pentachlorophenol		11000	U	11000
Phenanthrene		24000		2100
Anthracene		25000		2100
Di-n-butyl phthalate		2100	U	2100
Butyl benzyl phthalate		2100	U	2100
3,3'-Dichlorobenzidine		4100	U	4100
Bis(2-ethylhexyl) phthalate		2100	U	2100
Chrysene		34000		2100
Di-n-octyl phthalate		2100	U	2100
Benzo[k]fluoranthene		2100	U	2100
Benzo[a]pyrene		29000		2100
Indeno[1,2,3-cd]pyrene		14000		2100
Dibenz(a,h)anthracene		4600		2100
Benzo[g,h,i]perylene		11000		2100
Carbazole		2100	U	2100
bis(chloroisopropyl) ether		2100	U	2100
Surrogate		%Rec		Acceptance Limits
Phenol-d5		0	D	38 - 102
2-Fluorophenol		0	D	36 - 101
2,4,6-Tribromophenol		0	D	27 - 124
Nitrobenzene-d5		0	D	33 - 94
2-Fluorobiphenyl		0	D	38 - 104
Terphenyl-d14		0	D	40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C

Analysis Batch: 680-49780

Instrument ID: GC/MS SemiVolatiles - T

Preparation: 3550B

Prep Batch: 680-49519

Lab File ID: t3877.d

Dilution: 25

Initial Weight/Volume: 30.02 g

Date Analyzed: 07/13/2006 1348

Run Type: DL

Final Weight/Volume: 1.0 mL

Date Prepared: 07/11/2006 0724

Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Fluoranthene		79000		10000
Pyrene		66000		10000
Benzo[a]anthracene		41000		10000
Benzo[b]fluoranthene		52000		10000

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.0-0.5

Lab Sample ID: 680-18211-7

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 6.7

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3860.d
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	07/12/2006 1938		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		350	U	350
Bis(2-chloroethyl)ether		350	U	350
2-Chlorophenol		350	U	350
1,3-Dichlorobenzene		350	U	350
1,4-Dichlorobenzene		350	U	350
1,2-Dichlorobenzene		350	U	350
2-Methylphenol		350	U	350
N-Nitrosodi-n-propylamine		350	U	350
Hexachloroethane		350	U	350
Nitrobenzene		350	U	350
Isophorone		350	U	350
2-Nitrophenol		350	U	350
2,4-Dimethylphenol		350	U	350
Bis(2-chloroethoxy)methane		350	U	350
2,4-Dichlorophenol		350	U	350
1,2,4-Trichlorobenzene		350	U	350
Naphthalene		350	U	350
4-Chloroaniline		710	U	710
Hexachlorobutadiene		350	U	350
4-Chloro-3-methylphenol		350	U	350
2-Methylnaphthalene		350	U	350
Hexachlorocyclopentadiene		350	U	350
2,4,6-Trichlorophenol		350	U	350
2,4,5-Trichlorophenol		350	U	350
2-Chloronaphthalene		350	U	350
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		350	U	350
Acenaphthylene		350	U	350
3-Nitroaniline		1800	U	1800
Acenaphthene		350	U	350
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		350	U	350
2,4-Dinitrotoluene		350	U	350
2,6-Dinitrotoluene		350	U	350
3 & 4 Methylphenol		350	U	350
Diethyl phthalate		350	U	350
4-Chlorophenyl phenyl ether		350	U	350
Fluorene		350	U	350
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		350	U	350
4-Bromophenyl phenyl ether		350	U	350

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.0-0.5

Lab Sample ID: 680-18211-7

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 6.7

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3860.d
Dilution:	1.0		Initial Weight/Volume: 30.02 g
Date Analyzed:	07/12/2006 1938		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		350	U	350
Pentachlorophenol		1800	U	1800
Phenanthrene		350	U	350
Anthracene		350	U	350
Di-n-butyl phthalate		350	U	350
Fluoranthene		830		350
Pyrene		780		350
Butyl benzyl phthalate		350	U	350
3,3'-Dichlorobenzidine		710	U	710
Benzo[a]anthracene		640		350
Bis(2-ethylhexyl) phthalate		350	U	350
Chrysene		650		350
Di-n-octyl phthalate		350	U	350
Benzo[b]fluoranthene		1500		350
Benzo[k]fluoranthene		350	U	350
Benzo[a]pyrene		690		350
Indeno[1,2,3-cd]pyrene		420		350
Dibenz(a,h)anthracene		350	U	350
Benzo[g,h,i]perylene		440		350
Carbazole		350	U	350
bis(chloroisopropyl) ether		350	U	350
Surrogate		%Rec		Acceptance Limits
Phenol-d5		69		38 - 102
2-Fluorophenol		63		36 - 101
2,4,6-Tribromophenol		41		27 - 124
Nitrobenzene-d5		65		33 - 94
2-Fluorobiphenyl		70		38 - 104
Terphenyl-d14		79		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3861.d
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	07/12/2006 2004		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		350	U	350
Bis(2-chloroethyl)ether		350	U	350
2-Chlorophenol		350	U	350
1,3-Dichlorobenzene		350	U	350
1,4-Dichlorobenzene		350	U	350
1,2-Dichlorobenzene		350	U	350
2-Methylphenol		350	U	350
N-Nitrosodi-n-propylamine		350	U	350
Hexachloroethane		350	U	350
Nitrobenzene		350	U	350
Isophorone		350	U	350
2-Nitrophenol		350	U	350
2,4-Dimethylphenol		350	U	350
Bis(2-chloroethoxy)methane		350	U	350
2,4-Dichlorophenol		350	U	350
1,2,4-Trichlorobenzene		350	U	350
Naphthalene		350	U	350
4-Chloroaniline		700	U	700
Hexachlorobutadiene		350	U	350
4-Chloro-3-methylphenol		350	U	350
2-Methylnaphthalene		350	U	350
Hexachlorocyclopentadiene		350	U	350
2,4,6-Trichlorophenol		350	U	350
2,4,5-Trichlorophenol		350	U	350
2-Chloronaphthalene		350	U	350
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		350	U	350
Acenaphthylene		350	U	350
3-Nitroaniline		1800	U	1800
Acenaphthene		350	U	350
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		350	U	350
2,4-Dinitrotoluene		350	U	350
2,6-Dinitrotoluene		350	U	350
3 & 4 Methylphenol		350	U	350
Diethyl phthalate		350	U	350
4-Chlorophenyl phenyl ether		350	U	350
Fluorene		350	U	350
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		350	U	350
4-Bromophenyl phenyl ether		350	U	350

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3861.d
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	07/12/2006 2004		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		350	U	350
Pentachlorophenol		1800	U	1800
Phenanthrene		910		350
Anthracene		350	U	350
Di-n-butyl phthalate		350	U	350
Fluoranthene		1700		350
Pyrene		1500		350
Butyl benzyl phthalate		350	U	350
3,3'-Dichlorobenzidine		700	U	700
Benzo[a]anthracene		960		350
Bis(2-ethylhexyl) phthalate		350	U	350
Chrysene		950		350
Di-n-octyl phthalate		350	U	350
Benzo[b]fluoranthene		1900		350
Benzo[k]fluoranthene		350	U	350
Benzo[a]pyrene		810		350
Indeno[1,2,3-cd]pyrene		510		350
Dibenz(a,h)anthracene		350	U	350
Benzo[g,h,i]perylene		510		350
Carbazole		350	U	350
bis(chloroisopropyl) ether		350	U	350
Surrogate		%Rec		Acceptance Limits
Phenol-d5		68		38 - 102
2-Fluorophenol		60		36 - 101
2,4,6-Tribromophenol		12	X	27 - 124
Nitrobenzene-d5		63		33 - 94
2-Fluorobiphenyl		70		38 - 104
Terphenyl-d14		82		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-6.5-7.5

Lab Sample ID: 680-18211-9

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3862.d
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	07/12/2006 2029		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		370	U	370
Bis(2-chloroethyl)ether		370	U	370
2-Chlorophenol		370	U	370
1,3-Dichlorobenzene		370	U	370
1,4-Dichlorobenzene		370	U	370
1,2-Dichlorobenzene		370	U	370
2-Methylphenol		370	U	370
N-Nitrosodi-n-propylamine		370	U	370
Hexachloroethane		370	U	370
Nitrobenzene		370	U	370
Isophorone		370	U	370
2-Nitrophenol		370	U	370
2,4-Dimethylphenol		370	U	370
Bis(2-chloroethoxy)methane		370	U	370
2,4-Dichlorophenol		370	U	370
1,2,4-Trichlorobenzene		370	U	370
Naphthalene		370	U	370
4-Chloroaniline		730	U	730
Hexachlorobutadiene		370	U	370
4-Chloro-3-methylphenol		370	U	370
2-Methylnaphthalene		370	U	370
Hexachlorocyclopentadiene		370	U	370
2,4,6-Trichlorophenol		370	U	370
2,4,5-Trichlorophenol		370	U	370
2-Chloronaphthalene		370	U	370
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		370	U	370
Acenaphthylene		370	U	370
3-Nitroaniline		1900	U	1900
Acenaphthene		370	U	370
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		370	U	370
2,4-Dinitrotoluene		370	U	370
2,6-Dinitrotoluene		370	U	370
3 & 4 Methylphenol		370	U	370
Diethyl phthalate		370	U	370
4-Chlorophenyl phenyl ether		370	U	370
Fluorene		370	U	370
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		370	U	370
4-Bromophenyl phenyl ether		370	U	370

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-6.5-7.5

Lab Sample ID: 680-18211-9

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/07/2006 0900

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-49812	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3550B	Prep Batch: 680-49519	Lab File ID: t3862.d
Dilution:	1.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	07/12/2006 2029		Final Weight/Volume: 1.0 mL
Date Prepared:	07/11/2006 0724		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		370	U	370
Pentachlorophenol		1900	U	1900
Phenanthrene		2600		370
Anthracene		790		370
Di-n-butyl phthalate		370	U	370
Fluoranthene		3800		370
Pyrene		3200		370
Butyl benzyl phthalate		370	U	370
3,3'-Dichlorobenzidine		730	U	730
Benzo[a]anthracene		1900		370
Bis(2-ethylhexyl) phthalate		370	U	370
Chrysene		1900		370
Di-n-octyl phthalate		370	U	370
Benzo[b]fluoranthene		3400		370
Benzo[k]fluoranthene		370	U	370
Benzo[a]pyrene		1500		370
Indeno[1,2,3-cd]pyrene		960		370
Dibenz(a,h)anthracene		370	U	370
Benzo[g,h,i]perylene		900		370
Carbazole		370	U	370
bis(chloroisopropyl) ether		370	U	370
Surrogate		%Rec		Acceptance Limits
Phenol-d5		63		38 - 102
2-Fluorophenol		59		36 - 101
2,4,6-Tribromophenol		34		27 - 124
Nitrobenzene-d5		60		33 - 94
2-Fluorobiphenyl		67		38 - 104
Terphenyl-d14		73		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13013.d

Dilution: 10

Initial Weight/Volume: 30.13 g

Date Analyzed: 07/13/2006 1354

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		360	U	360
PCB-1221		730	U	730
PCB-1232		360	U	360
PCB-1242		360	U	360
PCB-1248		360	U	360
PCB-1254		360	U	360
PCB-1260		360	U	360
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13014.d

Dilution: 10

Initial Weight/Volume: 30.06 g

Date Analyzed: 07/13/2006 1414

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		360	U	360
PCB-1221		730	U	730
PCB-1232		360	U	360
PCB-1242		360	U	360
PCB-1248		360	U	360
PCB-1254		360	U	360
PCB-1260		360	U	360
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13015.d

Dilution: 1.0

Initial Weight/Volume: 30.03 g

Date Analyzed: 07/13/2006 1434

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		36	U	36
PCB-1221		73	U	73
PCB-1232		36	U	36
PCB-1242		36	U	36
PCB-1248		57		36
PCB-1254		36	U	36
PCB-1260		36	U	36
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		150		30 - 150
DCB Decachlorobiphenyl		67		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.0-0.5

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13016.d

Dilution: 2.0

Initial Weight/Volume: 30.03 g

Date Analyzed: 07/13/2006 1455

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		72	U	72
PCB-1221		150	U	150
PCB-1232		72	U	72
PCB-1242		72	U	72
PCB-1248		72	U	72
PCB-1254		72	U	72
PCB-1260		72	U	72
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		40		30 - 150
DCB Decachlorobiphenyl		65		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13017.d

Dilution: 2.0

Initial Weight/Volume: 30.09 g

Date Analyzed: 07/13/2006 1515

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		75	U	75
PCB-1221		150	U	150
PCB-1232		75	U	75
PCB-1242		75	U	75
PCB-1248		75	U	75
PCB-1254		75	U	75
PCB-1260		75	U	75
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		59		30 - 150
DCB Decachlorobiphenyl		71		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13020.d

Dilution: 5.0

Initial Weight/Volume: 30.09 g

Date Analyzed: 07/13/2006 1615

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		210	U	210
PCB-1221		420	U	420
PCB-1232		210	U	210
PCB-1242		210	U	210
PCB-1248		210	U	210
PCB-1254		210	U	210
PCB-1260		210	U	210
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		482	X	30 - 150
DCB Decachlorobiphenyl		73		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.0-0.5

Lab Sample ID: 680-18211-7

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 6.7

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13021.d

Dilution: 1.0

Initial Weight/Volume: 30.04 g

Date Analyzed: 07/13/2006 1636

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		35	U	35
PCB-1221		72	U	72
PCB-1232		35	U	35
PCB-1242		35	U	35
PCB-1248		35	U	35
PCB-1254		35	U	35
PCB-1260		35	U	35
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		57		30 - 150
DCB Decachlorobiphenyl		81		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13022.d

Dilution: 1.0

Initial Weight/Volume: 30.10 g

Date Analyzed: 07/13/2006 1656

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		35	U	35
PCB-1221		71	U	71
PCB-1232		35	U	35
PCB-1242		35	U	35
PCB-1248		35	U	35
PCB-1254		35	U	35
PCB-1260		35	U	35
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		61		30 - 150
DCB Decachlorobiphenyl		62		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-6.5-7.5

Lab Sample ID: 680-18211-9

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/07/2006 0900

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082

Analysis Batch: 680-49916

Instrument ID: GC SemiVolatiles - R

Preparation: 3550B

Prep Batch: 680-49517

Lab File ID: rg13023.d

Dilution: 1.0

Initial Weight/Volume: 30.11 g

Date Analyzed: 07/13/2006 1716

Final Weight/Volume: 10.0 mL

Date Prepared: 07/11/2006 0718

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
PCB-1016		37	U	37
PCB-1221		74	U	74
PCB-1232		37	U	37
PCB-1242		37	U	37
PCB-1248		37	U	37
PCB-1254		37	U	37
PCB-1260		37	U	37
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		83		30 - 150
DCB Decachlorobiphenyl		64		30 - 150

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES	
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A	
Dilution: 1.0		Initial Weight/Volume: 1.05 g	
Date Analyzed: 07/11/2006 0022		Final Weight/Volume: 100 mL	
Date Prepared: 07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		1.8		1.0
Aluminum		7500		21
Arsenic		5.4		1.0
Barium		110		1.0
Beryllium		0.70		0.42
Cadmium		4.8		0.52
Cobalt		2.0		1.0
Chromium		810		1.0
Copper		65		2.1
Potassium		410		100
Sodium		410		100
Nickel		19		4.2
Antimony		2.1	U	2.1
Zinc		99		2.1

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES	
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A	
Dilution: 20		Initial Weight/Volume: 1.05 g	
Date Analyzed: 07/11/2006 1830		Final Weight/Volume: 100 mL	
Date Prepared: 07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Calcium		220000		1000
Iron		120000		100
Magnesium		35000		1000
Manganese		26000		21
Lead		150		10
Selenium		52	U	52
Thallium		52	U	52
Vanadium		490		21

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.0-0.5

Lab Sample ID: 680-18211-1

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.05 g

Date Analyzed: 07/14/2006 1247

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.021	U	0.021

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-0.5-3.0

Lab Sample ID: 680-18211-2

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 7.8

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES	
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A	
Dilution: 1.0		Initial Weight/Volume: 1.06 g	
Date Analyzed: 07/11/2006 1835		Final Weight/Volume: 100 mL	
Date Prepared: 07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		1.0	U	1.0
Aluminum		2400		20
Arsenic		6.0		1.0
Barium		23		1.0
Beryllium		0.41	U	0.41
Calcium		4000		51
Cadmium		0.51	U	0.51
Cobalt		4.0		1.0
Chromium		86		1.0
Copper		53		2.0
Iron		85000		5.1
Potassium		330		100
Magnesium		1200		51
Manganese		1200		1.0
Sodium		230		100
Nickel		30		4.1
Lead		40		0.51
Antimony		2.0	U	2.0
Selenium		2.6	U	2.6
Thallium		2.6	U	2.6
Vanadium		8.0		1.0
Zinc		38		2.0

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A	Analysis Batch: 680-50054	Instrument ID: LEEMAN1	
Preparation: 7471A	Prep Batch: 680-49868	Lab File ID: N/A	
Dilution: 1.0		Initial Weight/Volume: 1.07 g	
Date Analyzed: 07/14/2006 1250		Final Weight/Volume: 50 mL	
Date Prepared: 07/13/2006 1646			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.020	U	0.020

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.10 g
Date Analyzed:	07/11/2006 0032		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		0.99	U	0.99
Aluminum		2500		20
Barium		31		0.99
Beryllium		0.40	U	0.40
Cobalt		8.8		0.99
Chromium		270		0.99
Potassium		350		99
Sodium		250		99
Nickel		58		4.0
Zinc		33		2.0

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	20		Initial Weight/Volume:	1.10 g
Date Analyzed:	07/11/2006 1840		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		20	U	20
Calcium		32000		990
Cadmium		9.9	U	9.9
Copper		40	U	40
Iron		200000		99
Magnesium		2700		990
Manganese		4300		20
Lead		34		9.9
Antimony		40	U	40
Selenium		50	U	50
Thallium		50	U	50
Vanadium		37		20

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-1-3.0-4.0

Lab Sample ID: 680-18211-3

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.3

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.06 g

Date Analyzed: 07/14/2006 1252

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.021	U	0.021

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.0-0.5

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B Analysis Batch: 680-49900 Instrument ID: ICP/AES
Preparation: 3050B Prep Batch: 680-49455 Lab File ID: N/A
Dilution: 1.0 Initial Weight/Volume: 1.12 g
Date Analyzed: 07/11/2006 0037 Final Weight/Volume: 100 mL
Date Prepared: 07/10/2006 1208

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		2.3		0.98
Aluminum		6000		20
Barium		51		0.98
Beryllium		0.45		0.39
Cobalt		1.6		0.98
Chromium		1000		0.98
Potassium		180		98
Sodium		350		98
Nickel		15		3.9
Zinc		33		2.0

Method: 6010B Analysis Batch: 680-49900 Instrument ID: ICP/AES
Preparation: 3050B Prep Batch: 680-49455 Lab File ID: N/A
Dilution: 20 Initial Weight/Volume: 1.12 g
Date Analyzed: 07/11/2006 1844 Final Weight/Volume: 100 mL
Date Prepared: 07/10/2006 1208

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		20	U	20
Calcium		230000		980
Cadmium		9.8	U	9.8
Copper		65		39
Iron		190000		98
Magnesium		38000		980
Manganese		32000		20
Lead		14		9.8
Antimony		39	U	39
Selenium		49	U	49
Thallium		49	U	49
Vanadium		700		20

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.0-0.5

Lab Sample ID: 680-18211-4

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 8.9

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.12 g

Date Analyzed: 07/14/2006 1255

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.020	U	0.020

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A
Dilution: 1.0		Initial Weight/Volume: 1.05 g
Date Analyzed: 07/11/2006 0042		Final Weight/Volume: 100 mL
Date Prepared: 07/10/2006 1208		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		1.9		1.1
Aluminum		8500		22
Arsenic		5.6		1.1
Barium		94		1.1
Beryllium		0.56		0.44
Cadmium		4.0		0.54
Cobalt		2.5		1.1
Chromium		950		1.1
Copper		41		2.2
Potassium		890		110
Sodium		440		110
Nickel		14		4.4
Antimony		2.2	U	2.2
Zinc		120		2.2

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A
Dilution: 20		Initial Weight/Volume: 1.05 g
Date Analyzed: 07/11/2006 1849		Final Weight/Volume: 100 mL
Date Prepared: 07/10/2006 1208		

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Calcium		160000		1100
Iron		97000		110
Magnesium		30000		1100
Manganese		28000		22
Lead		43		11
Selenium		54	U	54
Thallium		54	U	54
Vanadium		360		22

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-0.5-3.0

Lab Sample ID: 680-18211-5

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 12.5

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Date Analyzed: 07/14/2006 1258

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.040		0.022

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-2-6.5-7.5

Lab Sample ID: 680-18211-6

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 20.1

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B	Analysis Batch: 680-49900	Instrument ID: ICP/AES	
Preparation: 3050B	Prep Batch: 680-49455	Lab File ID: N/A	
Dilution: 1.0		Initial Weight/Volume: 1.09 g	
Date Analyzed: 07/11/2006 1854		Final Weight/Volume: 100 mL	
Date Prepared: 07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		1.1	U	1.1
Aluminum		6900		23
Arsenic		8.5		1.1
Barium		110		1.1
Beryllium		1.0		0.46
Calcium		38000		57
Cadmium		1.5		0.57
Cobalt		5.3		1.1
Chromium		17		1.1
Copper		28		2.3
Iron		58000		5.7
Potassium		1200		110
Magnesium		14000		57
Manganese		680		1.1
Sodium		340		110
Nickel		16		4.6
Lead		83		0.57
Antimony		2.3	U	2.3
Selenium		2.9	U	2.9
Thallium		2.9	U	2.9
Vanadium		21		1.1
Zinc		150		2.3

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A	Analysis Batch: 680-50054	Instrument ID: LEEMAN1	
Preparation: 7471A	Prep Batch: 680-49868	Lab File ID: N/A	
Dilution: 1.0		Initial Weight/Volume: 1.10 g	
Date Analyzed: 07/14/2006 1300		Final Weight/Volume: 50 mL	
Date Prepared: 07/13/2006 1646			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.061		0.023

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.0-0.5

Lab Sample ID: 680-18211-7

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 6.7

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.09 g

Date Analyzed: 07/14/2006 1303

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.020	U	0.020

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.12 g
Date Analyzed:	07/11/2006 0107		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		3.7		0.94
Aluminum		10000		19
Barium		130		0.94
Beryllium		0.93		0.38
Cobalt		4.6		0.94
Chromium		1600		0.94
Potassium		940		94
Sodium		690		94
Nickel		43		3.8
Zinc		57		1.9

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	20		Initial Weight/Volume:	1.12 g
Date Analyzed:	07/11/2006 1903		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		19	U	19
Calcium		180000		940
Cadmium		9.4	U	9.4
Copper		110		38
Iron		190000		94
Magnesium		32000		940
Manganese		49000		19
Lead		34		9.4
Antimony		38	U	38
Selenium		47	U	47
Thallium		47	U	47
Vanadium		430		19

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-0.5-3.0

Lab Sample ID: 680-18211-8

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 5.5

Date Received: 07/07/2006 0900

7471A Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Method: 7471A

Analysis Batch: 680-50054

Instrument ID: LEEMAN1

Preparation: 7471A

Prep Batch: 680-49868

Lab File ID: N/A

Dilution: 1.0

Initial Weight/Volume: 1.04 g

Date Analyzed: 07/14/2006 1312

Final Weight/Volume: 50 mL

Date Prepared: 07/13/2006 1646

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.020	U	0.020

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Client Sample ID: NPREC-3-6.5-7.5

Lab Sample ID: 680-18211-9

Date Sampled: 07/06/2006 0000

Client Matrix: Solid

% Moisture: 10.3

Date Received: 07/07/2006 0900

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	1.0		Initial Weight/Volume:	1.05 g
Date Analyzed:	07/11/2006 0112		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Silver		1.6		1.1
Aluminum		8400		21
Barium		140		1.1
Beryllium		1.2		0.42
Cobalt		9.8		1.1
Chromium		910		1.1
Potassium		1200		110
Sodium		490		110
Nickel		70		4.2
Zinc		1700		2.1

Method:	6010B	Analysis Batch: 680-49900	Instrument ID:	ICP/AES
Preparation:	3050B	Prep Batch: 680-49455	Lab File ID:	N/A
Dilution:	20		Initial Weight/Volume:	1.05 g
Date Analyzed:	07/11/2006 1907		Final Weight/Volume:	100 mL
Date Prepared:	07/10/2006 1208			

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		26		21
Calcium		83000		1100
Cadmium		14		11
Copper		160		42
Iron		170000		110
Magnesium		18000		1100
Manganese		14000		21
Lead		2500		11
Antimony		42	U	42
Selenium		53	U	53
Thallium		53	U	53
Vanadium		140		21

DATA REPORTING QUALIFIERS

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS VOA	U	Indicates the analyte was analyzed for but not detected.
	*	LCS or LCSD exceeds the control limits
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
GC Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	X	Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
Metals	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(BFB) (%Rec)</u>	<u>(DBFM) (%Rec)</u>	<u>(TOL) (%Rec)</u>
LCS 680-49917/5		108	116	110
LCS 680-50021/6		107	118	108
LCS 680-50303/6		97	94	96
LCS 680-50441/5		98	107	92
MB 680-49917/7		116	121	111
MB 680-50021/5		108	125	109
MB 680-50303/8		98	100	97
MB 680-50441/6		98	112	92
680-18211-1	NPREC-1-0.0-0.5	90	102	91
680-18211-2	NPREC-1-0.5-3.0	112	118	97
680-18211-3	NPREC-1-3.0-4.0	96	102	90
680-18211-4	NPREC-2-0.0-0.5	100	92	95
680-18211-5	NPREC-2-0.5-3.0	86	95	88
680-18211-6	NPREC-2-6.5-7.5	71	91	88
680-18211-7	NPREC-3-0.0-0.5	99	106	91
680-18211-8	NPREC-3-0.5-3.0	86	96	95
680-18211-9	NPREC-3-6.5-7.5	94	93	96

<u>Surrogate</u>	<u>Acceptance Limits</u>
(BFB) 4-Bromofluorobenzene	68 - 121
(DBFM) Dibromofluoromethane	66 - 127
(TOL) Toluene-d8 (Surr)	65 - 128

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
680-18211-3MS	NPREC-1-3.0-4.0	41	44	40	44	45	55
680-18211-3MSD	NPREC-1-3.0-4.0	52	55	52	54	50	65
LCS 680-49519/19-A		73	74	74	75	77	85
MB 680-49519/18-A		83	74	77	90	55	91
680-18211-1	NPREC-1-0.0-0.5	51	0 D	0 D	51	0 D	0 D
680-18211-2	NPREC-1-0.5-3.0	0 D	0 D	0 D	52	53	0 D
680-18211-3	NPREC-1-3.0-4.0	56	59	53	57	53	67
680-18211-4	NPREC-2-0.0-0.5	40	66	60	60	11 X	80
680-18211-5	NPREC-2-0.5-3.0	42	62	60	64	41	74
680-18211-6	NPREC-2-6.5-7.5	0 D	0 D	0 D	0 D	0 D	0 D
680-18211-7	NPREC-3-0.0-0.5	63	70	65	69	41	79
680-18211-8	NPREC-3-0.5-3.0	60	70	63	68	12 X	82
680-18211-9	NPREC-3-6.5-7.5	59	67	60	63	34	73

<u>Surrogate</u>		<u>Acceptance Limits</u>
(2FP)	2-Fluorophenol	36 - 101
(FBP)	2-Fluorobiphenyl	38 - 104
(NBZ)	Nitrobenzene-d5	33 - 94
(PHL)	Phenol-d5	38 - 102
(TBP)	2,4,6-Tribromophenol	27 - 124
(TPH)	Terphenyl-d14	40 - 129

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Surrogate Recovery Report

8081A 8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(DCB 1) (%Rec)</u>	<u>(TCX 1) (%Rec)</u>
680-18211-5MS	NPREC-2-0.5-3.0	67	57
680-18211-5MSD	NPREC-2-0.5-3.0	71	56
LCS 680-49517/19-A		74	59
MB 680-49517/18-A		80	78
680-18211-1	NPREC-1-0.0-0.5	0 D	0 D
680-18211-2	NPREC-1-0.5-3.0	0 D	0 D
680-18211-3	NPREC-1-3.0-4.0	67	150
680-18211-4	NPREC-2-0.0-0.5	65	40
680-18211-5	NPREC-2-0.5-3.0	71	59
680-18211-6	NPREC-2-6.5-7.5	73	482 X
680-18211-7	NPREC-3-0.0-0.5	81	57
680-18211-8	NPREC-3-0.5-3.0	62	61
680-18211-9	NPREC-3-6.5-7.5	64	83

<u>Surrogate</u>		<u>Acceptance Limits</u>
(DCB 1)	DCB Decachlorobiphenyl	30 - 150
(TCX 1)	Tetrachloro-m-xylene	30 - 150

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49917

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-49917/7
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/14/2006 1206
Date Prepared: N/A

Analysis Batch: 680-49917
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq334.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	5.0	U	5.0
Bromomethane	5.0	U	5.0
Vinyl chloride	5.0	U	5.0
Chloroethane	5.0	U	5.0
Methylene Chloride	5.0	U	5.0
Acetone	50	U	50
Carbon disulfide	5.0	U	5.0
1,1-Dichloroethene	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
cis-1,2-Dichloroethene	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	5.0
Chloroform	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
Methyl Ethyl Ketone	25	U	25
1,1,1-Trichloroethane	5.0	U	5.0
Carbon tetrachloride	5.0	U	5.0
Dichlorobromomethane	5.0	U	5.0
1,1,1,2-Tetrachloroethane	5.0	U	5.0
1,2-Dichloropropane	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
Trichloroethene	5.0	U	5.0
Chlorodibromomethane	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Benzene	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
Bromoform	5.0	U	5.0
2-Hexanone	25	U	25
methyl isobutyl ketone	25	U	25
Tetrachloroethene	5.0	U	5.0
Toluene	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
Styrene	5.0	U	5.0
Xylenes, Total	10	U	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	111	65 - 128
4-Bromofluorobenzene	116	68 - 121
Dibromofluoromethane	121	66 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-49917

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-49917/5
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/14/2006 1058
Date Prepared: N/A

Analysis Batch: 680-49917
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq332.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	46	91	42 - 140	
Bromomethane	50.0	44	88	26 - 160	
Vinyl chloride	50.0	39	79	34 - 154	
Chloroethane	50.0	54	108	20 - 140	
Methylene Chloride	50.0	58	117	54 - 150	
Acetone	100	180	181	28 - 143	*
Carbon disulfide	50.0	61	122	32 - 157	
1,1-Dichloroethene	50.0	55	111	52 - 143	
1,1-Dichloroethane	50.0	54	108	43 - 157	
cis-1,2-Dichloroethene	50.0	56	113	69 - 131	
trans-1,2-Dichloroethene	50.0	60	119	35 - 154	
Chloroform	50.0	57	114	77 - 125	
1,2-Dichloroethane	50.0	49	98	65 - 133	
Methyl Ethyl Ketone	100	110	109	30 - 149	
1,1,1-Trichloroethane	50.0	57	114	58 - 139	
Carbon tetrachloride	50.0	53	105	62 - 140	
Dichlorobromomethane	50.0	51	101	74 - 128	
1,1,2,2-Tetrachloroethane	50.0	49	99	64 - 130	
1,2-Dichloropropane	50.0	43	86	77 - 118	
trans-1,3-Dichloropropene	50.0	54	108	75 - 126	
Trichloroethene	50.0	52	104	80 - 122	
Chlorodibromomethane	50.0	55	109	67 - 135	
1,1,2-Trichloroethane	50.0	49	98	76 - 120	
Benzene	50.0	47	94	79 - 118	
cis-1,3-Dichloropropene	50.0	53	106	71 - 123	
Bromoform	50.0	56	112	62 - 137	
2-Hexanone	100	100	100	30 - 148	
methyl isobutyl ketone	100	90	90	29 - 150	
Tetrachloroethene	50.0	61	122	79 - 132	
Toluene	50.0	53	107	80 - 118	
Chlorobenzene	50.0	54	109	81 - 120	
Ethylbenzene	50.0	53	107	82 - 118	
Styrene	50.0	53	106	80 - 118	
Xylenes, Total	150	160	105	74 - 122	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-50021

**Method: 8260B
Preparation: N/A**

Lab Sample ID: MB 680-50021/5
 Client Matrix: Solid
 Dilution: 40
 Date Analyzed: 07/14/2006 1229
 Date Prepared: N/A

Analysis Batch: 680-50021
 Prep Batch: N/A
 Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
 Lab File ID: mq335.d
 Initial Weight/Volume: 5 g
 Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Chloromethane	200	U	200
Bromomethane	200	U	200
Vinyl chloride	200	U	200
Chloroethane	200	U	200
Methylene Chloride	200	U	200
Acetone	2000	U	2000
Carbon disulfide	200	U	200
1,1-Dichloroethene	200	U	200
1,1-Dichloroethane	200	U	200
cis-1,2-Dichloroethene	200	U	200
trans-1,2-Dichloroethene	200	U	200
Chloroform	200	U	200
1,2-Dichloroethane	200	U	200
Methyl Ethyl Ketone	1000	U	1000
1,1,1-Trichloroethane	200	U	200
Carbon tetrachloride	200	U	200
Dichlorobromomethane	200	U	200
1,1,2,2-Tetrachloroethane	200	U	200
1,2-Dichloropropane	200	U	200
trans-1,3-Dichloropropene	200	U	200
Trichloroethene	200	U	200
Chlorodibromomethane	200	U	200
1,1,2-Trichloroethane	200	U	200
Benzene	200	U	200
cis-1,3-Dichloropropene	200	U	200
Bromoform	200	U	200
2-Hexanone	1000	U	1000
methyl isobutyl ketone	1000	U	1000
Tetrachloroethene	200	U	200
Toluene	200	U	200
Chlorobenzene	200	U	200
Ethylbenzene	200	U	200
Styrene	200	U	200
Xylenes, Total	400	U	400

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	109	65 - 128
4-Bromofluorobenzene	108	68 - 121
Dibromofluoromethane	125	66 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-50021

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-50021/6
Client Matrix: Solid
Dilution: 40
Date Analyzed: 07/14/2006 1422
Date Prepared: N/A

Analysis Batch: 680-50021
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq337.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	2500	2200	88	42 - 140	
Bromomethane	2500	1800	71	26 - 160	
Vinyl chloride	2500	2000	79	34 - 154	
Chloroethane	2500	1400	56	20 - 140	
Methylene Chloride	2500	2900	117	54 - 150	
Acetone	5000	9100	181	28 - 143	*
Carbon disulfide	2500	3100	123	32 - 157	
1,1-Dichloroethene	2500	2800	113	52 - 143	
1,1-Dichloroethane	2500	2800	110	43 - 157	
cis-1,2-Dichloroethene	2500	3000	119	69 - 131	
trans-1,2-Dichloroethene	2500	3100	124	35 - 154	
Chloroform	2500	2900	117	77 - 125	
1,2-Dichloroethane	2500	2400	95	65 - 133	
Methyl Ethyl Ketone	5000	5400	109	30 - 149	
1,1,1-Trichloroethane	2500	2700	109	58 - 139	
Carbon tetrachloride	2500	2700	108	62 - 140	
Dichlorobromomethane	2500	2600	103	74 - 128	
1,1,2,2-Tetrachloroethane	2500	2300	91	64 - 130	
1,2-Dichloropropane	2500	2200	88	77 - 118	
trans-1,3-Dichloropropene	2500	2600	104	75 - 126	
Trichloroethene	2500	2600	104	80 - 122	
Chlorodibromomethane	2500	2700	106	67 - 135	
1,1,2-Trichloroethane	2500	2300	94	76 - 120	
Benzene	2500	2300	93	79 - 118	
cis-1,3-Dichloropropene	2500	2700	106	71 - 123	
Bromoform	2500	2600	105	62 - 137	
2-Hexanone	5000	4600	91	30 - 148	
methyl isobutyl ketone	5000	4000	81	29 - 150	
Tetrachloroethene	2500	3200	127	79 - 132	
Toluene	2500	2600	105	80 - 118	
Chlorobenzene	2500	2800	111	81 - 120	
Ethylbenzene	2500	2700	109	82 - 118	
Styrene	2500	2700	109	80 - 118	
Xylenes, Total	7500	8300	110	74 - 122	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-50303

**Method: 8260B
Preparation: N/A**

Lab Sample ID: MB 680-50303/8
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/19/2006 1716
Date Prepared: N/A

Analysis Batch: 680-50303
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq377.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	5.0	U	5.0
Bromomethane	5.0	U	5.0
Vinyl chloride	5.0	U	5.0
Chloroethane	5.0	U	5.0
Methylene Chloride	5.0	U	5.0
Acetone	50	U	50
Carbon disulfide	5.0	U	5.0
1,1-Dichloroethene	5.0	U	5.0
1,1-Dichloroethane	5.0	U	5.0
cis-1,2-Dichloroethene	5.0	U	5.0
trans-1,2-Dichloroethene	5.0	U	5.0
Chloroform	5.0	U	5.0
1,2-Dichloroethane	5.0	U	5.0
Methyl Ethyl Ketone	25	U	25
1,1,1-Trichloroethane	5.0	U	5.0
Carbon tetrachloride	5.0	U	5.0
Dichlorobromomethane	5.0	U	5.0
1,1,1,2-Tetrachloroethane	5.0	U	5.0
1,2-Dichloropropane	5.0	U	5.0
trans-1,3-Dichloropropene	5.0	U	5.0
Trichloroethene	5.0	U	5.0
Chlorodibromomethane	5.0	U	5.0
1,1,2-Trichloroethane	5.0	U	5.0
Benzene	5.0	U	5.0
cis-1,3-Dichloropropene	5.0	U	5.0
Bromoform	5.0	U	5.0
2-Hexanone	25	U	25
methyl isobutyl ketone	25	U	25
Tetrachloroethene	5.0	U	5.0
Toluene	5.0	U	5.0
Chlorobenzene	5.0	U	5.0
Ethylbenzene	5.0	U	5.0
Styrene	5.0	U	5.0
Xylenes, Total	10	U	10

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	65 - 128
4-Bromofluorobenzene	98	68 - 121
Dibromofluoromethane	100	66 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-50303

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-50303/6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/19/2006 1608
Date Prepared: N/A

Analysis Batch: 680-50303
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq375.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	50.0	41	83	42 - 140	
Bromomethane	50.0	39	78	26 - 160	
Vinyl chloride	50.0	37	73	34 - 154	
Chloroethane	50.0	46	93	20 - 140	
Methylene Chloride	50.0	48	95	54 - 150	
Acetone	100	130	134	28 - 143	
Carbon disulfide	50.0	56	113	32 - 157	
1,1-Dichloroethene	50.0	48	97	52 - 143	
1,1-Dichloroethane	50.0	48	95	43 - 157	
cis-1,2-Dichloroethene	50.0	48	96	69 - 131	
trans-1,2-Dichloroethene	50.0	50	100	35 - 154	
Chloroform	50.0	50	100	77 - 125	
1,2-Dichloroethane	50.0	46	93	65 - 133	
Methyl Ethyl Ketone	100	110	113	30 - 149	
1,1,1-Trichloroethane	50.0	48	95	58 - 139	
Carbon tetrachloride	50.0	49	98	62 - 140	
Dichlorobromomethane	50.0	47	94	74 - 128	
1,1,2,2-Tetrachloroethane	50.0	45	90	64 - 130	
1,2-Dichloropropane	50.0	48	96	77 - 118	
trans-1,3-Dichloropropene	50.0	49	97	75 - 126	
Trichloroethene	50.0	49	98	80 - 122	
Chlorodibromomethane	50.0	48	95	67 - 135	
1,1,2-Trichloroethane	50.0	44	88	76 - 120	
Benzene	50.0	48	96	79 - 118	
cis-1,3-Dichloropropene	50.0	45	90	71 - 123	
Bromoform	50.0	46	91	62 - 137	
2-Hexanone	100	100	104	30 - 148	
methyl isobutyl ketone	100	91	91	29 - 150	
Tetrachloroethene	50.0	51	102	79 - 132	
Toluene	50.0	48	96	80 - 118	
Chlorobenzene	50.0	48	96	81 - 120	
Ethylbenzene	50.0	49	99	82 - 118	
Styrene	50.0	48	96	80 - 118	
Xylenes, Total	150	140	96	74 - 122	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-50441

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 680-50441/6
Client Matrix: Solid
Dilution: 40
Date Analyzed: 07/20/2006 1243
Date Prepared: N/A

Analysis Batch: 680-50441
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq385.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Chloromethane	200	U	200
Bromomethane	200	U	200
Vinyl chloride	200	U	200
Chloroethane	200	U	200
Methylene Chloride	200	U	200
Acetone	2000	U	2000
Carbon disulfide	200	U	200
1,1-Dichloroethene	200	U	200
1,1-Dichloroethane	200	U	200
cis-1,2-Dichloroethene	200	U	200
trans-1,2-Dichloroethene	200	U	200
Chloroform	200	U	200
1,2-Dichloroethane	200	U	200
Methyl Ethyl Ketone	1000	U	1000
1,1,1-Trichloroethane	200	U	200
Carbon tetrachloride	200	U	200
Dichlorobromomethane	200	U	200
1,1,2,2-Tetrachloroethane	200	U	200
1,2-Dichloropropane	200	U	200
trans-1,3-Dichloropropene	200	U	200
Trichloroethene	200	U	200
Chlorodibromomethane	200	U	200
1,1,2-Trichloroethane	200	U	200
Benzene	200	U	200
cis-1,3-Dichloropropene	200	U	200
Bromoform	200	U	200
2-Hexanone	1000	U	1000
methyl isobutyl ketone	1000	U	1000
Tetrachloroethene	200	U	200
Toluene	200	U	200
Chlorobenzene	200	U	200
Ethylbenzene	200	U	200
Styrene	200	U	200
Xylenes, Total	400	U	400

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	92	65 - 128
4-Bromofluorobenzene	98	68 - 121
Dibromofluoromethane	112	66 - 127

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-50441

**Method: 8260B
Preparation: N/A**

Lab Sample ID: LCS 680-50441/5
Client Matrix: Solid
Dilution: 40
Date Analyzed: 07/20/2006 1135
Date Prepared: N/A

Analysis Batch: 680-50441
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - M
Lab File ID: mq383.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	2500	2710	108	42 - 140	
Bromomethane	2500	1510	60	26 - 160	
Vinyl chloride	2500	2420	97	34 - 154	
Chloroethane	2500	1360	54	20 - 140	
Methylene Chloride	2500	2860	115	54 - 150	
Acetone	5000	9560	191	28 - 143	*
Carbon disulfide	2500	3290	132	32 - 157	
1,1-Dichloroethene	2500	3000	120	52 - 143	
1,1-Dichloroethane	2500	2900	116	43 - 157	
cis-1,2-Dichloroethene	2500	2690	108	69 - 131	
trans-1,2-Dichloroethene	2500	2800	112	35 - 154	
Chloroform	2500	2800	112	77 - 125	
1,2-Dichloroethane	2500	1960	79	65 - 133	
Methyl Ethyl Ketone	5000	7020	140	30 - 149	
1,1,1-Trichloroethane	2500	2400	96	58 - 139	
Carbon tetrachloride	2500	2440	98	62 - 140	
Dichlorobromomethane	2500	2160	86	74 - 128	
1,1,2,2-Tetrachloroethane	2500	1990	80	64 - 130	
1,2-Dichloropropane	2500	2260	90	77 - 118	
trans-1,3-Dichloropropene	2500	2260	90	75 - 126	
Trichloroethene	2500	2460	98	80 - 122	
Chlorodibromomethane	2500	2210	88	67 - 135	
1,1,2-Trichloroethane	2500	2000	80	76 - 120	
Benzene	2500	2480	99	79 - 118	
cis-1,3-Dichloropropene	2500	2080	83	71 - 123	
Bromoform	2500	2070	83	62 - 137	
2-Hexanone	5000	6420	128	30 - 148	
methyl isobutyl ketone	5000	4060	81	29 - 150	
Tetrachloroethene	2500	2710	108	79 - 132	
Toluene	2500	2410	97	80 - 118	
Chlorobenzene	2500	2490	100	81 - 120	
Ethylbenzene	2500	2610	105	82 - 118	
Styrene	2500	2540	102	80 - 118	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49519

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-49519/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 1732
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3855.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	330	U	330
Bis(2-chloroethyl)ether	330	U	330
2-Chlorophenol	330	U	330
1,3-Dichlorobenzene	330	U	330
1,4-Dichlorobenzene	330	U	330
1,2-Dichlorobenzene	330	U	330
2-Methylphenol	330	U	330
N-Nitrosodi-n-propylamine	330	U	330
Hexachloroethane	330	U	330
Nitrobenzene	330	U	330
Isophorone	330	U	330
2-Nitrophenol	330	U	330
2,4-Dimethylphenol	330	U	330
Bis(2-chloroethoxy)methane	330	U	330
2,4-Dichlorophenol	330	U	330
1,2,4-Trichlorobenzene	330	U	330
Naphthalene	330	U	330
4-Chloroaniline	660	U	660
Hexachlorobutadiene	330	U	330
4-Chloro-3-methylphenol	330	U	330
2-Methylnaphthalene	330	U	330
Hexachlorocyclopentadiene	330	U	330
2,4,6-Trichlorophenol	330	U	330
2,4,5-Trichlorophenol	330	U	330
2-Chloronaphthalene	330	U	330
2-Nitroaniline	1700	U	1700
Dimethyl phthalate	330	U	330
Acenaphthylene	330	U	330
3-Nitroaniline	1700	U	1700
Acenaphthene	330	U	330
2,4-Dinitrophenol	1700	U	1700
4-Nitrophenol	1700	U	1700
Dibenzofuran	330	U	330
2,4-Dinitrotoluene	330	U	330
2,6-Dinitrotoluene	330	U	330
3 & 4 Methylphenol	330	U	330
Diethyl phthalate	330	U	330
4-Chlorophenyl phenyl ether	330	U	330
Fluorene	330	U	330
4-Nitroaniline	1700	U	1700
4,6-Dinitro-2-methylphenol	1700	U	1700

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49519

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-49519/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 1732
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3855.d
Initial Weight/Volume: 30.01 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
N-Nitrosodiphenylamine	330	U	330
4-Bromophenyl phenyl ether	330	U	330
Hexachlorobenzene	330	U	330
Pentachlorophenol	1700	U	1700
Phenanthrene	330	U	330
Anthracene	330	U	330
Di-n-butyl phthalate	330	U	330
Fluoranthene	330	U	330
Pyrene	330	U	330
Butyl benzyl phthalate	330	U	330
3,3'-Dichlorobenzidine	660	U	660
Benzo[a]anthracene	330	U	330
Bis(2-ethylhexyl) phthalate	330	U	330
Chrysene	330	U	330
Di-n-octyl phthalate	330	U	330
Benzo[b]fluoranthene	330	U	330
Benzo[k]fluoranthene	330	U	330
Benzo[a]pyrene	330	U	330
Indeno[1,2,3-cd]pyrene	330	U	330
Dibenz(a,h)anthracene	330	U	330
Benzo[g,h,i]perylene	330	U	330
Carbazole	330	U	330
bis(chloroisopropyl) ether	330	U	330

Surrogate	% Rec	Acceptance Limits
Phenol-d5	90	38 - 102
2-Fluorophenol	83	36 - 101
2,4,6-Tribromophenol	55	27 - 124
Nitrobenzene-d5	77	33 - 94
2-Fluorobiphenyl	74	38 - 104
Terphenyl-d14	91	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-49519

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-49519/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 1757
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3856.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	3330	2200	67	34 - 98	
Bis(2-chloroethyl)ether	3330	2200	65	30 - 98	
2-Chlorophenol	3330	2200	66	36 - 99	
1,3-Dichlorobenzene	3330	2000	59	34 - 90	
1,4-Dichlorobenzene	3330	2000	60	32 - 90	
1,2-Dichlorobenzene	3330	2100	62	35 - 93	
2-Methylphenol	3330	2300	69	38 - 107	
N-Nitrosodi-n-propylamine	3330	2200	66	24 - 108	
Hexachloroethane	3330	1900	58	31 - 88	
Nitrobenzene	3330	2200	66	33 - 106	
Isophorone	3330	2300	69	37 - 106	
2-Nitrophenol	3330	2300	69	38 - 104	
2,4-Dimethylphenol	3330	2300	70	40 - 112	
Bis(2-chloroethoxy)methane	3330	2300	70	38 - 106	
2,4-Dichlorophenol	3330	2300	70	43 - 108	
1,2,4-Trichlorobenzene	3330	2200	64	36 - 98	
Naphthalene	3330	2200	66	34 - 97	
4-Chloroaniline	3330	1900	58	7 - 103	
Hexachlorobutadiene	3330	2400	70	42 - 105	
4-Chloro-3-methylphenol	3330	2400	71	39 - 113	
2-Methylnaphthalene	3330	2200	66	39 - 104	
Hexachlorocyclopentadiene	3330	2400	72	20 - 109	
2,4,6-Trichlorophenol	3330	2300	70	44 - 113	
2,4,5-Trichlorophenol	3330	2400	71	46 - 116	
2-Chloronaphthalene	3330	2300	69	41 - 110	
2-Nitroaniline	3330	2500	76	38 - 124	
Dimethyl phthalate	3330	2400	72	43 - 114	
Acenaphthylene	3330	2400	72	41 - 112	
3-Nitroaniline	3330	2400	71	19 - 118	
Acenaphthene	3330	2300	70	36 - 108	
2,4-Dinitrophenol	3330	1700	15	1 - 131	U
4-Nitrophenol	3330	2600	77	21 - 132	
Dibenzofuran	3330	2300	69	44 - 108	
2,4-Dinitrotoluene	3330	2600	79	32 - 128	
2,6-Dinitrotoluene	3330	2600	79	38 - 128	
3 & 4 Methylphenol	3330	2300	68	37 - 106	
Diethyl phthalate	3330	2400	72	41 - 118	
4-Chlorophenyl phenyl ether	3330	2300	69	42 - 111	
Fluorene	3330	2300	70	37 - 113	
4-Nitroaniline	3330	2400	71	32 - 130	
4,6-Dinitro-2-methylphenol	3330	1700	37	11 - 142	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-49519

**Method: 8270C
Preparation: 3550B**

Lab Sample ID: LCS 680-49519/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 1757
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3856.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	3330	2500	76	16 - 113	
4-Bromophenyl phenyl ether	3330	2100	64	38 - 106	
Hexachlorobenzene	3330	2400	72	46 - 115	
Pentachlorophenol	3330	2000	59	27 - 116	
Phenanthrene	3330	2400	73	47 - 114	
Anthracene	3330	2500	74	46 - 115	
Di-n-butyl phthalate	3330	2500	74	35 - 93	
Fluoranthene	3330	2400	73	41 - 124	
Pyrene	3330	2600	78	36 - 128	
Butyl benzyl phthalate	3330	2700	82	43 - 127	
3,3'-Dichlorobenzidine	3330	1900	57	1 - 118	
Benzo[a]anthracene	3330	2600	76	46 - 116	
Bis(2-ethylhexyl) phthalate	3330	2600	79	25 - 134	
Chrysene	3330	2500	75	46 - 118	
Di-n-octyl phthalate	3330	2600	79	43 - 129	
Benzo[b]fluoranthene	3330	3600	107	35 - 122	
Benzo[k]fluoranthene	3330	2500	74	36 - 124	
Benzo[a]pyrene	3330	2700	80	37 - 120	
Indeno[1,2,3-cd]pyrene	3330	2500	74	36 - 133	
Dibenz(a,h)anthracene	3330	2500	76	41 - 124	
Benzo[g,h,i]perylene	3330	2500	74	41 - 122	
Carbazole	3330	2500	75	47 - 118	
bis(chloroisopropyl) ether	3330	2200	65	16 - 116	

Surrogate	% Rec	Acceptance Limits
Phenol-d5	75	38 - 102
2-Fluorophenol	73	36 - 101
2,4,6-Tribromophenol	77	27 - 124
Nitrobenzene-d5	74	33 - 94
2-Fluorobiphenyl	74	38 - 104
Terphenyl-d14	85	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-49519**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2209
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3866.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2234
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3867.d
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Phenol	40	53	34 - 98	26	50		
Bis(2-chloroethyl)ether	36	47	30 - 98	28	50		
2-Chlorophenol	39	49	36 - 99	23	50		
1,3-Dichlorobenzene	32	42	34 - 90	26	50	F	
1,4-Dichlorobenzene	34	44	32 - 90	27	50		
1,2-Dichlorobenzene	35	46	35 - 93	26	50		
2-Methylphenol	42	52	38 - 107	20	50		
N-Nitrosodi-n-propylamine	40	48	24 - 108	19	50		
Hexachloroethane	31	42	31 - 88	28	50		
Nitrobenzene	37	48	33 - 106	25	50		
Isophorone	39	50	37 - 106	25	50		
2-Nitrophenol	37	48	38 - 104	25	50	F	
2,4-Dimethylphenol	43	55	40 - 112	24	50		
Bis(2-chloroethoxy)methane	40	52	38 - 106	27	50		
2,4-Dichlorophenol	42	54	43 - 108	23	50		
1,2,4-Trichlorobenzene	36	48	36 - 98	28	50		
Naphthalene	52	81	34 - 97	35	50		
4-Chloroaniline	42	51	7 - 103	20	50		
Hexachlorobutadiene	38	50	42 - 105	28	50	F	
4-Chloro-3-methylphenol	45	56	39 - 113	21	50		
2-Methylnaphthalene	48	71	39 - 104	32	50		
Hexachlorocyclopentadiene	30	37	20 - 109	21	50		
2,4,6-Trichlorophenol	38	46	44 - 113	18	50	F	
2,4,5-Trichlorophenol	44	58	46 - 116	26	50	F	
2-Chloronaphthalene	42	52	41 - 110	21	50		
2-Nitroaniline	47	56	38 - 124	17	50	U	
Dimethyl phthalate	44	53	43 - 114	20	50		
Acenaphthylene	71	118	41 - 112	36	50		F
3-Nitroaniline	47	57	19 - 118	18	50	U	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-49519**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2209
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3866.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2234
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3867.d
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	46	58	36 - 108	23	50		
2,4-Dinitrophenol	15	20	1 - 131	31	50	U	U
4-Nitrophenol	41	52	21 - 132	24	50	U	
Dibenzofuran	58	89	44 - 108	33	50		
2,4-Dinitrotoluene	47	59	32 - 128	22	50		
2,6-Dinitrotoluene	48	58	38 - 128	19	50		
3 & 4 Methylphenol	44	54	37 - 106	21	50		
Diethyl phthalate	45	54	41 - 118	19	50		
4-Chlorophenyl phenyl ether	43	53	42 - 111	21	50		
Fluorene	65	102	37 - 113	32	50		
4-Nitroaniline	51	65	32 - 130	22	50		
4,6-Dinitro-2-methylphenol	27	34	11 - 142	23	50	U	U
N-Nitrosodiphenylamine	50	61	16 - 113	19	50		
4-Bromophenyl phenyl ether	42	50	38 - 106	19	50		
Hexachlorobenzene	47	57	46 - 115	20	50		
Pentachlorophenol	29	42	27 - 116	34	50	U	U
Phenanthrene	137	265	47 - 114	37	50	F	F
Anthracene	81	121	46 - 115	28	50		F
Di-n-butyl phthalate	47	58	35 - 93	20	50		
Fluoranthene	142	249	41 - 124	31	50	F	F
Pyrene	139	220	36 - 128	26	50	F	F
Butyl benzyl phthalate	54	64	43 - 127	17	50		
3,3'-Dichlorobenzidine	51	60	1 - 118	16	50		
Benzo[a]anthracene	89	125	46 - 116	23	50		F
Bis(2-ethylhexyl) phthalate	54	66	25 - 134	20	50		
Chrysene	77	110	46 - 118	24	50		
Di-n-octyl phthalate	53	63	43 - 129	18	50		
Benzo[b]fluoranthene	61	84	35 - 122	15	50		
Benzo[k]fluoranthene	82	110	36 - 124	29	50		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-49519**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2209
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3866.d
Initial Weight/Volume: 30.03 g
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 680-18211-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/12/2006 2234
Date Prepared: 07/11/2006 0724

Analysis Batch: 680-49812
Prep Batch: 680-49519

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t3867.d
Initial Weight/Volume: 30.11 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzo[a]pyrene	78	108	37 - 120	21	50		
Indeno[1,2,3-cd]pyrene	71	99	36 - 133	25	50		
Dibenz(a,h)anthracene	60	73	41 - 124	19	50		
Benzo[g,h,i]perylene	65	88	41 - 122	22	50		
Carbazole	54	74	47 - 118	28	50		
bis(chloroisopropyl) ether	37	48	16 - 116	24	50		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Phenol-d5	44	54	38 - 102
2-Fluorophenol	41	52	36 - 101
2,4,6-Tribromophenol	45	50	27 - 124
Nitrobenzene-d5	40	52	33 - 94
2-Fluorobiphenyl	44	55	38 - 104
Terphenyl-d14	55	65	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49517

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-49517/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/13/2006 1314
Date Prepared: 07/11/2006 0718

Analysis Batch: 680-49916
Prep Batch: 680-49517
Units: ug/Kg

Instrument ID: GC SemiVolatiles - R
Lab File ID: rg13011.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	33	U	33
PCB-1221	67	U	67
PCB-1232	33	U	33
PCB-1242	33	U	33
PCB-1248	33	U	33
PCB-1254	33	U	33
PCB-1260	33	U	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	78	30 - 150
DCB Decachlorobiphenyl	80	30 - 150

Lab Control Spike - Batch: 680-49517

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-49517/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/13/2006 1334
Date Prepared: 07/11/2006 0718

Analysis Batch: 680-49916
Prep Batch: 680-49517
Units: ug/Kg

Instrument ID: GC SemiVolatiles - R
Lab File ID: rg13012.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	219	66	34 - 128	
PCB-1260	333	265	80	28 - 168	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	59	30 - 150
DCB Decachlorobiphenyl	74	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 680-49517**

**Method: 8081A_8082
Preparation: 3550B**

MS Lab Sample ID: 680-18211-5
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 07/13/2006 1535
Date Prepared: 07/11/2006 0718

Analysis Batch: 680-49916
Prep Batch: 680-49517

Instrument ID: GC SemiVolatiles - R
Lab File ID: rg13018.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 680-18211-5
Client Matrix: Solid
Dilution: 2.0
Date Analyzed: 07/13/2006 1555
Date Prepared: 07/11/2006 0718

Analysis Batch: 680-49916
Prep Batch: 680-49517

Instrument ID: GC SemiVolatiles - R
Lab File ID: rg13019.d
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
PCB-1016	72	81	34 - 128	12	50		
PCB-1260	73	81	28 - 168	11	50		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	57		56		30 - 150		
DCB Decachlorobiphenyl	67		71		30 - 150		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49455

Method: 6010B
Preparation: 3050B

Lab Sample ID: MB 680-49455/18-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2006 2303
Date Prepared: 07/10/2006 1208

Analysis Batch: 680-49900
Prep Batch: 680-49455
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Silver	1.0	U	1.0
Aluminum	20	U	20
Arsenic	1.0	U	1.0
Barium	1.0	U	1.0
Beryllium	0.40	U	0.40
Calcium	50	U	50
Cadmium	0.50	U	0.50
Cobalt	1.0	U	1.0
Chromium	1.0	U	1.0
Copper	2.0	U	2.0
Iron	5.0	U	5.0
Potassium	100	U	100
Magnesium	50	U	50
Manganese	1.0	U	1.0
Sodium	100	U	100
Nickel	4.0	U	4.0
Lead	0.50	U	0.50
Antimony	2.0	U	2.0
Selenium	2.5	U	2.5
Thallium	2.5	U	2.5
Vanadium	1.0	U	1.0
Zinc	2.0	U	2.0

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Lab Control Spike - Batch: 680-49455

Method: 6010B
Preparation: 3050B

Lab Sample ID: LCS 680-49455/19-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/10/2006 2308
Date Prepared: 07/10/2006 1208

Analysis Batch: 680-49900
Prep Batch: 680-49455
Units: mg/Kg

Instrument ID: ICP/AES
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	5.00	4.63	93	75 - 125	
Aluminum	200	191	96	75 - 125	
Arsenic	200	181	90	75 - 125	
Barium	200	195	97	75 - 125	
Beryllium	5.00	4.81	96	75 - 125	
Calcium	500	497	99	75 - 125	
Cadmium	5.00	4.57	91	75 - 125	
Cobalt	50.0	47.5	95	75 - 125	
Chromium	20.0	19.2	96	75 - 125	
Copper	25.0	24.8	99	75 - 125	
Iron	109	104	95	75 - 125	
Potassium	500	465	93	75 - 125	
Magnesium	500	474	95	75 - 125	
Manganese	50.0	50.1	100	75 - 125	
Sodium	500	482	96	75 - 125	
Nickel	50.0	46.9	94	75 - 125	
Lead	50.0	46.6	93	75 - 125	
Antimony	50.0	45.6	91	75 - 125	
Selenium	200	177	89	75 - 125	
Thallium	200	189	94	75 - 125	
Vanadium	50.0	47.8	96	75 - 125	
Zinc	50.0	48.8	98	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-18211-1

Method Blank - Batch: 680-49868

Method: 7471A
Preparation: 7471A

Lab Sample ID: MB 680-49868/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/14/2006 1242
Date Prepared: 07/13/2006 1646

Analysis Batch: 680-50054
Prep Batch: 680-49868
Units: mg/Kg

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	0.020	U	0.020

Lab Control Spike - Batch: 680-49868

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 680-49868/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 07/14/2006 1244
Date Prepared: 07/13/2006 1646

Analysis Batch: 680-50054
Prep Batch: 680-49868
Units: mg/Kg

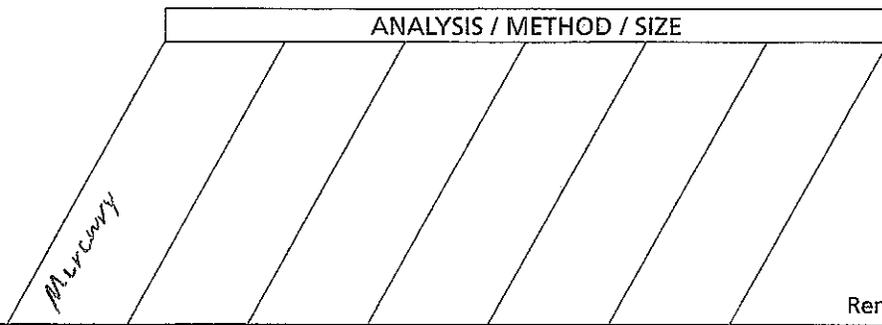
Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.125	0.115	92	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.



Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORDPage 1 of 1Project Number/Name C100664.0018.00003Project Location Chicago, ILLaboratory STL - SavannahProject Manager Michael GargasSampler(s)/Affiliation Erik Herzog/ARCADIS

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE						Remarks	Total
NPREC-1-0.0-0.5	S	7/6/06		X							1
NPREC-1-0.5-2.0				X							1
NPREC-1-3.0-4.0				X							1
NPREC-2-0.0-0.5				X							1
NPREC-2-0.5-2.0				X							1
NPREC-2-2.5-3.0				X							1
NPREC-2-3.5-4.5				X							1
NPREC-3-0.0-0.5				X							1
NPREC-3-0.5-2.0				X							1
NPREC-3-2.5-3.5				X							1
680-18211											
EMP. 518/6.0											
4.3											

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 9

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS</u>	Date: <u>7/6/06</u>	Time: _____	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>STL/SA</u>	Date: <u>07/07/06</u>	Time: <u>0900</u>	Yes No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Yes No N/A

Special Instructions/Remarks: _____

 Delivery Method: In Person Common Carrier Fed Ex Lab Courier Other _____

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ANALYTICAL REPORT

Job Number: 680-21768-1

Job Description: Wisconsin Steel Works

For:
ARCADIS G&M, Inc.
35 East Wacker Drive
Suite 1000
Chicago, IL 60601

Attention: Ms. Michele Gurgas

Kathryn Smith

Kathryn Smith
Project Manager I
kesmith@stl-inc.com
11/17/2006

Project Manager: Kathryn Smith

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

METHOD SUMMARY

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL SAV	SW846 8270C	
Ultrasonic Extraction	STL SAV		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL SAV		SW846 3010A
Percent Moisture	STL SAV	EPA PercentMoisture	

LAB REFERENCES:

STL SAV = STL Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

SAMPLE SUMMARY

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-21768-1	NPREC-4-6.5-7.5	Solid	11/07/2006 0825	11/08/2006 0905
680-21768-2	NPREC-5-0.0-0.5	Solid	11/07/2006 0910	11/08/2006 0905
680-21768-3	NPREC-5-0.5-3.0	Solid	11/07/2006 0915	11/08/2006 0905
680-21768-4	NPREC-6-0.0-0.5	Solid	11/07/2006 0920	11/08/2006 0905
680-21768-5	NPREC-6-0.5-3.0	Solid	11/07/2006 0925	11/08/2006 0905
680-21768-6	NPREC-7-0.0-0.5	Solid	11/07/2006 0930	11/08/2006 0905
680-21768-7	NPREC-7-0.5-3.0	Solid	11/07/2006 0935	11/08/2006 0905
680-21768-8	NPREC-8-0.0-0.5	Solid	11/07/2006 0940	11/08/2006 0905
680-21768-9	NPREC-8-0.5-3.0	Solid	11/07/2006 0945	11/08/2006 0905
680-21768-10	NPREC-9-0.0-0.5	Solid	11/07/2006 0950	11/08/2006 0905
680-21768-11	NPREC-9-0.0-3.0	Solid	11/07/2006 0955	11/08/2006 0905
680-21768-12	NPREC-10-0.0-0.5	Solid	11/07/2006 1000	11/08/2006 0905
680-21768-13	NPREC-10-0.5-3.0	Solid	11/07/2006 1005	11/08/2006 0905
680-21768-14	NPREC-11-0.0-0.5	Solid	11/07/2006 1010	11/08/2006 0905
680-21768-15	NPREC-11-0.5-3.0	Solid	11/07/2006 1015	11/08/2006 0905

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.0-0.5

Lab Sample ID: 680-21768-2

Date Sampled: 11/07/2006 0910

Client Matrix: Solid

% Moisture: 8.8

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4348.d
Dilution:	1.0		Initial Weight/Volume: 30.06 g
Date Analyzed:	11/16/2006 1323	Run Type: RE	Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		360	U	360
4-Chloroaniline		720	U	720
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		360	U	360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline = o-Nitro		1900	U	1900
Dimethyl phthalate		360	U	360
Acenaphthylene		360	U	360
3-Nitroaniline = m		1900	U	1900
Acenaphthene		360	U	360
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		360	U	360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		360	U	360
4-Nitroaniline = p nitro		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.0-0.5

Lab Sample ID: 680-21768-2

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 11/07/2006 0910

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4348.d
Dilution:	1.0		Initial Weight/Volume: 30.06 g
Date Analyzed:	11/16/2006 1323	Run Type: RE	Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		360	U	360
Pentachlorophenol		1900	U	1900
Phenanthrene		360	U	360
Anthracene		360	U	360
Di-n-butyl phthalate		360	U	360
Fluoranthene		670		360
Pyrene		780		360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		720	U	720
Benzo[a]anthracene		360	U	360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		620		360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		390		360
Benzo[k]fluoranthene		360	U	360
Benzo[a]pyrene		400		360
Indeno[1,2,3-cd]pyrene		360	U	360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		360	U	360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360

Surrogate	%Rec	Acceptance Limits
Phenol-d5	36	38 - 102
2-Fluorophenol	33	36 - 101
2,4,6-Tribromophenol	2	27 - 124
Nitrobenzene-d5	31	33 - 94
2-Fluorobiphenyl	50	38 - 104
Terphenyl-d14	47	40 - 129

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4362.d
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	11/16/2006 1605		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.0-0.5

Lab Sample ID: 680-21768-2

Date Sampled: 11/07/2006 0910

Client Matrix: Solid

% Moisture: 8.8

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4362.d
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	11/16/2006 1605		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		360	U	360
4-Chloroaniline		720	U	720
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		360	U	360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		360	U	360
Acenaphthylene		360	U	360
3-Nitroaniline		1900	U	1900
Acenaphthene		360	U	360
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		360	U	360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		360	U	360
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360
Hexachlorobenzene		360	U	360
Pentachlorophenol		1900	U	1900
Phenanthrene		440		360
Anthracene		360	U	360
Di-n-butyl phthalate		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.0-0.5

Lab Sample ID: 680-21768-2

Client Matrix: Solid

% Moisture: 8.8

Date Sampled: 11/07/2006 0910

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4362.d
Dilution:	1.0		Initial Weight/Volume: 30.14 g
Date Analyzed:	11/16/2006 1605		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Fluoranthene		2000		360
Pyrene		2300		360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		720	U	720
Benzo[a]anthracene		830		360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		1800		360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		930		360
Benzo[k]fluoranthene		640		360
Benzo[a]pyrene		470		360
Indeno[1,2,3-cd]pyrene		540		360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		730		360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360
Surrogate		%Rec		Acceptance Limits
Phenol-d5		66		38 - 102
2-Fluorophenol		60		36 - 101
2,4,6-Tribromophenol		1	X	27 - 124
Nitrobenzene-d5		57		33 - 94
2-Fluorobiphenyl		85		38 - 104
Terphenyl-d14		80		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.5-3.0

Lab Sample ID: 680-21768-3

Date Sampled: 11/07/2006 0915

Client Matrix: Solid

% Moisture: 4.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4304.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/13/2006 1242		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		340	U	340
Bis(2-chloroethyl)ether		340	U	340
2-Chlorophenol		340	U	340
1,3-Dichlorobenzene		340	U	340
1,4-Dichlorobenzene		340	U	340
1,2-Dichlorobenzene		340	U	340
2-Methylphenol		340	U	340
N-Nitrosodi-n-propylamine		340	U	340
Hexachloroethane		340	U	340
Nitrobenzene		340	U	340
Isophorone		340	U	340
2-Nitrophenol		340	U	340
2,4-Dimethylphenol		340	U	340
Bis(2-chloroethoxy)methane		340	U	340
2,4-Dichlorophenol		340	U	340
1,2,4-Trichlorobenzene		340	U	340
Naphthalene		340	U	340
4-Chloroaniline		690	U	690
Hexachlorobutadiene		340	U	340
4-Chloro-3-methylphenol		340	U	340
2-Methylnaphthalene		340	U	340
Hexachlorocyclopentadiene		340	U	340
2,4,6-Trichlorophenol		340	U	340
2,4,5-Trichlorophenol		340	U	340
2-Chloronaphthalene		340	U	340
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		340	U	340
Acenaphthylene		340	U	340
3-Nitroaniline		1800	U	1800
Acenaphthene		340	U	340
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		340	U	340
2,4-Dinitrotoluene		340	U	340
2,6-Dinitrotoluene		340	U	340
3 & 4 Methylphenol		340	U	340
Diethyl phthalate		340	U	340
4-Chlorophenyl phenyl ether		340	U	340
Fluorene		340	U	340
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		340	U	340
4-Bromophenyl phenyl ether		340	U	340

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.5-3.0

Lab Sample ID: 680-21768-3

Client Matrix: Solid

% Moisture: 4.0

Date Sampled: 11/07/2006 0915

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4304.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/13/2006 1242		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		340	U	340
Pentachlorophenol		1800	U	1800
Phenanthrene		340	U	340
Anthracene		340	U	340
Di-n-butyl phthalate		340	U	340
Fluoranthene		340	U	340
Pyrene		340	U	340
Butyl benzyl phthalate		340	U	340
3,3'-Dichlorobenzidine		690	U	690
Benzo[a]anthracene		340	U	340
Bis(2-ethylhexyl) phthalate		340	U	340
Chrysene		340	U	340
Di-n-octyl phthalate		340	U	340
Benzo[b]fluoranthene		340	U	340
Benzo[k]fluoranthene		340	U	340
Benzo[a]pyrene		340	U	340
Indeno[1,2,3-cd]pyrene		340	U	340
Dibenz(a,h)anthracene		340	U	340
Benzo[g,h,i]perylene		340	U	340
Carbazole		340	U	340
bis(chloroisopropyl) ether		340	U	340

Surrogate	%Rec	Acceptance Limits
Phenol-d5	49	38 - 102
2-Fluorophenol	28	36 - 101
2,4,6-Tribromophenol	7	27 - 124
Nitrobenzene-d5	53	33 - 94
2-Fluorobiphenyl	63	38 - 104
Terphenyl-d14	70	40 - 129

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4349.d
Dilution:	1.0		Initial Weight/Volume: 30.18 g
Date Analyzed:	11/16/2006 1346	Run Type: RE	Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		340	U	340
Bis(2-chloroethyl)ether		340	U	340
2-Chlorophenol		340	U	340
1,3-Dichlorobenzene		340	U	340
1,4-Dichlorobenzene		340	U	340

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.5-3.0

Lab Sample ID: 680-21768-3

Date Sampled: 11/07/2006 0915

Client Matrix: Solid

% Moisture: 4.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4349.d
Dilution:	1.0		Initial Weight/Volume: 30.18 g
Date Analyzed:	11/16/2006 1346	Run Type: RE	Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
1,2-Dichlorobenzene		340	U	340
2-Methylphenol		340	U	340
N-Nitrosodi-n-propylamine		340	U	340
Hexachloroethane		340	U	340
Nitrobenzene		340	U	340
Isophorone		340	U	340
2-Nitrophenol		340	U	340
2,4-Dimethylphenol		340	U	340
Bis(2-chloroethoxy)methane		340	U	340
2,4-Dichlorophenol		340	U	340
1,2,4-Trichlorobenzene		340	U	340
Naphthalene		340	U	340
4-Chloroaniline		680	U	680
Hexachlorobutadiene		340	U	340
4-Chloro-3-methylphenol		340	U	340
2-Methylnaphthalene		340	U	340
Hexachlorocyclopentadiene		340	U	340
2,4,6-Trichlorophenol		340	U	340
2,4,5-Trichlorophenol		340	U	340
2-Chloronaphthalene		340	U	340
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		340	U	340
Acenaphthylene		340	U	340
3-Nitroaniline		1800	U	1800
Acenaphthene		340	U	340
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		340	U	340
2,4-Dinitrotoluene		340	U	340
2,6-Dinitrotoluene		340	U	340
3 & 4 Methylphenol		340	U	340
Diethyl phthalate		340	U	340
4-Chlorophenyl phenyl ether		340	U	340
Fluorene		340	U	340
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		340	U	340
4-Bromophenyl phenyl ether		340	U	340
Hexachlorobenzene		340	U	340
Pentachlorophenol		1800	U	1800
Phenanthrene		340	U	340
Anthracene		340	U	340
Di-n-butyl phthalate		340	U	340

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-5-0.5-3.0

Lab Sample ID: 680-21768-3

Date Sampled: 11/07/2006 0915

Client Matrix: Solid

% Moisture: 4.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4349.d
Dilution:	1.0		Initial Weight/Volume: 30.18 g
Date Analyzed:	11/16/2006 1346	Run Type: RE	Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Fluoranthene		340	U	340
Pyrene		340	U	340
Butyl benzyl phthalate		340	U	340
3,3'-Dichlorobenzidine		680	U	680
Benzo[a]anthracene		340	U	340
Bis(2-ethylhexyl) phthalate		340	U	340
Chrysene		340	U	340
Di-n-octyl phthalate		340	U	340
Benzo[b]fluoranthene		340	U	340
Benzo[k]fluoranthene		340	U	340
Benzo[a]pyrene		340	U	340
Indeno[1,2,3-cd]pyrene		340	U	340
Dibenz(a,h)anthracene		340	U	340
Benzo[g,h,i]perylene		340	U	340
Carbazole		340	U	340
bis(chloroisopropyl) ether		340	U	340
Surrogate	%Rec			Acceptance Limits
Phenol-d5	37		X	38 - 102
2-Fluorophenol	12		X	36 - 101
2,4,6-Tribromophenol	4		X	27 - 124
Nitrobenzene-d5	40			33 - 94
2-Fluorobiphenyl	50			38 - 104
Terphenyl-d14	61			40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-6-0-0-0.5

Lab Sample ID: 680-21768-4

Date Sampled: 11/07/2006 0920

Client Matrix: Solid

% Moisture: 14.2

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4305.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/13/2006 1305		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		380	U	380
Bis(2-chloroethyl)ether		380	U	380
2-Chlorophenol		380	U	380
1,3-Dichlorobenzene		380	U	380
1,4-Dichlorobenzene		380	U	380
1,2-Dichlorobenzene		380	U	380
2-Methylphenol		380	U	380
N-Nitrosodi-n-propylamine		380	U	380
Hexachloroethane		380	U	380
Nitrobenzene		380	U	380
Isophorone		380	U	380
2-Nitrophenol		380	U	380
2,4-Dimethylphenol		380	U	380
Bis(2-chloroethoxy)methane		380	U	380
2,4-Dichlorophenol		380	U	380
1,2,4-Trichlorobenzene		380	U	380
Naphthalene		380	U	380
4-Chloroaniline		770	U	770
Hexachlorobutadiene		380	U	380
4-Chloro-3-methylphenol		380	U	380
2-Methylnaphthalene		380	U	380
Hexachlorocyclopentadiene		380	U	380
2,4,6-Trichlorophenol		380	U	380
2,4,5-Trichlorophenol		380	U	380
2-Chloronaphthalene		380	U	380
2-Nitroaniline		2000	U	2000
Dimethyl phthalate		380	U	380
Acenaphthylene		380	U	380
3-Nitroaniline		2000	U	2000
Acenaphthene		380	U	380
2,4-Dinitrophenol		2000	U	2000
4-Nitrophenol		2000	U	2000
Dibenzofuran		380	U	380
2,4-Dinitrotoluene		380	U	380
2,6-Dinitrotoluene		380	U	380
3 & 4 Methylphenol		380	U	380
Diethyl phthalate		380	U	380
4-Chlorophenyl phenyl ether		380	U	380
Fluorene		380	U	380
4-Nitroaniline		2000	U	2000
4,6-Dinitro-2-methylphenol		2000	U	2000
N-Nitrosodiphenylamine		380	U	380
4-Bromophenyl phenyl ether		380	U	380

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-6-0.0-0.5

Lab Sample ID: 680-21768-4

Date Sampled: 11/07/2006 0920

Client Matrix: Solid

% Moisture: 14.2

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4305.d
Dilution:	1.0		Initial Weight/Volume: 30.04 g
Date Analyzed:	11/13/2006 1305		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		380	U	380
Pentachlorophenol		2000	U	2000
Phenanthrene		380	U	380
Anthracene		380	U	380
Di-n-butyl phthalate		380	U	380
Fluoranthene		380	U	380
Pyrene		380	U	380
Butyl benzyl phthalate		380	U	380
3,3'-Dichlorobenzidine		770	U	770
Benzo[a]anthracene		380	U	380
Bis(2-ethylhexyl) phthalate		380	U	380
Chrysene		380	U	380
Di-n-octyl phthalate		380	U	380
Benzo[b]fluoranthene		380	U	380
Benzo[k]fluoranthene		380	U	380
Benzo[a]pyrene		380	U	380
Indeno[1,2,3-cd]pyrene		380	U	380
Dibenz(a,h)anthracene		380	U	380
Benzo[g,h,i]perylene		380	U	380
Carbazole		380	U	380
bis(chloroisopropyl) ether		380	U	380
Surrogate	%Rec	Acceptance Limits		
Phenol-d5	48	38 - 102		
2-Fluorophenol	46	36 - 101		
2,4,6-Tribromophenol	51	27 - 124		
Nitrobenzene-d5	49	33 - 94		
2-Fluorobiphenyl	59	38 - 104		
Terphenyl-d14	64	40 - 129		

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-6-0.5-3.0

Lab Sample ID: 680-21768-5

Date Sampled: 11/07/2006 0925

Client Matrix: Solid

% Moisture: 6.4

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-60022	Instrument ID:	GC/MS SemiVolatiles - G
Preparation:	3550B	Prep Batch:	680-59627	Lab File ID:	g7089.d
Dilution:	1.0			Initial Weight/Volume:	30.00 g
Date Analyzed:	11/15/2006 1232			Final Weight/Volume:	1.0 mL
Date Prepared:	11/10/2006 0538			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		350	U	350
Bis(2-chloroethyl)ether		350	U	350
2-Chlorophenol		350	U	350
1,3-Dichlorobenzene		350	U	350
1,4-Dichlorobenzene		350	U	350
1,2-Dichlorobenzene		350	U	350
2-Methylphenol		350	U	350
N-Nitrosodi-n-propylamine		350	U	350
Hexachloroethane		350	U	350
Nitrobenzene		350	U	350
Isophorone		350	U	350
2-Nitrophenol		350	U	350
2,4-Dimethylphenol		350	U	350
Bis(2-chloroethoxy)methane		350	U	350
2,4-Dichlorophenol		350	U	350
1,2,4-Trichlorobenzene		350	U	350
Naphthalene		350	U	350
4-Chloroaniline		710	U	710
Hexachlorobutadiene		350	U	350
4-Chloro-3-methylphenol		350	U	350
2-Methylnaphthalene		350	U	350
Hexachlorocyclopentadiene		350	U	350
2,4,6-Trichlorophenol		350	U	350
2,4,5-Trichlorophenol		350	U	350
2-Chloronaphthalene		350	U	350
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		350	U	350
Acenaphthylene		350	U	350
3-Nitroaniline		1800	U	1800
Acenaphthene		350	U	350
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		350	U	350
2,4-Dinitrotoluene		350	U	350
2,6-Dinitrotoluene		350	U	350
3 & 4 Methylphenol		350	U	350
Diethyl phthalate		350	U	350
4-Chlorophenyl phenyl ether		350	U	350
Fluorene		350	U	350
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		350	U	350
4-Bromophenyl phenyl ether		350	U	350

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-6-0.5-3.0

Lab Sample ID: 680-21768-5

Date Sampled: 11/07/2006 0925

Client Matrix: Solid

% Moisture: 6.4

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60022	Instrument ID: GC/MS SemiVolatiles - G
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: g7089.d
Dilution:	1.0		Initial Weight/Volume: 30.00 g
Date Analyzed:	11/15/2006 1232		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		350	U	350
Pentachlorophenol		1800	U	1800
Phenanthrene		360		350
Anthracene		350	U	350
Di-n-butyl phthalate		350	U	350
Fluoranthene		350	U	350
Pyrene		350	U	350
Butyl benzyl phthalate		350	U	350
3,3'-Dichlorobenzidine		710	U	710
Benzo[a]anthracene		350	U	350
Bis(2-ethylhexyl) phthalate		350	U	350
Chrysene		350	U	350
Di-n-octyl phthalate		350	U	350
Benzo[b]fluoranthene		350	U	350
Benzo[k]fluoranthene		350	U	350
Benzo[a]pyrene		350	U	350
Indeno[1,2,3-cd]pyrene		350	U	350
Dibenz(a,h)anthracene		350	U	350
Benzo[g,h,i]perylene		350	U	350
Carbazole		350	U	350
bis(chloroisopropyl) ether		350	U	350
Surrogate		%Rec		Acceptance Limits
Phenol-d5		75		38 - 102
2-Fluorophenol		66		36 - 101
2,4,6-Tribromophenol		42		27 - 124
Nitrobenzene-d5		62		33 - 94
2-Fluorobiphenyl		64		38 - 104
Terphenyl-d14		62		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-7-0.0-0.5

Lab Sample ID: 680-21768-6

Date Sampled: 11/07/2006 0930

Client Matrix: Solid

% Moisture: 7.7

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4307.d
Dilution:	5.0		Initial Weight/Volume: 30.01 g
Date Analyzed:	11/13/2006 1351		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		1800	U	1800
Bis(2-chloroethyl)ether		1800	U	1800
2-Chlorophenol		1800	U	1800
1,3-Dichlorobenzene		1800	U	1800
1,4-Dichlorobenzene		1800	U	1800
1,2-Dichlorobenzene		1800	U	1800
2-Methylphenol		1800	U	1800
N-Nitrosodi-n-propylamine		1800	U	1800
Hexachloroethane		1800	U	1800
Nitrobenzene		1800	U	1800
Isophorone		1800	U	1800
2-Nitrophenol		1800	U	1800
2,4-Dimethylphenol		1800	U	1800
Bis(2-chloroethoxy)methane		1800	U	1800
2,4-Dichlorophenol		1800	U	1800
1,2,4-Trichlorobenzene		1800	U	1800
Naphthalene		1800	U	1800
4-Chloroaniline		3600	U	3600
Hexachlorobutadiene		1800	U	1800
4-Chloro-3-methylphenol		1800	U	1800
2-Methylnaphthalene		1800	U	1800
Hexachlorocyclopentadiene		1800	U	1800
2,4,6-Trichlorophenol		1800	U	1800
2,4,5-Trichlorophenol		1800	U	1800
2-Chloronaphthalene		1800	U	1800
2-Nitroaniline		9200	U	9200
Dimethyl phthalate		1800	U	1800
Acenaphthylene		1800	U	1800
3-Nitroaniline		9200	U	9200
Acenaphthene		1800	U	1800
2,4-Dinitrophenol		9200	U	9200
4-Nitrophenol		9200	U	9200
Dibenzofuran		1800	U	1800
2,4-Dinitrotoluene		1800	U	1800
2,6-Dinitrotoluene		1800	U	1800
3 & 4 Methylphenol		1800	U	1800
Diethyl phthalate		1800	U	1800
4-Chlorophenyl phenyl ether		1800	U	1800
Fluorene		1800	U	1800
4-Nitroaniline		9200	U	9200
4,6-Dinitro-2-methylphenol		9200	U	9200
N-Nitrosodiphenylamine		1800	U	1800
4-Bromophenyl phenyl ether		1800	U	1800

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-7-0.0-0.5

Lab Sample ID: 680-21768-6

Date Sampled: 11/07/2006 0930

Client Matrix: Solid

% Moisture: 7.7

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4307.d
Dilution:	5.0		Initial Weight/Volume: 30.01 g
Date Analyzed:	11/13/2006 1351		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		1800	U	1800
Pentachlorophenol		9200	U	9200
Phenanthrene		1800	U	1800
Anthracene		1800	U	1800
Di-n-butyl phthalate		1800	U	1800
Fluoranthene		1800	U	1800
Pyrene		1800	U	1800
Butyl benzyl phthalate		1800	U	1800
3,3'-Dichlorobenzidine		3600	U	3600
Benzo[a]anthracene		1800	U	1800
Bis(2-ethylhexyl) phthalate		1800	U	1800
Chrysene		1800	U	1800
Di-n-octyl phthalate		1800	U	1800
Benzo[b]fluoranthene		1800	U	1800
Benzo[k]fluoranthene		1800	U	1800
Benzo[a]pyrene		1800	U	1800
Indeno[1,2,3-cd]pyrene		1800	U	1800
Dibenz(a,h)anthracene		1800	U	1800
Benzo[g,h,i]perylene		1800	U	1800
Carbazole		1800	U	1800
bis(chloroisopropyl) ether		1800	U	1800
Surrogate	%Rec	Acceptance Limits		
Phenol-d5	50	38 - 102		
2-Fluorophenol	50	36 - 101		
2,4,6-Tribromophenol	35	27 - 124		
Nitrobenzene-d5	51	33 - 94		
2-Fluorobiphenyl	64	38 - 104		
Terphenyl-d14	65	40 - 129		

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-7-0.5-3.0

Lab Sample ID: 680-21768-7

Date Sampled: 11/07/2006 0935

Client Matrix: Solid

% Moisture: 8.3

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4308.d
Dilution:	1.0		Initial Weight/Volume: 30.19 g
Date Analyzed:	11/13/2006 1414		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		360	U	360
4-Chloroaniline		710	U	710
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		360	U	360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline		1800	U	1800
Dimethyl phthalate		360	U	360
Acenaphthylene		360	U	360
3-Nitroaniline		1800	U	1800
Acenaphthene		360	U	360
2,4-Dinitrophenol		1800	U	1800
4-Nitrophenol		1800	U	1800
Dibenzofuran		360	U	360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		360	U	360
4-Nitroaniline		1800	U	1800
4,6-Dinitro-2-methylphenol		1800	U	1800
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-7-0.5-3.0

Lab Sample ID: 680-21768-7

Date Sampled: 11/07/2006 0935

Client Matrix: Solid

% Moisture: 8.3

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4308.d
Dilution:	1.0		Initial Weight/Volume: 30.19 g
Date Analyzed:	11/13/2006 1414		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		360	U	360
Pentachlorophenol		1800	U	1800
Phenanthrene		360	U	360
Anthracene		360	U	360
Di-n-butyl phthalate		360	U	360
Fluoranthene		360	U	360
Pyrene		360	U	360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		710	U	710
Benzo[a]anthracene		360	U	360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		360	U	360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		360	U	360
Benzo[k]fluoranthene		360	U	360
Benzo[a]pyrene		360	U	360
Indeno[1,2,3-cd]pyrene		360	U	360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		360	U	360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360
Surrogate	%Rec	Acceptance Limits		
Phenol-d5	47	38 - 102		
2-Fluorophenol	45	36 - 101		
2,4,6-Tribromophenol	52	27 - 124		
Nitrobenzene-d5	47	33 - 94		
2-Fluorobiphenyl	61	38 - 104		
Terphenyl-d14	63	40 - 129		

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-8-0.0-0.5

Lab Sample ID: 680-21768-8

Date Sampled: 11/07/2006 0940

Client Matrix: Solid

% Moisture: 9.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4309.d
Dilution:	5.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	11/13/2006 1438		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		1800	U	1800
Bis(2-chloroethyl)ether		1800	U	1800
2-Chlorophenol		1800	U	1800
1,3-Dichlorobenzene		1800	U	1800
1,4-Dichlorobenzene		1800	U	1800
1,2-Dichlorobenzene		1800	U	1800
2-Methylphenol		1800	U	1800
N-Nitrosodi-n-propylamine		1800	U	1800
Hexachloroethane		1800	U	1800
Nitrobenzene		1800	U	1800
Isophorone		1800	U	1800
2-Nitrophenol		1800	U	1800
2,4-Dimethylphenol		1800	U	1800
Bis(2-chloroethoxy)methane		1800	U	1800
2,4-Dichlorophenol		1800	U	1800
1,2,4-Trichlorobenzene		1800	U	1800
Naphthalene		1800	U	1800
4-Chloroaniline		3600	U	3600
Hexachlorobutadiene		1800	U	1800
4-Chloro-3-methylphenol		1800	U	1800
2-Methylnaphthalene		1800	U	1800
Hexachlorocyclopentadiene		1800	U	1800
2,4,6-Trichlorophenol		1800	U	1800
2,4,5-Trichlorophenol		1800	U	1800
2-Chloronaphthalene		1800	U	1800
2-Nitroaniline		9300	U	9300
Dimethyl phthalate		1800	U	1800
Acenaphthylene		1800	U	1800
3-Nitroaniline		9300	U	9300
Acenaphthene		1800	U	1800
2,4-Dinitrophenol		9300	U	9300
4-Nitrophenol		9300	U	9300
Dibenzofuran		1800	U	1800
2,4-Dinitrotoluene		1800	U	1800
2,6-Dinitrotoluene		1800	U	1800
3 & 4 Methylphenol		1800	U	1800
Diethyl phthalate		1800	U	1800
4-Chlorophenyl phenyl ether		1800	U	1800
Fluorene		1800	U	1800
4-Nitroaniline		9300	U	9300
4,6-Dinitro-2-methylphenol		9300	U	9300
N-Nitrosodiphenylamine		1800	U	1800
4-Bromophenyl phenyl ether		1800	U	1800

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-8-0.0-0.5

Lab Sample ID: 680-21768-8

Client Matrix: Solid

% Moisture: 9.0

Date Sampled: 11/07/2006 0940

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-59941	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-59627	Lab File ID: e4309.d
Dilution:	5.0		Initial Weight/Volume: 30.13 g
Date Analyzed:	11/13/2006 1438		Final Weight/Volume: 1.0 mL
Date Prepared:	11/10/2006 0538		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		1800	U	1800
Pentachlorophenol		9300	U	9300
Phenanthrene		1800	U	1800
Anthracene		1800	U	1800
Di-n-butyl phthalate		1800	U	1800
Fluoranthene		1800	U	1800
Pyrene		1800	U	1800
Butyl benzyl phthalate		1800	U	1800
3,3'-Dichlorobenzidine		3600	U	3600
Benzo[a]anthracene		1800	U	1800
Bis(2-ethylhexyl) phthalate		1800	U	1800
Chrysene		1800	U	1800
Di-n-octyl phthalate		1800	U	1800
Benzo[b]fluoranthene		1800	U	1800
Benzo[k]fluoranthene		1800	U	1800
Benzo[a]pyrene		1800	U	1800
Indeno[1,2,3-cd]pyrene		1800	U	1800
Dibenz(a,h)anthracene		1800	U	1800
Benzo[g,h,i]perylene		1800	U	1800
Carbazole		1800	U	1800
bis(chloroisopropyl) ether		1800	U	1800
Surrogate		%Rec		Acceptance Limits
Phenol-d5		40		38 - 102
2-Fluorophenol		41		36 - 101
2,4,6-Tribromophenol		29		27 - 124
Nitrobenzene-d5		37		33 - 94
2-Fluorobiphenyl		55		38 - 104
Terphenyl-d14		59		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-8-0.5-3.0

Lab Sample ID: 680-21768-9

Date Sampled: 11/07/2006 0945

Client Matrix: Solid

% Moisture: 9.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch:	680-60201	Instrument ID:	GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch:	680-60085	Lab File ID:	e4350.d
Dilution:	1.0			Initial Weight/Volume:	30.07 g
Date Analyzed:	11/16/2006 1409			Final Weight/Volume:	1.0 mL
Date Prepared:	11/15/2006 1600			Injection Volume:	

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Phenol		360	U	360
Bis(2-chloroethyl)ether		360	U	360
2-Chlorophenol		360	U	360
1,3-Dichlorobenzene		360	U	360
1,4-Dichlorobenzene		360	U	360
1,2-Dichlorobenzene		360	U	360
2-Methylphenol		360	U	360
N-Nitrosodi-n-propylamine		360	U	360
Hexachloroethane		360	U	360
Nitrobenzene		360	U	360
Isophorone		360	U	360
2-Nitrophenol		360	U	360
2,4-Dimethylphenol		360	U	360
Bis(2-chloroethoxy)methane		360	U	360
2,4-Dichlorophenol		360	U	360
1,2,4-Trichlorobenzene		360	U	360
Naphthalene		360	U	360
4-Chloroaniline		720	U	720
Hexachlorobutadiene		360	U	360
4-Chloro-3-methylphenol		360	U	360
2-Methylnaphthalene		360	U	360
Hexachlorocyclopentadiene		360	U	360
2,4,6-Trichlorophenol		360	U	360
2,4,5-Trichlorophenol		360	U	360
2-Chloronaphthalene		360	U	360
2-Nitroaniline		1900	U	1900
Dimethyl phthalate		360	U	360
Acenaphthylene		360	U	360
3-Nitroaniline		1900	U	1900
Acenaphthene		360	U	360
2,4-Dinitrophenol		1900	U	1900
4-Nitrophenol		1900	U	1900
Dibenzofuran		360	U	360
2,4-Dinitrotoluene		360	U	360
2,6-Dinitrotoluene		360	U	360
3 & 4 Methylphenol		360	U	360
Diethyl phthalate		360	U	360
4-Chlorophenyl phenyl ether		360	U	360
Fluorene		360	U	360
4-Nitroaniline		1900	U	1900
4,6-Dinitro-2-methylphenol		1900	U	1900
N-Nitrosodiphenylamine		360	U	360
4-Bromophenyl phenyl ether		360	U	360

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-8-0.5-3.0

Lab Sample ID: 680-21768-9

Date Sampled: 11/07/2006 0945

Client Matrix: Solid

% Moisture: 9.0

Date Received: 11/08/2006 0905

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method:	8270C	Analysis Batch: 680-60201	Instrument ID: GC/MS SemiVolatiles - E
Preparation:	3550B	Prep Batch: 680-60085	Lab File ID: e4350.d
Dilution:	1.0		Initial Weight/Volume: 30.07 g
Date Analyzed:	11/16/2006 1409		Final Weight/Volume: 1.0 mL
Date Prepared:	11/15/2006 1600		Injection Volume:

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Hexachlorobenzene		360	U	360
Pentachlorophenol		1900	U	1900
Phenanthrene		360	U	360
Anthracene		360	U	360
Di-n-butyl phthalate		360	U	360
Fluoranthene		360	U	360
Pyrene		360	U	360
Butyl benzyl phthalate		360	U	360
3,3'-Dichlorobenzidine		720	U	720
Benzo[a]anthracene		360	U	360
Bis(2-ethylhexyl) phthalate		360	U	360
Chrysene		360	U	360
Di-n-octyl phthalate		360	U	360
Benzo[b]fluoranthene		360	U	360
Benzo[k]fluoranthene		360	U	360
Benzo[a]pyrene		360	U	360
Indeno[1,2,3-cd]pyrene		360	U	360
Dibenz(a,h)anthracene		360	U	360
Benzo[g,h,i]perylene		360	U	360
Carbazole		360	U	360
bis(chloroisopropyl) ether		360	U	360
Surrogate		%Rec		Acceptance Limits
Phenol-d5		49		38 - 102
2-Fluorophenol		50		36 - 101
2,4,6-Tribromophenol		33		27 - 124
Nitrobenzene-d5		47		33 - 94
2-Fluorobiphenyl		59		38 - 104
Terphenyl-d14		61		40 - 129

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Client Sample ID: NPREC-4-6.5-7.5

Lab Sample ID: 680-21768-1
Client Matrix: Solid

Date Sampled: 11/07/2006 0825
Date Received: 11/08/2006 0905

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-59915	Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-59651	Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 680-59494	Initial Weight/Volume:	5 mL
Date Analyzed:	11/13/2006 1743		Final Weight/Volume:	50 mL
Date Prepared:	11/10/2006 0700			
Date Leached:	11/08/2006 1758			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Lead		0.20	U	0.20

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

General Chemistry

Client Sample ID: NPREC-5-0.0-0.5

Lab Sample ID: 680-21768-2
Client Matrix: Solid

Date Sampled: 11/07/2006 0910
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.8		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	91		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Client Sample ID: NPREC-5-0.5-3.0

Lab Sample ID: 680-21768-3
Client Matrix: Solid

Date Sampled: 11/07/2006 0915
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	4.0		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	96		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Client Sample ID: NPREC-6-0.0-0.5

Lab Sample ID: 680-21768-4
Client Matrix: Solid

Date Sampled: 11/07/2006 0920
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	14		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	86		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

General Chemistry

Client Sample ID: NPREC-6-0.5-3.0

Lab Sample ID: 680-21768-5
Client Matrix: Solid

Date Sampled: 11/07/2006 0925
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	6.4		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	94		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Client Sample ID: NPREC-7-0.0-0.5

Lab Sample ID: 680-21768-6
Client Matrix: Solid

Date Sampled: 11/07/2006 0930
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	7.7		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	92		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Client Sample ID: NPREC-7-0.5-3.0

Lab Sample ID: 680-21768-7
Client Matrix: Solid

Date Sampled: 11/07/2006 0935
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.3		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	92		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Analytical Data

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

General Chemistry

Client Sample ID: NPREC-8-0.0-0.5

Lab Sample ID: 680-21768-8
Client Matrix: Solid

Date Sampled: 11/07/2006 0940
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	9.0		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	91		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

Client Sample ID: NPREC-8-0.5-3.0

Lab Sample ID: 680-21768-9
Client Matrix: Solid

Date Sampled: 11/07/2006 0945
Date Received: 11/08/2006 0905

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	9.0		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			
Percent Solids	91		%	1.0	1.0	PercentMoisture
	Anly Batch: 680-59576	Date Analyzed	11/09/2006 1326			

DATA REPORTING QUALIFIERS

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates the analyte was analyzed for but not detected.
	X	Surrogate exceeds the control limits
Metals	U	Indicates the analyte was analyzed for but not detected.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(2FP) (%Rec)</u>	<u>(FBP) (%Rec)</u>	<u>(NBZ) (%Rec)</u>	<u>(PHL) (%Rec)</u>	<u>(TBP) (%Rec)</u>	<u>(TPH) (%Rec)</u>
LCS 680-59627/16-AA		66	77	62	66	68	79
LCS 680-60085/5-AA		49	62	50	53	60	70
MB 680-59627/15-AA		88	98	81	85	69	105
MB 680-60085/4-AA		53	58	43	51	48	75
680-21768-2RE	NPREC-5-0.0-0.5	33 X	50	31 X	36 X	2 X	47
	NPREC-5-0.0-0.5	60	85	57	66	1 X	80
680-21768-3	NPREC-5-0.5-3.0	28 X	63	53	49	7 X	70
680-21768-3RE	NPREC-5-0.5-3.0	12 X	50	40	37 X	4 X	61
680-21768-4	NPREC-6-0.0-0.5	46	59	49	48	51	64
680-21768-5	NPREC-6-0.5-3.0	66	64	62	75	42	62
680-21768-6	NPREC-7-0.0-0.5	50	64	51	50	35	65
680-21768-7	NPREC-7-0.5-3.0	45	61	47	47	52	63
680-21768-8	NPREC-8-0.0-0.5	41	55	37	40	29	59
680-21768-9	NPREC-8-0.5-3.0	50	59	47	49	33	61

<u>Surrogate</u>	<u>Acceptance Limits</u>
(2FP) 2-Fluorophenol	36 - 101
(FBP) 2-Fluorobiphenyl	38 - 104
(NBZ) Nitrobenzene-d5	33 - 94
(PHL) Phenol-d5	38 - 102
(TBP) 2,4,6-Tribromophenol	27 - 124
(TPH) Terphenyl-d14	40 - 129

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Method Blank - Batch: 680-59627

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-59627/15-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 0905
Date Prepared: 11/10/2006 0538

Analysis Batch: 680-60201
Prep Batch: 680-59627
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4337.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	330	U	330
Bis(2-chloroethyl)ether	330	U	330
2-Chlorophenol	330	U	330
1,3-Dichlorobenzene	330	U	330
1,4-Dichlorobenzene	330	U	330
1,2-Dichlorobenzene	330	U	330
2-Methylphenol	330	U	330
N-Nitrosodi-n-propylamine	330	U	330
Hexachloroethane	330	U	330
Nitrobenzene	330	U	330
Isophorone	330	U	330
2-Nitrophenol	330	U	330
2,4-Dimethylphenol	330	U	330
Bis(2-chloroethoxy)methane	330	U	330
2,4-Dichlorophenol	330	U	330
1,2,4-Trichlorobenzene	330	U	330
Naphthalene	330	U	330
4-Chloroaniline	660	U	660
Hexachlorobutadiene	330	U	330
4-Chloro-3-methylphenol	330	U	330
2-Methylnaphthalene	330	U	330
Hexachlorocyclopentadiene	330	U	330
2,4,6-Trichlorophenol	330	U	330
2,4,5-Trichlorophenol	330	U	330
2-Chloronaphthalene	330	U	330
2-Nitroaniline	1700	U	1700
Dimethyl phthalate	330	U	330
Acenaphthylene	330	U	330
3-Nitroaniline	1700	U	1700
Acenaphthene	330	U	330
2,4-Dinitrophenol	1700	U	1700
4-Nitrophenol	1700	U	1700
Dibenzofuran	330	U	330
2,4-Dinitrotoluene	330	U	330
2,6-Dinitrotoluene	330	U	330
3 & 4 Methylphenol	330	U	330
Diethyl phthalate	330	U	330
4-Chlorophenyl phenyl ether	330	U	330
Fluorene	330	U	330
4-Nitroaniline	1700	U	1700
4,6-Dinitro-2-methylphenol	1700	U	1700

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Method Blank - Batch: 680-59627

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-59627/15-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 0905
Date Prepared: 11/10/2006 0538

Analysis Batch: 680-60201
Prep Batch: 680-59627
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4337.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
N-Nitrosodiphenylamine	330	U	330
4-Bromophenyl phenyl ether	330	U	330
Hexachlorobenzene	330	U	330
Pentachlorophenol	1700	U	1700
Phenanthrene	330	U	330
Anthracene	330	U	330
Di-n-butyl phthalate	330	U	330
Fluoranthene	330	U	330
Pyrene	330	U	330
Butyl benzyl phthalate	330	U	330
3,3'-Dichlorobenzidine	660	U	660
Benzo[a]anthracene	330	U	330
Bis(2-ethylhexyl) phthalate	330	U	330
Chrysene	330	U	330
Di-n-octyl phthalate	330	U	330
Benzo[b]fluoranthene	330	U	330
Benzo[k]fluoranthene	330	U	330
Benzo[a]pyrene	330	U	330
Indeno[1,2,3-cd]pyrene	330	U	330
Dibenz(a,h)anthracene	330	U	330
Benzo[g,h,i]perylene	330	U	330
Carbazole	330	U	330
bis(chloroisopropyl) ether	330	U	330

Surrogate	% Rec	Acceptance Limits
Phenol-d5	85	38 - 102
2-Fluorophenol	88	36 - 101
2,4,6-Tribromophenol	69	27 - 124
Nitrobenzene-d5	81	33 - 94
2-Fluorobiphenyl	98	38 - 104
Terphenyl-d14	105	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Control Spike - Batch: 680-59627

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-59627/16-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 0929
Date Prepared: 11/10/2006 0538

Analysis Batch: 680-60201
Prep Batch: 680-59627
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4338.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	3330	2150	65	34 - 98	
Bis(2-chloroethyl)ether	3330	2050	62	30 - 98	
2-Chlorophenol	3330	2180	65	36 - 99	
1,3-Dichlorobenzene	3330	1890	57	34 - 90	
1,4-Dichlorobenzene	3330	2070	62	32 - 90	
1,2-Dichlorobenzene	3330	2110	63	35 - 93	
2-Methylphenol	3330	2120	64	38 - 107	
N-Nitrosodi-n-propylamine	3330	2110	63	24 - 108	
Hexachloroethane	3330	1960	59	31 - 88	
Nitrobenzene	3330	1950	59	33 - 106	
Isophorone	3330	2140	64	37 - 106	
2-Nitrophenol	3330	1850	56	38 - 104	
2,4-Dimethylphenol	3330	2220	67	40 - 112	
Bis(2-chloroethoxy)methane	3330	2170	65	38 - 106	
2,4-Dichlorophenol	3330	2100	63	43 - 108	
1,2,4-Trichlorobenzene	3330	2010	60	36 - 98	
Naphthalene	3330	2170	65	34 - 97	
4-Chloroaniline	3330	1890	57	7 - 103	
Hexachlorobutadiene	3330	2220	67	42 - 105	
4-Chloro-3-methylphenol	3330	2150	64	39 - 113	
2-Methylnaphthalene	3330	2070	62	39 - 104	
Hexachlorocyclopentadiene	3330	2060	62	20 - 109	
2,4,6-Trichlorophenol	3330	2110	63	44 - 113	
2,4,5-Trichlorophenol	3330	2370	71	46 - 116	
2-Chloronaphthalene	3330	2250	67	41 - 110	
2-Nitroaniline	3330	2260	68	38 - 124	
Dimethyl phthalate	3330	2340	70	43 - 114	
Acenaphthylene	3330	2410	72	41 - 112	
3-Nitroaniline	3330	1960	59	19 - 118	
Acenaphthene	3330	2220	67	36 - 108	
2,4-Dinitrophenol	3330	352	11	1 - 131	U
4-Nitrophenol	3330	1830	55	21 - 132	
Dibenzofuran	3330	2270	68	44 - 108	
2,4-Dinitrotoluene	3330	2250	68	32 - 128	
2,6-Dinitrotoluene	3330	2210	66	38 - 128	
3 & 4 Methylphenol	3330	2120	64	37 - 106	
Diethyl phthalate	3330	2360	71	41 - 118	
4-Chlorophenyl phenyl ether	3330	2220	67	42 - 111	
Fluorene	3330	2390	72	37 - 113	
4-Nitroaniline	3330	2070	62	32 - 130	
4,6-Dinitro-2-methylphenol	3330	1380	41	11 - 142	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Control Spike - Batch: 680-59627

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-59627/16-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 0929
Date Prepared: 11/10/2006 0538

Analysis Batch: 680-60201
Prep Batch: 680-59627
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4338.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	3330	2410	72	16 - 113	
4-Bromophenyl phenyl ether	3330	1950	59	38 - 106	
Hexachlorobenzene	3330	2260	68	46 - 115	
Pentachlorophenol	3330	1380	41	27 - 116	U
Phenanthrene	3330	2410	72	47 - 114	
Anthracene	3330	2500	75	46 - 115	
Di-n-butyl phthalate	3330	2330	70	35 - 93	
Fluoranthene	3330	2310	69	41 - 124	
Pyrene	3330	2490	75	36 - 128	
Butyl benzyl phthalate	3330	2590	78	43 - 127	
3,3'-Dichlorobenzidine	3330	1880	56	1 - 118	
Benzo[a]anthracene	3330	2560	77	46 - 116	
Bis(2-ethylhexyl) phthalate	3330	2660	80	25 - 134	
Chrysene	3330	2470	74	46 - 118	
Di-n-octyl phthalate	3330	2560	77	43 - 129	
Benzo[b]fluoranthene	3330	2750	82	35 - 122	
Benzo[k]fluoranthene	3330	2690	81	36 - 124	
Benzo[a]pyrene	3330	2800	84	37 - 120	
Indeno[1,2,3-cd]pyrene	3330	2470	74	36 - 133	
Dibenz(a,h)anthracene	3330	2750	82	41 - 124	
Benzo[g,h,i]perylene	3330	2670	80	41 - 122	
Carbazole	3330	2320	70	47 - 118	
bis(chloroisopropyl) ether	3330	2300	69	16 - 116	

Surrogate	% Rec	Acceptance Limits
Phenol-d5	66	38 - 102
2-Fluorophenol	66	36 - 101
2,4,6-Tribromophenol	68	27 - 124
Nitrobenzene-d5	62	33 - 94
2-Fluorobiphenyl	77	38 - 104
Terphenyl-d14	79	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Method Blank - Batch: 680-60085

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-60085/4-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 1541
Date Prepared: 11/15/2006 1600

Analysis Batch: 680-60201
Prep Batch: 680-60085
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4347a.d
Initial Weight/Volume: 30.15 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
Phenol	330	U	330
Bis(2-chloroethyl)ether	330	U	330
2-Chlorophenol	330	U	330
1,3-Dichlorobenzene	330	U	330
1,4-Dichlorobenzene	330	U	330
1,2-Dichlorobenzene	330	U	330
2-Methylphenol	330	U	330
N-Nitrosodi-n-propylamine	330	U	330
Hexachloroethane	330	U	330
Nitrobenzene	330	U	330
Isophorone	330	U	330
2-Nitrophenol	330	U	330
2,4-Dimethylphenol	330	U	330
Bis(2-chloroethoxy)methane	330	U	330
2,4-Dichlorophenol	330	U	330
1,2,4-Trichlorobenzene	330	U	330
Naphthalene	330	U	330
4-Chloroaniline	660	U	660
Hexachlorobutadiene	330	U	330
4-Chloro-3-methylphenol	330	U	330
2-Methylnaphthalene	330	U	330
Hexachlorocyclopentadiene	330	U	330
2,4,6-Trichlorophenol	330	U	330
2,4,5-Trichlorophenol	330	U	330
2-Chloronaphthalene	330	U	330
2-Nitroaniline	1700	U	1700
Dimethyl phthalate	330	U	330
Acenaphthylene	330	U	330
3-Nitroaniline	1700	U	1700
Acenaphthene	330	U	330
2,4-Dinitrophenol	1700	U	1700
4-Nitrophenol	1700	U	1700
Dibenzofuran	330	U	330
2,4-Dinitrotoluene	330	U	330
2,6-Dinitrotoluene	330	U	330
3 & 4 Methylphenol	330	U	330
Diethyl phthalate	330	U	330
4-Chlorophenyl phenyl ether	330	U	330
Fluorene	330	U	330
4-Nitroaniline	1700	U	1700
4,6-Dinitro-2-methylphenol	1700	U	1700

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Method Blank - Batch: 680-60085

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-60085/4-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 1541
Date Prepared: 11/15/2006 1600

Analysis Batch: 680-60201
Prep Batch: 680-60085
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4347a.d
Initial Weight/Volume: 30.15 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
N-Nitrosodiphenylamine	330	U	330
4-Bromophenyl phenyl ether	330	U	330
Hexachlorobenzene	330	U	330
Pentachlorophenol	1700	U	1700
Phenanthrene	330	U	330
Anthracene	330	U	330
Di-n-butyl phthalate	330	U	330
Fluoranthene	330	U	330
Pyrene	330	U	330
Butyl benzyl phthalate	330	U	330
3,3'-Dichlorobenzidine	660	U	660
Benzo[a]anthracene	330	U	330
Bis(2-ethylhexyl) phthalate	330	U	330
Chrysene	330	U	330
Di-n-octyl phthalate	330	U	330
Benzo[b]fluoranthene	330	U	330
Benzo[k]fluoranthene	330	U	330
Benzo[a]pyrene	330	U	330
Indeno[1,2,3-cd]pyrene	330	U	330
Dibenz(a,h)anthracene	330	U	330
Benzo[g,h,i]perylene	330	U	330
Carbazole	330	U	330
bis(chloroisopropyl) ether	330	U	330

Surrogate	% Rec	Acceptance Limits
Phenol-d5	51	38 - 102
2-Fluorophenol	53	36 - 101
2,4,6-Tribromophenol	48	27 - 124
Nitrobenzene-d5	43	33 - 94
2-Fluorobiphenyl	58	38 - 104
Terphenyl-d14	75	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Control Spike - Batch: 680-60085

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-60085/5-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 1714
Date Prepared: 11/15/2006 1600

Analysis Batch: 680-60201
Prep Batch: 680-60085
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4352.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual.
Phenol	3320	1770	53	34 - 98	
Bis(2-chloroethyl)ether	3320	1540	46	30 - 98	
2-Chlorophenol	3320	1740	52	36 - 99	
1,3-Dichlorobenzene	3320	1450	44	34 - 90	
1,4-Dichlorobenzene	3320	1600	48	32 - 90	
1,2-Dichlorobenzene	3320	1620	49	35 - 93	
2-Methylphenol	3320	1700	51	38 - 107	
N-Nitrosodi-n-propylamine	3320	1670	50	24 - 108	
Hexachloroethane	3320	1450	44	31 - 88	
Nitrobenzene	3320	1580	48	33 - 106	
Isophorone	3320	1750	53	37 - 106	
2-Nitrophenol	3320	1500	45	38 - 104	
2,4-Dimethylphenol	3320	1930	58	40 - 112	
Bis(2-chloroethoxy)methane	3320	1720	52	38 - 106	
2,4-Dichlorophenol	3320	1800	54	43 - 108	
1,2,4-Trichlorobenzene	3320	1590	48	36 - 98	
Naphthalene	3320	1770	53	34 - 97	
4-Chloroaniline	3320	1640	49	7 - 103	
Hexachlorobutadiene	3320	1730	52	42 - 105	
4-Chloro-3-methylphenol	3320	1910	57	39 - 113	
2-Methylnaphthalene	3320	1750	53	39 - 104	
Hexachlorocyclopentadiene	3320	1220	37	20 - 109	
2,4,6-Trichlorophenol	3320	1870	56	44 - 113	
2,4,5-Trichlorophenol	3320	1850	56	46 - 116	
2-Chloronaphthalene	3320	1930	58	41 - 110	
2-Nitroaniline	3320	2140	64	38 - 124	
Dimethyl phthalate	3320	2060	62	43 - 114	
Acenaphthylene	3320	2110	64	41 - 112	
3-Nitroaniline	3320	1790	54	19 - 118	
Acenaphthene	3320	1930	58	36 - 108	
2,4-Dinitrophenol	3320	530	16	1 - 131	U
4-Nitrophenol	3320	1680	51	21 - 132	U
Dibenzofuran	3320	2000	60	44 - 108	
2,4-Dinitrotoluene	3320	2040	61	32 - 128	
2,6-Dinitrotoluene	3320	2000	60	38 - 128	
3 & 4 Methylphenol	3320	1640	49	37 - 106	
Diethyl phthalate	3320	2070	62	41 - 118	
4-Chlorophenyl phenyl ether	3320	1940	58	42 - 111	
Fluorene	3320	2100	63	37 - 113	
4-Nitroaniline	3320	1920	58	32 - 130	
4,6-Dinitro-2-methylphenol	3320	1340	40	11 - 142	U

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Lab Control Spike - Batch: 680-60085

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-60085/5-AA
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/16/2006 1714
Date Prepared: 11/15/2006 1600

Analysis Batch: 680-60201
Prep Batch: 680-60085
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - E
Lab File ID: e4352.d
Initial Weight/Volume: 30.12 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
N-Nitrosodiphenylamine	3320	2160	65	16 - 113	
4-Bromophenyl phenyl ether	3320	1760	53	38 - 106	
Hexachlorobenzene	3320	2020	61	46 - 115	
Pentachlorophenol	3320	1330	40	27 - 116	U
Phenanthrene	3320	2190	66	47 - 114	
Anthracene	3320	2310	69	46 - 115	
Di-n-butyl phthalate	3320	2130	64	35 - 93	
Fluoranthene	3320	2110	64	41 - 124	
Pyrene	3320	2340	71	36 - 128	
Butyl benzyl phthalate	3320	2360	71	43 - 127	
3,3'-Dichlorobenzidine	3320	2020	61	1 - 118	
Benzo[a]anthracene	3320	2350	71	46 - 116	
Bis(2-ethylhexyl) phthalate	3320	2470	75	25 - 134	
Chrysene	3320	2240	67	46 - 118	
Di-n-octyl phthalate	3320	2470	74	43 - 129	
Benzo[b]fluoranthene	3320	2280	69	35 - 122	
Benzo[k]fluoranthene	3320	2530	76	36 - 124	
Benzo[a]pyrene	3320	2540	77	37 - 120	
Indeno[1,2,3-cd]pyrene	3320	2290	69	36 - 133	
Dibenz(a,h)anthracene	3320	2460	74	41 - 124	
Benzo[g,h,i]perylene	3320	2370	71	41 - 122	
Carbazole	3320	2200	66	47 - 118	
bis(chloroisopropyl) ether	3320	1840	56	16 - 116	

Surrogate	% Rec	Acceptance Limits
Phenol-d5	53	38 - 102
2-Fluorophenol	49	36 - 101
2,4,6-Tribromophenol	60	27 - 124
Nitrobenzene-d5	50	33 - 94
2-Fluorobiphenyl	62	38 - 104
Terphenyl-d14	70	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: ARCADIS G&M, Inc.

Job Number: 680-21768-1

Method Blank - Batch: 680-59651

Lab Sample ID: MB 680-59494/3-AB
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/13/2006 1734
 Date Prepared: 11/10/2006 0700
 Date Leached: 11/08/2006 1758

Analysis Batch: 680-59915
 Prep Batch: 680-59651
 Units: mg/L

Leachate Batch: 680-59494

Method: 6010B
Preparation: 3010A
TCLP

Instrument ID: ICP/AES
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Lead	0.20	U	0.20

Lab Control Spike - Batch: 680-59651

Lab Sample ID: LCS 680-59651/4-AA
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/13/2006 1738
 Date Prepared: 11/10/2006 0700

Analysis Batch: 680-59915
 Prep Batch: 680-59651
 Units: mg/L

Method: 6010B
Preparation: 3010A
TCLP

Instrument ID: ICP/AES
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	5.00	4.94	99	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

**SEVERN
TRENT**

STL

STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.stl-inc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

○ Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE <i>C# 664.18.5</i>	PROJECT NO. <i>C# 664.18.5</i>	PROJECT LOCATION (STATE) <i>IL</i>	MATRIX TYPE	REQUIRED ANALYSIS										PAGE <i>1</i>	OF <i>2</i>							
STL (LAB) PROJECT-MANAGER <i>Kathy Smith</i>	P.O. NUMBER	CONTRACT NO.	COMPOSITE (C) OR GRAB (G) INDICATE AQUEOUS (WATER) SOLID OR SEMISOLID AIR NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	TCCP Lead	SVOC 8270C	PCB	PCB	PCB	PCB	PCB	PCB	PCB	STANDARD REPORT DELIVERY <input type="radio"/>	DATE DUE _____								
CLIENT (SITE) PM <i>Michelle Gurgus</i>	CLIENT PHONE <i>(312) 425-4112</i>	CLIENT FAX <i>(312) 263-7897</i>																			EXPEDITED REPORT DELIVERY (SURCHARGE) <input type="radio"/>	DATE DUE _____
CLIENT NAME <i>WSN from AKCADLS</i>	CLIENT E-MAIL <i>mgurgus@arcadls-ws.com</i>	CLIENT ADDRESS <i>35 E. Walker Drive, Suite 1000, Chicago IL 60601</i>																			NUMBER OF COOLERS SUBMITTED PER SHIPMENT:	
COMPANY CONTRACTING THIS WORK (if applicable)																						

DATE	TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED										REMARKS			
								1	2	3	4	5	6	7	8	9	10		11	12	
11/7/06	825	NPREC-4-6.5-7.5 *	G	+				2													* For NPREC-4 to
11/7/06	910	NPREC-5-0.0-0.5 *	G	+					1												NPREC-8-0.5-3.0 -
11/7/06	915	NPREC-5-0.5-3.0 *	G	+					1												these nine samples
11/7/06	920	NPREC-6-0.0-0.5 *	G	+					1												have a turnaround
11/7/06	925	NPREC-6-0.5-3.0 *	G	+					1												Time (TAT) of 5 days
11/7/06	930	NPREC-7-0.0-0.5 *	G	+					1												
11/7/06	935	NPREC-7-0.5-3.0 *	G	+					1												
11/7/06	940	NPREC-8-0.0-0.5 *	G	+					1												For NPREC-9 to
11/7/06	945	NPREC-8-0.5-3.0 *	G	+					1												NPREC-11 -
11/7/06	950	NPREC-9-0.0-0.5 Δ	G	+					1												these six are
11/7/06	955	NPREC-9-0.5-3.0 Δ	G	+					1												contingent (hold.)
11/7/06	1000	NPREC-10-0.0-0.5 Δ	G	+					1												wrt. L. Michelle

RELINQUISHED BY: (SIGNATURE) <i>[Signature]</i>	DATE <i>11/7/06</i>	TIME <i>1400</i>	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY: (SIGNATURE) EMPTY CONTAINERS	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY <i>[Signature]</i>	DATE <i>11/20/06</i>	TIME <i>0900</i>	CUSTODY IN TAG YES <input type="radio"/> NO <input type="radio"/>	CUSTODY SEALING YES <input type="radio"/> NO <input type="radio"/>	STL SAVANNAH LOG NO. <i>680-01768</i>	LABORATORY REMARKS
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Appendix H

East Basin Horizontal
Delineation Soil Boring Logs

Boring Log: NPSB-1

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: C1000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		CL-ML	SILTY CLAY, some gravel, fine-medium angular, little sand fine-coarse, red-brown, dry
3							
6			█	0 0 0		CL-ML	SILTY CLAY, some gravel, fine-medium angular, little sand fine-coarse, red-brown, moist SAMPLE TAKEN (5.5-6.0)
				0		CL-ML	SILTY CLAY, some gravel, fine-medium angular, little sand fine-coarse, red-brown, wet
9				0 0		GP-SP CL-ML	Sandy GRAVEL, fine-coarse, angular, yellow, wet SILTY CLAY, little sand and gravel, fine-coarse, angular, dark brown, wet
							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 5.5-6.0 feet below land surface
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-2

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		CH-	SILTY CLAY, brown, dry
				0		MH	CONCRETE SLAG, grey, dry
				0		FILL	
				0		VC	SILTY CLAY, some sand and gravel, fine - medium, red-brown, dry
3							
				0		CH-	Silty CLAY, little gravel, fine-coarse, angular, red-brown, dry
6				0		MH	
				0		SW	SAND, fine-coarse, yellow, dry
				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, brown, wet at 8.5-9.0 with slight odor
9							SAMPLE TAKEN (8.5-9.0)
							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 8.5-9.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: _____

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand and gravel, angular, red-brown, dry
3				0		VC	SILTY CLAY, some sand and gravel, angular, red-brown, odor, black viscous, stained soil
				0			SAMPLE TAKEN (4.5-5.0)
6				0		VC SP	SILTY CLAY, some sand and gravel, angular, red-brown, stained soil, odor, black viscous, moist
				0		VC	SAND, fine to medium, stained soil, sheen, wet, yellow-brown
				0		VC	SILTY CLAY, sand and gravel, fine-medium, angular, stained soil present, brown-black
9				0		FILL	CONCRETE SLAG, green, low moisture
12							End of Boring
15							
18							

 Composite Sample to Lab

 Grab Sample to Lab

 Sample Not Analyzed

 Drilling Co.: Enviro-Dynamics

 Sampling Method: Grab

 Driller: Rob Mores

 Sampling Interval: 4.5-5.0 ft bls

 Drilling Method: Direct-Push

Drilling Fluid: _____

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, brown, dry
				0		GW-SW	Sandy GRAVEL, yellow, dry
				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, brown, dry
3				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, dark brown, dry
				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, dark brown, dry, stained soil
6				0			SAMPLE TAKEN (6.0-6.5)
				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular, dark brown, dry, stained soil
				0		SW	SAND, orange-brown, fine-medium, moist
9				0		FILL	CONCRETE SLAG, green, dry
							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 6.0-6.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-5

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand/gravel, fine-coarse, dry, red-brown
3							
6				0		VC	SILTY CLAY, some sand/gravel, fine-coarse, moist, red-brown
				0			SAMPLE TAKEN (6.5-7.0)
9				0		FILL	CONCRETE SLAG, green, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 6.5-7.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-6

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, dry, red-brown, some gravel, fine-medium, sub-angular-angular
				0		FILL	CONCRETE SLAG, grey, dry
				0		FILL	CONCRETE with cinder, dark brown, dry
3				0		FILL	CONCRETE, grey, dry
				0		FILL	CONCRETE, grey, dry, slag
6				0		CH-MH	SILTY CLAY, brown, dry SAMPLE TAKEN (7.5-8.0)
9							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 7.5-8.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSP-7

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						VC	SILTY CLAY, some gravel and sand, fine medium, brown, dry
3				0		VC	SILTY CLAY, some gravel and sand, fine medium, brown, dry
6			SAMPLE TAKEN (5.0-5.5)	0			
9				0		VC	SILTY CLAY, some gravel and sand, fine medium, brown, moist
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 5.0-5.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-8

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand and gravel, fine coarse, angular-subangular, dry
3							
6				0 0 0		VC VC	SAMPLE TAKEN (5.0-5.5) SILTY CLAY, some sand and gravel, fine coarse, angular-subangular, dry, stained soil SILTY CLAY, some sand and gravel, fine coarse, angular-subangular, moist
9				0		FILL	SLAG, grey-green, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 5.0-5.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-3W1

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some gravel-sand, fine-medium, angular, red-brown, dry
3							
6			▀	0		VC	SILTY CLAY, some gravel-sand, fine-medium, angular, red-brown, dry, with
6				0		SP	NAPL SAMPLE TAKEN (4.5-5.0)
6							SAND, fine-medium, light brown, wet
9				0		FILL	SLAG, green-blue, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 4.5-5.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-4E1(fence)

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some gravel, fine-medium, angular, red-brown, dry
				0			SAMPLE TAKEN (2.0-2.5)
3				0		SW	SAND, yellow, some silt, moist
				0		FILL	SLAG, green, moist
6				0		FILL	SLAG, green, moist
9							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 2.0-2.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-3E1

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand-gravel, fine-medium, angular, red-brown, dry
3				0 0 0		FILL	SAMPLE TAKEN (2.0-2.5) SLAG, blue-green, dry FILL SLAG, blue-green, dry
6							
9				0		CH	CLAY with organics, moist, soft End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 2.0-2.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-3N1

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		FILL	CONCRETE, dry, grey
				0		VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
				0		VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, with NAPL, moist
				0		VC	SAMPLE TAKEN (4.5-5.0)
6				0		VC	SILTY CLAY, some sand-gravel, fine-coarse angular, red-brown, moist
				0		FILL	SLAG, green-blue, dry
9							
							End of Boring
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 4.5-5.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: **NPSB-7S1**

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
6				0		SP	SAND, fine-coarse, orange-brown, moist
6.0-6.5				0		VC	SAMPLE TAKEN (6.0-6.5)
6.5				0			SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, stained soil, moist
9							
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 6.0-6.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-9

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
6			5.0-5.5	0		VC	SAMPLE TAKEN (5.0-5.5) SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry, stained soil
						VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, moist, stained soil
9						FILL	Slag, green-blue, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 5.0-5.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-10

Project Name: Former WSW Northeast Parcel Soil Date Started: 3.16.06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 3.16.06 Editor: Bazan

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0				0		VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							SAMPLE TAKEN (3.0-3.5)
6						FILL	Slag, green-blue, dry
9							
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Mores Sampling Interval: 3.0-3.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: _____



Boring Log: NPSB-11

Project Name: Former WSW Northeast Parcel Soil Date Started: 4/20/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 4/20/06 Editor: Etscheid

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		48				VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							SAMPLE TAKEN (3.0-3.5) Becomes moist at 3.75'
6		48				FILL	Slag, blue-green, dry
9							
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jacob Sampling Interval: 3.0-3.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPSB-12

Project Name: Former WSW Northeast Parcel Soil Date Started: 4/20/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 4/20/06 Editor: Etscheid

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		44				VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							SAMPLE TAKEN (4.0-4.5)
6							Becomes moist at 5.0'
9		36				FILL	Slag, blue-green, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jacob Sampling Interval: 4.0-4.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPSB-13

Project Name: Former WSW Northeast Parcel Soil Date Started: 4/20/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 4/20/06 Editor: Etscheid

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		48				VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
6		48				GW-GC	GRAVELLY CALY, some sand-silt, fine-coarse, angular, light brown, wet
9							
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jacob Sampling Interval: 5.0-5.5 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPSB-14

Project Name: Former WSW Northeast Parcel Soil Date Started: 4/20/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 4/20/06 Editor: Etscheid

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		44				VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
6		50					SAMPLE TAKEN (5.5-6.0)
9							Becomes moist at 7.4'
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Jacob Sampling Interval: 5.5-6.0 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPSB-15

Project Name: Former WSW Northeast Parcel Soil Date Started: 4/20/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 4/20/06 Editor: Etscheid

Depth (feet)	Blows (/6 in.)	Recovery (Inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		44				VC	SILTY CLAY, some sand-gravel, fine-coarse, angular, red-brown, dry
3							
6		50					SAMPLE TAKEN (5.5-6.0)
							Becomes moist at 7.4'
9							
							End of Boring
12							
15							
18							

Composite Sample to Lab

Grab Sample to Lab

Sample Not Analyzed

Page 1 of 1

Drilling Co.: Enviro-Dynamics

Sampling Method: Grab

Driller: Jacob

Sampling Interval: 5.5-6.0 ft bls

Drilling Method: Direct-Push

Drilling Fluid: None

Appendix I

East Basin Vertical Delineation
Soil Boring Logs

Boring Log: NPSB-16

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/6/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/6/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		44				GW-GC	CLAY, brown, with crushed concrete, white, dry
3						SW	SAND, fine to medium, light brown, dry
6						OH SW	Piece of Wood SAND, light brown, moist
9							SANDY GRAVEL, fine to coarse, angular, stained soils, black, moist
12							SANDY GRAVEL, medium to coarse, yellow to brown, moist
15							Contingent Sample Collected
18							End of Boring

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 4-10 ft bis
 Drilling Method: Direct-Push Drilling Fluid: None



Boring Log: NPSB-17

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/14/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/14/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0		44				GW-GC	SILTY CLAY, some sand and gravel, fine to medium, angular, brown, moist
							Contingent Sample Collected
3						CL-ML	SILTY CLAY, some sand and gravel, fine to medium, angular, stained soils, black, moist
						GW-SW	GRAVELLY SAND, some silt and clay, fine to coarse, angular, stained soil, black, moist
6						CL-ML	SILTY CLAY, little sand and gravel, fine to medium, angular, grey-brown, compact, moist
						FILL	Contingent Sample Collected
9							SLAG, blue to green, dry
							Contingent Sample Collected
							Contingent Sample Collected
							Contingent Sample Collected
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 2-12 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPSB-18

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/14/06 Logger: Wright
 Project Number: C1000664.0018.00003 Date Completed: 7/14/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, with organics (roots), black, moist
						SP	SAND, fine to medium, orange, moist
3						CL-ML	SILTY CLAY, some sand and gravel, fine to medium, angular, dark brown, moist Contingent Sample Collected
6						GW-SW	GRAVELLY SAND, fine to coarse, angular, stained soil, black, moist
9						FILL	SLAG, blue-grey, dry Contingent Sample Collected
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 2-8 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPSB-19

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/14/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/14/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, little sand and gravel, fine to medium, angular, brown, moist
3							Contingent Sample Collected
6						GW-SW	GRAVELLY SAND, little silt, fine to medium, angular, stained soils, black, moist
6						CL-ML	Contingent Sample Collected SILTY CLAY, little gravel, fine to medium, angular, brown, dry
9						FILL	Contingent Sample Collected SLAG, blue to grey, dry
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 3-8 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPSB-20

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/14/06 Logger: Wright
 Project Number: CI000664.0018.00003 Date Completed: 7/14/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						SP	SAND, fine to medium, orange, moist
						CL-ML	SILTY CLAY, some gravel, fine to medium, angular, brown, moist
3							Contingent Sample Collected
						GW-SW	GRAVELLY SAND, little silt, fine to coarse, angular, stained soils, black, moist
6						CL-ML	SILTY CLAY, some sand and gravel, fine to coarse, angular, brown, dry
							Contingent Sample Collected
							SLAG, blue to grey, dry
9							CLAY, with organics, soft, black, moist
12							End of Boring
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 3-8 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None

Boring Log: NPSB-21

Project Name: <u>Former WSW Northeast Parcel Soil</u>	Date Started: <u>7/14/06</u>	Logger: <u>Wright</u>
Project Number: <u>CI000664.0018.00003</u>	Date Completed: <u>7/14/06</u>	Editor: <u>Wright</u>

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, some gravel, fine to coarse, angular, brown, moist
3							Contingent Sample Collected
6							Contingent Sample Collected
9						FILL	SLAG, blue to grey, dry
12						CH	CLAY, with organics, soft, black, moist
15							End of Boring
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1

Drilling Co.: <u>Enviro-Dynamics</u>	Sampling Method: <u>Grab</u>
Driller: <u>Rob</u>	Sampling Interval: <u>1-foot interval from 3-8 ft bls</u>
Drilling Method: <u>Direct-Push</u>	Drilling Fluid: <u>None</u>



Boring Log: NPSB-22

Project Name: Former WSW Northeast Parcel Soil Date Started: 7/14/06 Logger: Wright
 Project Number: C1000664.0018.00003 Date Completed: 7/14/06 Editor: Wright

Depth (feet)	Blows (/6 in.)	Recovery (inches)	Sample	PID (PPM)	Graphic Log	Soil Class.	Description
0						CL-ML	SILTY CLAY, some sand and gravel, fine to coarse, angular, brown, moist
3							Contingent Sample Collected
6							Contingent Sample Collected
9							End of Boring (Refusal)
12							
15							
18							

Composite Sample to Lab
 Grab Sample to Lab
 Sample Not Analyzed
 Page 1 of 1
 Drilling Co.: Enviro-Dynamics Sampling Method: Grab
 Driller: Rob Sampling Interval: 1-foot interval from 3-8 ft bls
 Drilling Method: Direct-Push Drilling Fluid: None

ARCADIS

Appendix J

East Basin laboratory Analytical
Reports

ANALYTICAL REPORT

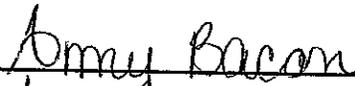
Job Number: 680-9779-1

Job Description: Wisconsin Steel Works

For:

Arcadis G & M
35 East Wacker Drive
Suite 1000
Chicago, IL 60601

Attention: Ms. Michele Gurgas


for Kathryn Smith

Project Manager I

kesmith@stl-inc.com

12/15/2005

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the STL Project Manager who signed this test report.

Severn Trent Laboratories, Inc.

STL Savannah 5102 LaRoche Avenue, Savannah, GA 31404

Tel 912-354-7858 Fax 912-351-3673 www.stl-inc.com

METHOD SUMMARY

Client: Arcadis G & M

Job Number: 680-9779-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	STL-SAV	SW846 8260B	
Toxicity Characteristic Leaching Procedure (ZHE)	STL-SAV		SW846 1311
Purge and Trap on Leachates	STL-SAV		SW846 5030B
Purge-and-Trap for Aqueous Samples/High	STL-SAV		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	STL-SAV	SW846 8270C	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Continuous Liquid-Liquid Extraction	STL-SAV		SW846 3520C
Ultrasonic Extraction	STL-SAV		SW846 3550B
Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)	STL-SAV	SW846 8015B	
Deionized Water Leaching Procedure (Routine)	STL-SAV		ASTM NONE
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	STL-SAV	SW846 8015B	
Ultrasonic Extraction	STL-SAV		SW846 3550B
Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography	STL-SAV	SW846 8081A_8082	
Ultrasonic Extraction	STL-SAV		SW846 3550B
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-SAV	SW846 6010B	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Acid Digestion of Aqueous Samples and Extracts	STL-SAV		SW846 3010A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-SAV	SW846 7470A	
Toxicity Characteristic Leaching Procedure	STL-SAV		SW846 1311
Mercury in Liquid Waste (Manual Cold Vapor)	STL-SAV		SW846 7470A
Ignitability of Solids	STL-SAV	SW846 1030	
Reactive Cyanide Analysis using method 9014	STL-SAV	SW846 9014	
Cyanide, Reactive (SW7.3.3)	STL-SAV		SW846 7.3.3
Extractable Organic Halides (EOX) in Solids	STL-SAV	SW846 9023	
Titrimetric Procedure for Acid-Soluble and Acid-Insoluble Sulfides	STL-SAV	SW846 9034	
Sulfide, Reactive (SW7.3.4)	STL-SAV		SW846 7.3.4
Soil and Waste pH	STL-SAV	SW846 9045C	
Phenolics (Spectrophotometric, Manual 4-AAP with Distillation)	STL-SAV	SW846 9065	
Distillation/Phenolics	STL-SAV		Distill/Phenol
Percent Moisture	STL-SAV	EPA 160.3	

STL Savannah

METHOD SUMMARY

Client: Arcadis G & M

Job Number: 680-9779-1

LAB REFERENCES:

STL-SAV = STL-Savannah

METHOD REFERENCES:

EPA - US Environmental Protection Agency

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986
And Its Updates.

SAMPLE SUMMARY

Client: Arcadis G & M

Job Number: 680-9779-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
680-9779-1	DP-AAF-1	Solid	10/25/2005 1045	10/26/2005 0923
680-9779-2	DP-AAF-2	Solid	10/25/2005 1110	10/26/2005 0923
680-9779-3	DP-AAF-3	Solid	10/25/2005 1030	10/26/2005 0923
680-9779-4	EB-B-1	Solid	10/25/2005 0840	10/26/2005 0923

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-1

Lab Sample ID: 680-9779-1

Client Matrix: Solid

Date Sampled: 10/25/2005 1045

Date Received: 10/26/2005 0923

8260B Volatile Organic Compounds by GC/MS -TCLP

Method:	8260B	Analysis Batch: 680-26727	Instrument ID: GC/MS Volatiles - P
Preparation:	5030B		Lab File ID: p0785.d
Dilution:	20	Tcip Batch: 680-26729	Initial Weight/Volume: 5 mL
Date Analyzed:	10/28/2005 2000		Final Weight/Volume: 5 mL
Date Prepared:	10/28/2005 2000		
Date Leached:	10/27/2005 1312		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.020	U	0.020
Carbon tetrachloride		0.020	U	0.020
Chlorobenzene		0.020	U	0.020
Chloroform		0.020	U	0.020
1,2-Dichloroethane		0.020	U	0.020
1,1-Dichloroethene		0.020	U	0.020
Methyl Ethyl Ketone		0.10	U	0.10
Tetrachloroethene		0.020	U	0.020
Trichloroethene		0.020	U	0.020
Vinyl chloride		0.040	U	0.040
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		106		77 - 120
Dibromofluoromethane		101		75 - 123
Toluene-d8		98		79 - 122

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Client Matrix: Solid

Date Sampled: 10/25/2005 1110

Date Received: 10/26/2005 0923

8260B Volatile Organic Compounds by GC/MS -TCLP

Method:	8260B	Analysis Batch: 680-26727	Instrument ID: GC/MS Volatiles - P
Preparation:	5030B		Lab File ID: p0787.d
Dilution:	20	Tclp Batch: 680-26729	Initial Weight/Volume: 5 mL
Date Analyzed:	10/28/2005 2027		Final Weight/Volume: 5 mL
Date Prepared:	10/28/2005 2027		
Date Leached:	10/27/2005 1312		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.020	U	0.020
Carbon tetrachloride		0.020	U	0.020
Chlorobenzene		0.020	U	0.020
Chloroform		0.020	U	0.020
1,2-Dichloroethane		0.020	U	0.020
1,1-Dichloroethene		0.020	U	0.020
Methyl Ethyl Ketone		0.10	U	0.10
Tetrachloroethene		0.020	U	0.020
Trichloroethene		0.020	U	0.020
Vinyl chloride		0.040	U	0.040
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		107		77 - 120
Dibromofluoromethane		104		75 - 123
Toluene-d8		99		79 - 122

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Client Matrix: Solid

Date Sampled: 10/25/2005 1030

Date Received: 10/26/2005 0923

8260B Volatile Organic Compounds by GC/MS -TCLP

Method:	8260B	Analysis Batch: 680-26727	Instrument ID: GC/MS Volatiles - P
Preparation:	5030B		Lab File ID: p0789.d
Dilution:	20	Tclp Batch: 680-26729	Initial Weight/Volume: 5 mL
Date Analyzed:	10/28/2005 2055		Final Weight/Volume: 5 mL
Date Prepared:	10/28/2005 2055		
Date Leached:	10/27/2005 1312		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Benzene		0.020	U	0.020
Carbon tetrachloride		0.020	U	0.020
Chlorobenzene		0.020	U	0.020
Chloroform		0.020	U	0.020
1,2-Dichloroethane		0.020	U	0.020
1,1-Dichloroethene		0.020	U	0.020
Methyl Ethyl Ketone		0.10	U	0.10
Tetrachloroethene		0.020	U	0.020
Trichloroethene		0.020	U	0.020
Vinyl chloride		0.040	U	0.040
Surrogate		%Rec		Acceptance Limits
4-Bromofluorobenzene		104		77 - 120
Dibromofluoromethane		101		75 - 123
Toluene-d8		98		79 - 122

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: EB-B-1

Lab Sample ID: 680-9779-4

Date Sampled: 10/25/2005 0840

Client Matrix: Solid

Date Received: 10/26/2005 0923

8260B Volatile Organic Compounds by GC/MS

Method:	8260B	Analysis Batch: 680-27482	Instrument ID: GC/MS Volatiles - L
Preparation:	5030B-Medium	Prep Batch: 680-27986	Lab File ID: I6094.d
Dilution:	1.0		Initial Weight/Volume: 11.6 g
Date Analyzed:	11/04/2005 1249		Final Weight/Volume: 10 mL
Date Prepared:	11/04/2005 1219		

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Bromomethane		170	U	170
Vinyl chloride		170	U	170
Methylene Chloride		170	U	170
Acetone		1700	U	1700
Carbon disulfide		170	U	170
1,1-Dichloroethene		170	U	170
1,1-Dichloroethane		170	U	170
cis-1,2-Dichloroethene		170	U	170
trans-1,2-Dichloroethene		170	U	170
Chloroform		170	U	170
1,2-Dichloroethane		170	U	170
1,1,1-Trichloroethane		170	U	170
Carbon tetrachloride		170	U	170
Dichlorobromomethane		170	U	170
1,2-Dichloropropane		170	U	170
trans-1,3-Dichloropropene		170	U	170
Trichloroethene		180		170
Chlorodibromomethane		170	U	170
1,1,2-Trichloroethane		170	U	170
Benzene		170	U	170
cis-1,3-Dichloropropene		170	U	170
Bromoform		170	U	170
1,2-Dibromo-3-Chloropropane		340	U	340
1,2-Dibromoethane		170	U	170
Tetrachloroethene		480		170
Toluene		220		170
Chlorobenzene		170	U	170
Ethylbenzene		700		170
Styrene		170	U	170
Xylenes, Total		3200		340
Methyl tert-butyl ether		1700	U	1700
1,2,4-Trichlorobenzene		170	U	170
Vinyl acetate		340	U	340
Surrogate		%Rec		Acceptance Limits
Toluene-d8		78		65 - 128
4-Bromofluorobenzene		76		68 - 121
Dibromofluoromethane		73		66 - 127

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-1

Lab Sample ID: 680-9779-1

Client Matrix: Solid

Date Sampled: 10/25/2005 1045

Date Received: 10/26/2005 0923

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) -TCLP

Method:	8270C	Analysis Batch: 680-27556	Instrument ID: GC/MS SemiVolatiles - F
Preparation:	3520C	Prep Batch: 680-26661	Lab File ID: f1556.d
Dilution:	1.0	Tclp Batch: 680-26514	Initial Weight/Volume: 200 mL
Date Analyzed:	11/05/2005 1639		Final Weight/Volume: 1 mL
Date Prepared:	10/28/2005 1421		Injection Volume:
Date Leached:	10/27/2005 1500		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		0.050	U	0.050
2,4-Dinitrotoluene		0.050	U	0.050
Hexachloroethane		0.050	U	0.050
Hexachlorobenzene		0.050	U	0.050
Hexachlorobutadiene		0.050	U	0.050
Methyl Phenols, Total		0.050	U	0.050
Nitrobenzene		0.050	U	0.050
Pentachlorophenol		0.25	U	0.25
Pyridine		0.25	U	0.25
2,4,5-Trichlorophenol		0.050	U	0.050
2,4,6-Trichlorophenol		0.050	U	0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	89	55 - 126
2-Fluorobiphenyl	75	59 - 103
2-Fluorophenol	77	56 - 100
Nitrobenzene-d5	77	60 - 102
Phenol-d5	79	55 - 104
Terphenyl-d14	70	10 - 154

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Date Sampled: 10/25/2005 1110

Client Matrix: Solid

Date Received: 10/26/2005 0923

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) -TCLP

Method:	8270C	Analysis Batch: 680-28227	Instrument ID: GC/MS SemiVolatiles - T
Preparation:	3520C	Prep Batch: 680-27851	Lab File ID: t1091.d
Dilution:	1.0	Tclp Batch: 680-26514	Initial Weight/Volume: 200 mL
Date Analyzed:	11/13/2005 2056		Final Weight/Volume: 1 mL
Date Prepared:	11/09/2005 1503		Injection Volume:
Date Leached:	10/27/2005 1500		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		0.050	U	0.050
2,4-Dinitrotoluene		0.050	U	0.050
Hexachloroethane		0.050	U	0.050
Hexachlorobenzene		0.050	U	0.050
Hexachlorobutadiene		0.050	U	0.050
Methyl Phenols, Total		0.050	U	0.050
Nitrobenzene		0.050	U	0.050
Pentachlorophenol		0.25	U	0.25
Pyridine		0.25	U	0.25
2,4,5-Trichlorophenol		0.050	U	0.050
2,4,6-Trichlorophenol		0.050	U	0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	90	55 - 126
2-Fluorobiphenyl	88	59 - 103
2-Fluorophenol	82	56 - 100
Nitrobenzene-d5	89	60 - 102
Phenol-d5	83	55 - 104
Terphenyl-d14	94	10 - 154

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Date Sampled: 10/25/2005 1030

Client Matrix: Solid

Date Received: 10/26/2005 0923

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS) -TCLP

Method:	8270C	Analysis Batch: 680-27556	Instrument ID: GC/MS SemiVolatiles - F
Preparation:	3520C	Prep Batch: 680-26661	Lab File ID: f1558.d
Dilution:	1.0	Tclp Batch: 680-26514	Initial Weight/Volume: 200 mL
Date Analyzed:	11/05/2005 1735		Final Weight/Volume: 1 mL
Date Prepared:	10/28/2005 1421		Injection Volume:
Date Leached:	10/27/2005 1500		

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
1,4-Dichlorobenzene		0.050	U	0.050
2,4-Dinitrotoluene		0.050	U	0.050
Hexachloroethane		0.050	U	0.050
Hexachlorobenzene		0.050	U	0.050
Hexachlorobutadiene		0.050	U	0.050
Methyl Phenols, Total		0.050	U	0.050
Nitrobenzene		0.050	U	0.050
Pentachlorophenol		0.25	U	0.25
Pyridine		0.25	U	0.25
2,4,5-Trichlorophenol		0.050	U	0.050
2,4,6-Trichlorophenol		0.050	U	0.050

Surrogate	%Rec	Acceptance Limits
2,4,6-Tribromophenol	76	55 - 126
2-Fluorobiphenyl	60	59 - 103
2-Fluorophenol	67	56 - 100
Nitrobenzene-d5	69	60 - 102
Phenol-d5	67	55 - 104
Terphenyl-d14	66	10 - 154

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: EB-B-1

Lab Sample ID: 680-9779-4
 Client Matrix: Solid

Date Sampled: 10/25/2005 0840
 Date Received: 10/26/2005 0923

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Method: 8270C Analysis Batch: 680-27471 Instrument ID: GC/MS SemiVolatiles - E
 Preparation: 3550B Prep Batch: 680-26784 Lab File ID: e6524.d
 Dilution: 10 Initial Weight/Volume: 5.04 g
 Date Analyzed: 11/04/2005 1155 Final Weight/Volume: 1.0 mL
 Date Prepared: 10/31/2005 1107 Injection Volume:

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
Bis(2-chloroethyl)ether		20000	U	20000
2-Chlorophenol		20000	U	20000
1,2-Dichlorobenzene		20000	U	20000
Nitrobenzene		20000	U	20000
Isophorone		20000	U	20000
Hexachlorocyclopentadiene		20000	U	20000
Diethyl phthalate		20000	U	20000
Di-n-butyl phthalate		20000	U	20000
Butyl benzyl phthalate		20000	U	20000
Bis(2-ethylhexyl) phthalate		20000	U	20000
Di-n-octyl phthalate		20000	U	20000

Surrogate	%Rec		Acceptance Limits
Phenol-d5	0	D	38 - 102
2-Fluorophenol	0	D	36 - 101
2,4,6-Tribromophenol	0	D	27 - 124
Nitrobenzene-d5	0	D	33 - 94
2-Fluorobiphenyl	0	D	38 - 104
Terphenyl-d14	0	D	40 - 129

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: EB-B-1

Lab Sample ID: 680-9779-4
Client Matrix: Solid

Date Sampled: 10/25/2005 0840
Date Received: 10/26/2005 0923

8015B Nonhalogenated Organic using GC/FID (Direct Aqueous Injection)

Method:	8015B	Analysis Batch: 680-27553	Instrument ID:	GC Volatiles - G FID1
Preparation:	N/A		Lab File ID:	NV07G8.d
Dilution:	1.0	Tclp Batch: 680-27552	Initial Weight/Volume:	
Date Analyzed:	11/07/2005 1307		Final Weight/Volume:	1 mL
Date Prepared:	N/A		Injection Volume:	
Date Leached:			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Butanol		1.0	U	1.0

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: EB-B-1

Lab Sample ID: 680-9779-4

Date Sampled: 10/25/2005 0840

Client Matrix: Solid

Date Received: 10/26/2005 0923

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method:	8015B	Analysis Batch: 680-27233	Instrument ID:	GC SemiVolatiles - Q
Preparation:	3550B	Prep Batch: 680-26780	Lab File ID:	qnov0120.d
Dilution:	10		Initial Weight/Volume:	5.05 g
Date Analyzed:	11/01/2005 2010		Final Weight/Volume:	1.0 mL
Date Prepared:	10/31/2005 1049		Injection Volume:	
			Column ID:	PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		15000		200
Surrogate		%Rec		Acceptance Limits
o-Terphenyl		0	D *	15 - 154

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: EB-B-1

Lab Sample ID: 680-9779-4

Date Sampled: 10/25/2005 0840

Client Matrix: Solid

Date Received: 10/26/2005 0923

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Method: 8015B Analysis Batch: 680-28102 Instrument ID: GC SemiVolatiles - Q
Preparation: 3550B Prep Batch: 680-26780 Lab File ID: qnov0943.d
Dilution: 20 Initial Weight/Volume: 5.05 g
Date Analyzed: 11/10/2005 0505 Final Weight/Volume: 1.0 mL
Date Prepared: 10/31/2005 1049 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Oil Range Organics (C20-C36)		24000		2000

Method: 8015B Analysis Batch: 680-28102 Instrument ID: GC SemiVolatiles - Q
Preparation: 3550B Prep Batch: 680-26780 Lab File ID: qnov0943.d
Dilution: 20 Initial Weight/Volume: 5.05 g
Date Analyzed: 11/10/2005 0505 Final Weight/Volume: 1.0 mL
Date Prepared: 10/31/2005 1049 Injection Volume:
Column ID: SECONDARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Diesel Range Organics [C10-C28]		24000		390

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	0	D * 15 - 154

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-1

Lab Sample ID: 680-9779-1

Date Sampled: 10/25/2005 1045

Client Matrix: Solid

Date Received: 10/26/2005 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-27534	Instrument ID: GC SemiVolatiles - K
Preparation:	3550B	Prep Batch: 680-27060	Lab File ID: knv06017.d
Dilution:	1.0		Initial Weight/Volume: 15.04 g
Date Analyzed:	11/06/2005 1616		Final Weight/Volume: 5.0 mL
Date Prepared:	11/02/2005 1148		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		33	U	33
PCB-1221		67	U	67
PCB-1232		33	U	33
PCB-1242		33	U	33
PCB-1248		190	P	33
PCB-1254		810		33
PCB-1260		510		33
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Date Sampled: 10/25/2005 1110

Client Matrix: Solid

Date Received: 10/26/2005 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-27534	Instrument ID: GC SemiVolatiles - K
Preparation:	3550B	Prep Batch: 680-27060	Lab File ID: knv06018.d
Dilution:	1.0		Initial Weight/Volume: 15.00 g
Date Analyzed:	11/06/2005 1642		Final Weight/Volume: 5.0 mL
Date Prepared:	11/02/2005 1148		Injection Volume:
			Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		33	U	33
PCB-1221		67	U	67
PCB-1232		33	U	33
PCB-1242		33	U	33
PCB-1248		2200	E	33
PCB-1254		33	U	33
PCB-1260		620		33
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Client Matrix: Solid

Date Sampled: 10/25/2005 1110

Date Received: 10/26/2005 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-27721	Instrument ID: GC SemiVolatiles - I
Preparation:	3550B	Prep Batch: 680-27060	Lab File ID: inv07042.d
Dilution:	100		Initial Weight/Volume: 15.00 g
Date Analyzed:	11/08/2005 0111	Run Type: DL	Final Weight/Volume: 5.0 mL
Date Prepared:	11/02/2005 1148		Injection Volume:
			Column ID: SECONDARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		3300	U	3300
PCB-1221		6700	U	6700
PCB-1232		3300	U	3300
PCB-1242		3300	U	3300
PCB-1248		38000	D	3300
PCB-1254		3300	U	3300
PCB-1260		17000	D	3300
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Date Sampled: 10/25/2005 1030

Client Matrix: Solid

Date Received: 10/26/2005 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method: 8081A_8082 Analysis Batch: 680-27534 Instrument ID: GC SemiVolatiles - K
Preparation: 3550B Prep Batch: 680-27060 Lab File ID: knv06019.d
Dilution: 1.0 Initial Weight/Volume: 15.04 g
Date Analyzed: 11/06/2005 1708 Final Weight/Volume: 5.0 mL
Date Prepared: 11/02/2005 1148 Injection Volume:
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		33	U	33
PCB-1221		67	U	67
PCB-1232		33	U	33
PCB-1242		33	U	33
PCB-1248		2900	E	33
PCB-1254		33	U	33
PCB-1260		990	E	33
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Date Sampled: 10/25/2005 1030

Client Matrix: Solid

Date Received: 10/26/2005 0923

8081A_8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Method:	8081A_8082	Analysis Batch: 680-27721	Instrument ID: GC SemiVolatiles - I
Preparation:	3550B	Prep Batch: 680-27060	Lab File ID: inv07043.d
Dilution:	100		Initial Weight/Volume: 15.04 g
Date Analyzed:	11/08/2005 0129	Run Type: DL	Final Weight/Volume: 5.0 mL
Date Prepared:	11/02/2005 1148		Injection Volume:
			Column ID: SECONDARY

Analyte	DryWt Corrected: N	Result (ug/Kg)	Qualifier	RL
PCB-1016		3300	U	3300
PCB-1221		6700	U	6700
PCB-1232		3300	U	3300
PCB-1242		3300	U	3300
PCB-1248		24000	D	3300
PCB-1254		3300	U	3300
PCB-1260		16000	D	3300
Surrogate		%Rec		Acceptance Limits
Tetrachloro-m-xylene		0	D	30 - 150
DCB Decachlorobiphenyl		0	D	30 - 150

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

Client Sample ID: DP-AAF-1

Lab Sample ID: 680-9779-1

Date Sampled: 10/25/2005 1045

Client Matrix: Solid

Date Received: 10/26/2005 0923

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry-TCLP

Method:	6010B	Analysis Batch: 680-26822	Instrument ID:	ICP/AES
Preparation:	3010A	Prep Batch: 680-26589	Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-26514	Initial Weight/Volume:	5 mL
Date Analyzed:	10/31/2005 0258		Final Weight/Volume:	50 mL
Date Prepared:	10/28/2005 0918			
Date Leached:	10/27/2005 1500			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Arsenic		0.20	U	0.20
Barium		1.0	U	1.0
Cadmium		0.10	U	0.10
Chromium		1.0		0.20
Lead		0.20	U	0.20
Selenium		0.50	U	0.50
Silver		0.10	U	0.10

7470A Mercury in Liquid Waste (Manual Cold Vapor Technique)-TCLP

Method:	7470A	Analysis Batch: 680-27299	Instrument ID:	LEEMAN1
Preparation:	7470A	Prep Batch: 680-26938	Lab File ID:	N/A
Dilution:	1.0	Tclp Batch: 680-26514	Initial Weight/Volume:	0.50 mL
Date Analyzed:	11/03/2005 1118		Final Weight/Volume:	50 mL
Date Prepared:	11/01/2005 1051			
Date Leached:	10/27/2005 1500			

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	RL
Mercury		0.020	U	0.020

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

General Chemistry

Client Sample ID: DP-AAF-1

Lab Sample ID: 680-9779-1

Date Sampled: 10/25/2005 1045

Client Matrix: Solid % Moisture: 41.2

Date Received: 10/26/2005 0923

Analyte	Result	Qual	Units	RL	Dil	Method
Halogens, Extractable Organic	25		mg/Kg	17	1.0	9023
	Anly Batch: 680-27854	Date Analyzed	11/09/2005 1230			DryWt Corrected: Y
Sulfide, Reactive	50	U	mg/Kg	50	1.0	9034
	Anly Batch: 680-27033	Date Analyzed	10/31/2005 1310			DryWt Corrected: N
	Prep Batch: 680-27012	Date Prepared:	10/31/2005 1145			
Phenols, Total	3.6		mg/Kg	1.7	1.0	9065
	Anly Batch: 680-26567	Date Analyzed	10/27/2005 1050			DryWt Corrected: Y
	Prep Batch: 680-26566	Date Prepared:	10/27/2005 1020			

Analyte	Result	Qual	Units	RL	Dil	Method
Ignitability	NB		mm/sec		1.0	1030
	Anly Batch: 680-27087	Date Analyzed	11/01/2005 1600			DryWt Corrected: N
pH	7.72		SU		1.0	9045C
	Anly Batch: 680-26674	Date Analyzed	10/28/2005 1420			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	100	U	mg/Kg	100	1.0	9014
	Anly Batch: 680-27005	Date Analyzed	10/31/2005 1405			DryWt Corrected: N
	Prep Batch: 680-26998	Date Prepared:	10/31/2005 1145			
Percent Moisture	41		%	1.0	1.0	160.3
	Anly Batch: 680-27320	Date Analyzed	11/03/2005 0728			
Percent Solids	59		%	1.0	1.0	160.3
	Anly Batch: 680-27320	Date Analyzed	11/03/2005 0728			

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Date Sampled: 10/25/2005 1110

Client Matrix: Solid % Moisture: 32.2

Date Received: 10/26/2005 0923

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

General Chemistry

Client Sample ID: DP-AAF-2

Lab Sample ID: 680-9779-2

Date Sampled: 10/25/2005 1110

Client Matrix: Solid

% Moisture: 32.2

Date Received: 10/26/2005 0923

Analyte	Result	Qual	Units	RL	Dil	Method
Halogens, Extractable Organic	69		mg/Kg	15	1.0	9023
	Any Batch: 680-27854		Date Analyzed 11/09/2005 1230			DryWt Corrected: Y
Sulfide, Reactive	50	U	mg/Kg	50	1.0	9034
	Any Batch: 680-27033		Date Analyzed 10/31/2005 1310			DryWt Corrected: N
	Prep Batch: 680-27012		Date Prepared: 10/31/2005 1145			
Phenols, Total	13		mg/Kg	1.5	1.0	9065
	Any Batch: 680-26567		Date Analyzed 10/27/2005 1050			DryWt Corrected: Y
	Prep Batch: 680-26566		Date Prepared: 10/27/2005 1020			

Analyte	Result	Qual	Units	RL	Dil	Method
Ignitability	NB		mm/sec		1.0	1030
	Any Batch: 680-27087		Date Analyzed 11/01/2005 1600			DryWt Corrected: N
pH	7.81		SU		1.0	9045C
	Any Batch: 680-26674		Date Analyzed 10/28/2005 1420			DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	100	U	mg/Kg	100	1.0	9014
	Any Batch: 680-27005		Date Analyzed 10/31/2005 1405			DryWt Corrected: N
	Prep Batch: 680-26998		Date Prepared: 10/31/2005 1145			
Percent Moisture	32		%	1.0	1.0	160.3
	Any Batch: 680-27320		Date Analyzed 11/03/2005 0728			
Percent Solids	68		%	1.0	1.0	160.3
	Any Batch: 680-27320		Date Analyzed 11/03/2005 0728			

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Date Sampled: 10/25/2005 1030

Client Matrix: Solid

% Moisture: 30.6

Date Received: 10/26/2005 0923

Analytical Data

Client: Arcadis G & M

Job Number: 680-9779-1

General Chemistry

Client Sample ID: DP-AAF-3

Lab Sample ID: 680-9779-3

Client Matrix: Solid

% Moisture: 30.6

Date Sampled: 10/25/2005 1030

Date Received: 10/26/2005 0923

Analyte	Result	Qual	Units	RL	Dil	Method
Halogens, Extractable Organic	76		mg/Kg	14	1.0	9023
	Any Batch: 680-27854		Date Analyzed	11/09/2005	1230	DryWt Corrected: Y
Sulfide, Reactive	50	U	mg/Kg	50	1.0	9034
	Any Batch: 680-27033		Date Analyzed	10/31/2005	1310	DryWt Corrected: N
	Prep Batch: 680-27012		Date Prepared:	10/31/2005	1145	
Phenols, Total	1.6		mg/Kg	1.4	1.0	9065
	Any Batch: 680-26567		Date Analyzed	10/27/2005	1050	DryWt Corrected: Y
	Prep Batch: 680-26566		Date Prepared:	10/27/2005	1020	

Analyte	Result	Qual	Units	RL	Dil	Method
Ignitability	NB		mm/sec		1.0	1030
	Any Batch: 680-27087		Date Analyzed	11/01/2005	1600	DryWt Corrected: N
pH	7.83		SU		1.0	9045C
	Any Batch: 680-26674		Date Analyzed	10/28/2005	1420	DryWt Corrected: N

Analyte	Result	Qual	Units	RL	Dil	Method
Cyanide, Reactive	100	U	mg/Kg	100	1.0	9014
	Any Batch: 680-27005		Date Analyzed	10/31/2005	1405	DryWt Corrected: N
	Prep Batch: 680-26998		Date Prepared:	10/31/2005	1145	
Percent Moisture	31		%	1.0	1.0	160.3
	Any Batch: 680-27320		Date Analyzed	11/03/2005	0728	
Percent Solids	69		%	1.0	1.0	160.3
	Any Batch: 680-27320		Date Analyzed	11/03/2005	0728	

DATA REPORTING QUALIFIERS

Client: Arcadis G & M

Job Number: 680-9779-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Analyte was not detected at or above the reporting limit.
GC/MS Semi VOA	U	Analyte was not detected at or above the reporting limit.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
GC VOA	U	Analyte was not detected at or above the reporting limit.
GC Semi VOA	U	Analyte was not detected at or above the reporting limit.
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits
	E	Result exceeded calibration range, secondary dilution required.
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution will be flagged with a D.
	P	The lower of the two values is reported when the % difference between the results of two GC columns is greater than 40%
Metals	U	Analyte was not detected at or above the reporting limit.
General Chemistry	U	Analyte was not detected at or above the reporting limit.
STL Savannah		

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	(BFB) (%Rec)	(DBFM) (%Rec)	(TOL) (%Rec)
680-9779-4	EB-B-1	76	73	78
LCS 680-27482/1	LCS	106	106	105

<u>Surrogate</u>		<u>Acceptance Limits</u>
(BFB)	4-Bromofluorobenzene	68 - 121
(DBFM)	Dibromofluoromethane	66 - 127
(TOL)	Toluene-d8	65 - 128

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid TCLP

<u>Lab Sample ID</u>	<u>Client Sample</u>	(BFB) (%Rec)	(DBFM) (%Rec)	(TOL) (%Rec)
680-9779-1	DP-AAF-1	106	101	98
680-9779-2	DP-AAF-2	107	104	99
680-9779-3	DP-AAF-3	104	101	98
LCS 680-26727/15	LCS	108	105	100
MB 680-26727/1	MB	106	100	95

<u>Surrogate</u>	<u>Acceptance Limits</u>
(BFB) 4-Bromofluorobenzene	77 - 120
(DBFM) Dibromofluoromethane	75 - 123
(TOL) Toluene-d8	79 - 122

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
680-9779-4	EB-B-1	0 D	0 D	0 D	0 D	0 D	0 D
LCS 680-26784/17-A	LCS	80	72	77	78	77	71
MB 680-26784/16-A	MB	81	74	76	79	76	81

<u>Surrogate</u>	<u>Acceptance Limits</u>
(2FP) 2-Fluorophenol	36 - 101
(FBP) 2-Fluorobiphenyl	38 - 104
(NBZ) Nitrobenzene-d5	33 - 94
(PHL) Phenol-d5	38 - 102
(TBP) 2,4,6-Tribromophenol	27 - 124
(TPH) Terphenyl-d14	40 - 129

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid TCLP

<u>Lab Sample ID</u>	<u>Client Sample</u>	(2FP) (%Rec)	(FBP) (%Rec)	(NBZ) (%Rec)	(PHL) (%Rec)	(TBP) (%Rec)	(TPH) (%Rec)
680-9779-1	DP-AAF-1	77	75	77	79	89	70
680-9779-2	DP-AAF-2	82	88	89	83	90	94
680-9779-3	DP-AAF-3	67	60	69	67	76	66
LCS 680-26661/9-A	LCS	75	76	80	78	95	85
LCS 680-27851/7-A	LCS	80	94	89	81	96	104
MB 680-26514/5-C	MB	88	76	80	87	86	81
MB 680-26661/8-A	MB	84	78	83	81	92	85
MB 680-27851/6-A	MB	37 *	29 *	36 *	46 *	43 *	68

<u>Surrogate</u>		<u>Acceptance Limits</u>
(2FP)	2-Fluorophenol	56 - 100
(FBP)	2-Fluorobiphenyl	59 - 103
(NBZ)	Nitrobenzene-d5	60 - 102
(PHL)	Phenol-d5	55 - 104
(TBP)	2,4,6-Tribromophenol	55 - 126
(TPH)	Terphenyl-d14	10 - 154

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8015B Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	<u>(OTPH) (%Rec)</u>
680-9779-4	EB-B-1	0 D *
	EB-B-1	0 D *

<u>Surrogate</u>		<u>Acceptance Limits</u>
(OTPH)	o-Terphenyl	15 - 154

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Surrogate Recovery Report

8081A 8082 Organochlorine Pesticides & Polychlorinated Biphenyls by Gas Chromatography

Client Matrix: Solid

<u>Lab Sample ID</u>	<u>Client Sample</u>	(DCB 1) (%Rec)	(DCB 2) (%Rec)	(TCX 1) (%Rec)	(TCX 2) (%Rec)
680-9779-1	DP-AAF-1	0 D		0 D	
680-9779-2	DP-AAF-2	0 D		0 D	
680-9779-2DL	DP-AAF-2		0 D		0 D
680-9779-3	DP-AAF-3	0 D		0 D	
680-9779-3DL	DP-AAF-3		0 D		0 D
LCS 680-27060/21-B	LCS	127		99	
MB 680-27060/20-B	MB	80		80	

<u>Surrogate</u>		<u>Acceptance Limits</u>	
(DCB 1)	DCB Decachlorobiphenyl	30 - 150	
(TCX 1)	Tetrachloro-m-xylene	30 - 150	

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26727

**Method: 8260B
Preparation: 5030B
TCLP**

Lab Sample ID: MB 680-26727/1
Client Matrix: Solid
Dilution: 20
Date Analyzed: 10/28/2005 1641
Date Prepared: 10/28/2005 1641

Analysis Batch: 680-26727
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: p0771.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	RL
Benzene	0.020	U	0.020
Carbon tetrachloride	0.020	U	0.020
Chlorobenzene	0.020	U	0.020
Chloroform	0.020	U	0.020
1,2-Dichloroethane	0.020	U	0.020
1,1-Dichloroethene	0.020	U	0.020
Methyl Ethyl Ketone	0.10	U	0.10
Tetrachloroethene	0.020	U	0.020
Trichloroethene	0.020	U	0.020
Vinyl chloride	0.040	U	0.040

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	77 - 120
Dibromofluoromethane	100	75 - 123
Toluene-d8	95	79 - 122

Laboratory Control Sample - Batch: 680-26727

**Method: 8260B
Preparation: 5030B
TCLP**

Lab Sample ID: LCS 680-26727/15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/28/2005 1204
Date Prepared: 10/28/2005 1204

Analysis Batch: 680-26727
Prep Batch: N/A
Units: mg/L

Instrument ID: GC/MS Volatiles - P
Lab File ID: pq459.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.049	97	74 - 122	
Carbon tetrachloride	0.0500	0.049	98	64 - 137	
Chlorobenzene	0.0500	0.053	105	75 - 123	
Chloroform	0.0500	0.052	103	74 - 124	
1,2-Dichloroethane	0.0500	0.044	89	68 - 130	
1,1-Dichloroethene	0.0500	0.056	113	64 - 132	
Methyl Ethyl Ketone	0.100	0.095	95	51 - 142	
Tetrachloroethene	0.0500	0.054	107	70 - 133	
Trichloroethene	0.0500	0.081	163	75 - 122	
Vinyl chloride	0.0500	0.066	132	59 - 136	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Laboratory Control Sample - Batch: 680-27482

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 680-27482/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/04/2005 1052
Date Prepared: N/A

Analysis Batch: 680-27482
Prep Batch: N/A
Units: ug/Kg

Instrument ID: GC/MS Volatiles - L
Lab File ID: lq684.d
Initial Weight/Volume: 125 uL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	2500	2000	81	26 - 160	
Vinyl chloride	2500	2300	93	34 - 154	
Methylene Chloride	2500	2500	100	54 - 150	
Acetone	5000	4100	82	28 - 143	
Carbon disulfide	2500	2300	90	32 - 157	
1,1-Dichloroethene	2500	2300	94	52 - 143	
1,1-Dichloroethane	2500	2600	103	43 - 157	
cis-1,2-Dichloroethene	2500	2700	106	69 - 131	
trans-1,2-Dichloroethene	2500	2500	102	35 - 154	
Chloroform	2500	2800	110	77 - 125	
1,2-Dichloroethane	2500	2500	101	65 - 133	
1,1,1-Trichloroethane	2500	2600	105	58 - 139	
Carbon tetrachloride	2500	2600	106	62 - 140	
Dichlorobromomethane	2500	2600	104	74 - 128	
1,2-Dichloropropane	2500	2600	103	77 - 118	
trans-1,3-Dichloropropene	2500	2500	101	75 - 126	
Trichloroethene	2500	2700	107	80 - 122	
Chlorodibromomethane	2500	2400	98	67 - 135	
1,1,2-Trichloroethane	2500	2400	96	76 - 120	
Benzene	2500	2500	100	79 - 118	
cis-1,3-Dichloropropene	2500	2600	105	71 - 123	
Bromoform	2500	2100	85	62 - 137	
1,2-Dibromo-3-Chloropropane	2500	2200	86	21 - 180	
1,2-Dibromoethane	2500	2500	99	76 - 130	
Tetrachloroethene	2500	2800	111	79 - 132	
Toluene	2500	2600	102	80 - 118	
Chlorobenzene	2500	2700	108	81 - 120	
Ethylbenzene	2500	2600	103	82 - 118	
Styrene	2500	2600	105	80 - 118	
Xylenes, Total	7500	8100	108	74 - 122	
Methyl tert-butyl ether	5000	4800	97	37 - 168	
1,2,4-Trichlorobenzene	2500	2800	113	49 - 152	
Vinyl acetate	5000	2700	54	1 - 184	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26661

Lab Sample ID: MB 680-26514/5-C
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/05/2005 1514
 Date Prepared: 10/28/2005 1421
 Date Leached: 10/27/2005 1500

Analysis Batch: 680-27556
 Prep Batch: 680-26661
 Units: mg/L

Method: 8270C
Preparation: 3520C
TCLP

Instrument ID: GC/MS SemiVolatiles - F
 Lab File ID: f1553.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume:

Analyte	Result	Qual	RL
1,4-Dichlorobenzene	0.010	U	0.010
2,4-Dinitrotoluene	0.010	U	0.010
Hexachloroethane	0.010	U	0.010
Hexachlorobenzene	0.010	U	0.010
Hexachlorobutadiene	0.010	U	0.010
Methyl Phenols, Total	0.010	U	0.010
Nitrobenzene	0.010	U	0.010
Pentachlorophenol	0.050	U	0.050
Pyridine	0.050	U	0.050
2,4,5-Trichlorophenol	0.010	U	0.010
2,4,6-Trichlorophenol	0.010	U	0.010

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	86	55 - 126
2-Fluorobiphenyl	76	59 - 103
2-Fluorophenol	88	56 - 100
Nitrobenzene-d5	80	60 - 102
Phenol-d5	87	55 - 104
Terphenyl-d14	81	10 - 154

Method Blank - Batch: 680-26661

Lab Sample ID: MB 680-26661/8-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/05/2005 1445
 Date Prepared: 10/28/2005 1421

Analysis Batch: 680-27556
 Prep Batch: 680-26661
 Units: mg/L

Method: 8270C
Preparation: 3520C
TCLP

Instrument ID: GC/MS SemiVolatiles - F
 Lab File ID: f1552.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume:

Analyte	Result	Qual	RL
1,4-Dichlorobenzene	0.010	U	0.010
2,4-Dinitrotoluene	0.010	U	0.010
Hexachloroethane	0.010	U	0.010
Hexachlorobenzene	0.010	U	0.010
Hexachlorobutadiene	0.010	U	0.010
Methyl Phenols, Total	0.010	U	0.010
Nitrobenzene	0.010	U	0.010

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26661

Lab Sample ID: MB 680-26661/8-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/05/2005 1445
 Date Prepared: 10/28/2005 1421

Analysis Batch: 680-27556
 Prep Batch: 680-26661
 Units: mg/L

Method: 8270C
Preparation: 3520C
TCLP

Instrument ID: GC/MS SemiVolatiles - F
 Lab File ID: f1552.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume:

Analyte	Result	Qual	RL
Pentachlorophenol	0.050	U	0.050
Pyridine	0.050	U	0.050
2,4,5-Trichlorophenol	0.010	U	0.010
2,4,6-Trichlorophenol	0.010	U	0.010

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol	92	55 - 126
2-Fluorobiphenyl	78	59 - 103
2-Fluorophenol	84	56 - 100
Nitrobenzene-d5	83	60 - 102
Phenol-d5	81	55 - 104
Terphenyl-d14	85	10 - 154

Laboratory Control Sample - Batch: 680-26661

Lab Sample ID: LCS 680-26661/9-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 11/05/2005 1542
 Date Prepared: 10/28/2005 1421

Analysis Batch: 680-27556
 Prep Batch: 680-26661
 Units: mg/L

Method: 8270C
Preparation: 3520C
TCLP

Instrument ID: GC/MS SemiVolatiles - F
 Lab File ID: f1554.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 1 mL
 Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	0.100	0.052	52	40 - 92	
2,4-Dinitrotoluene	0.100	0.094	94	45 - 140	
Hexachloroethane	0.100	0.049	49	35 - 98	
Hexachlorobenzene	0.100	0.090	90	60 - 122	
Hexachlorobutadiene	0.100	0.071	71	43 - 109	
Nitrobenzene	0.100	0.082	82	57 - 110	
Pentachlorophenol	0.100	0.088	88	44 - 132	
Pyridine	0.100	0.056	56	10 - 178	
2,4,5-Trichlorophenol	0.100	0.092	92	62 - 119	
2,4,6-Trichlorophenol	0.100	0.084	84	61 - 118	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26784

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 680-26784/16-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/01/2005 0939
Date Prepared: 10/31/2005 1107

Analysis Batch: 680-26974
Prep Batch: 680-26784
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g2238.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	RL
Bis(2-chloroethyl)ether	330	U	330
2-Chlorophenol	330	U	330
1,2-Dichlorobenzene	330	U	330
Nitrobenzene	330	U	330
Isophorone	330	U	330
Hexachlorocyclopentadiene	330	U	330
Diethyl phthalate	330	U	330
Di-n-butyl phthalate	330	U	330
Butyl benzyl phthalate	330	U	330
Bis(2-ethylhexyl) phthalate	330	U	330
Di-n-octyl phthalate	330	U	330

Surrogate	% Rec	Acceptance Limits
Phenol-d5	79	38 - 102
2-Fluorophenol	81	36 - 101
2,4,6-Tribromophenol	76	27 - 124
Nitrobenzene-d5	76	33 - 94
2-Fluorobiphenyl	74	38 - 104
Terphenyl-d14	81	40 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Laboratory Control Sample - Batch: 680-26784

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 680-26784/17-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/01/2005 1334
Date Prepared: 10/31/2005 1107

Analysis Batch: 680-26974
Prep Batch: 680-26784
Units: ug/Kg

Instrument ID: GC/MS SemiVolatiles - G
Lab File ID: g2249.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bis(2-chloroethyl)ether	3330	2100	62	30 - 98	
2-Chlorophenol	3330	2300	68	36 - 99	
1,2-Dichlorobenzene	3330	2000	60	35 - 93	
Nitrobenzene	3330	2300	70	33 - 106	
Isophorone	3330	2300	70	37 - 106	
Hexachlorocyclopentadiene	3330	2900	87	20 - 109	
Diethyl phthalate	3330	2200	67	41 - 118	
Di-n-butyl phthalate	3330	2400	71	35 - 93	
Butyl benzyl phthalate	3330	2500	74	43 - 127	
Bis(2-ethylhexyl) phthalate	3330	2600	77	25 - 134	
Di-n-octyl phthalate	3330	2700	82	43 - 129	
Surrogate		% Rec		Acceptance Limits	
Phenol-d5		78		38 - 102	
2-Fluorophenol		80		36 - 101	
2,4,6-Tribromophenol		77		27 - 124	
Nitrobenzene-d5		77		33 - 94	
2-Fluorobiphenyl		72		38 - 104	
Terphenyl-d14		71		40 - 129	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-27851

**Method: 8270C
Preparation: 3520C
TCLP**

Lab Sample ID: MB 680-27851/6-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/13/2005 1954
Date Prepared: 11/09/2005 1503

Analysis Batch: 680-28227
Prep Batch: 680-27851
Units: mg/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t1089.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Result	Qual	RL
1,4-Dichlorobenzene	0.010	U	0.010
2,4-Dinitrotoluene	0.010	U	0.010
Hexachloroethane	0.010	U	0.010
Hexachlorobenzene	0.010	U	0.010
Hexachlorobutadiene	0.010	U	0.010
Methyl Phenols, Total	0.010	U	0.010
Nitrobenzene	0.010	U	0.010
Pentachlorophenol	0.050	U	0.050
Pyridine	0.050	U	0.050
2,4,5-Trichlorophenol	0.010	U	0.010
2,4,6-Trichlorophenol	0.010	U	0.010

Surrogate	% Rec		Acceptance Limits
2,4,6-Tribromophenol	43	*	55 - 126
2-Fluorobiphenyl	29	*	59 - 103
2-Fluorophenol	37	*	56 - 100
Nitrobenzene-d5	36	*	60 - 102
Phenol-d5	46	*	55 - 104
Terphenyl-d14	68		10 - 154

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Laboratory Control Sample - Batch: 680-27851

Method: 8270C
Preparation: 3520C
TCLP

Lab Sample ID: LCS 680-27851/7-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/13/2005 2025
Date Prepared: 11/09/2005 1503

Analysis Batch: 680-28227
Prep Batch: 680-27851
Units: mg/L

Instrument ID: GC/MS SemiVolatiles - T
Lab File ID: t1090.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,4-Dichlorobenzene	0.100	0.070	70	40 - 92	
2,4-Dinitrotoluene	0.100	0.093	93	45 - 140	
Hexachloroethane	0.100	0.067	67	35 - 98	
Hexachlorobenzene	0.100	0.091	91	60 - 122	
Hexachlorobutadiene	0.100	0.085	85	43 - 109	
Nitrobenzene	0.100	0.086	86	57 - 110	
Pentachlorophenol	0.100	0.093	93	44 - 132	
Pyridine	0.100	0.057	57	10 - 178	
2,4,5-Trichlorophenol	0.100	0.091	91	62 - 119	
2,4,6-Trichlorophenol	0.100	0.090	90	61 - 118	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-27553

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 680-27553/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/07/2005 1102
Date Prepared: N/A

Analysis Batch: 680-27553
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID1
Lab File ID: NV07G5.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
Butanol	1.0	U	1.0

Laboratory Control Sample - Batch: 680-27553

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 680-27553/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/07/2005 1502
Date Prepared: N/A

Analysis Batch: 680-27553
Prep Batch: N/A
Units: mg/Kg

Instrument ID: GC Volatiles - G FID1
Lab File ID: NV07G11.d
Initial Weight/Volume:
Final Weight/Volume: 1 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Butanol	50.0	54	109	50 - 150	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-27060

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: MB 680-27060/20-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2005 1107
Date Prepared: 11/02/2005 1148

Analysis Batch: 680-27534
Prep Batch: 680-27060
Units: ug/Kg

Instrument ID: GC SemiVolatiles - K
Lab File ID: knv06005.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
PCB-1016	33	U	33
PCB-1221	67	U	67
PCB-1232	33	U	33
PCB-1242	33	U	33
PCB-1248	33	U	33
PCB-1254	33	U	33
PCB-1260	33	U	33

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	80	30 - 150
DCB Decachlorobiphenyl	80	30 - 150

Laboratory Control Sample - Batch: 680-27060

Method: 8081A_8082
Preparation: 3550B

Lab Sample ID: LCS 680-27060/21-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/06/2005 1132
Date Prepared: 11/02/2005 1148

Analysis Batch: 680-27534
Prep Batch: 680-27060
Units: ug/Kg

Instrument ID: GC SemiVolatiles - K
Lab File ID: knv06006.d
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 10.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	333	400	121	34 - 128	
PCB-1260	333	440	131	28 - 168	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	99	30 - 150
DCB Decachlorobiphenyl	127	30 - 150

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26589

Lab Sample ID: MB 680-26514/5-B
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/31/2005 0249
 Date Prepared: 10/28/2005 0918
 Date Leached: 10/27/2005 1500

Analysis Batch: 680-26822
 Prep Batch: 680-26589
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: ICP/AES
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	0.20	U	0.20
Barium	1.0	U	1.0
Cadmium	0.10	U	0.10
Chromium	0.20	U	0.20
Lead	0.20	U	0.20
Selenium	0.50	U	0.50
Silver	0.10	U	0.10

Laboratory Control Sample - Batch: 680-26589

Lab Sample ID: LCS 680-26589/6-A
 Client Matrix: Solid
 Dilution: 1.0
 Date Analyzed: 10/31/2005 0254
 Date Prepared: 10/28/2005 0918

Analysis Batch: 680-26822
 Prep Batch: 680-26589
 Units: mg/L

**Method: 6010B
 Preparation: 3010A
 TCLP**

Instrument ID: ICP/AES
 Lab File ID: N/A
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	20.0	20	101	75 - 125	
Barium	20.0	20	100	75 - 125	
Cadmium	0.500	0.48	95	75 - 125	
Chromium	2.00	2.0	99	75 - 125	
Lead	5.00	5.0	99	75 - 125	
Selenium	20.0	20	99	75 - 125	
Silver	0.500	0.50	101	75 - 125	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26938

Lab Sample ID: MB 680-26938/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2005 1113
Date Prepared: 11/01/2005 1051

Analysis Batch: 680-27299
Prep Batch: 680-26938
Units: mg/L

Method: 7470A
Preparation: 7470A
TCLP

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Mercury	0.020	U	0.020

Laboratory Control Sample - Batch: 680-26938

Lab Sample ID: LCS 680-26938/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/03/2005 1116
Date Prepared: 11/01/2005 1051

Analysis Batch: 680-27299
Prep Batch: 680-26938
Units: mg/L

Method: 7470A
Preparation: 7470A
TCLP

Instrument ID: LEEMAN1
Lab File ID: N/A
Initial Weight/Volume: 0.50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.250	0.26	105	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26998

Method: 9014
Preparation: 7.3.3

Lab Sample ID: MB 680-26998/13-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2005 1405
Date Prepared: 10/31/2005 1145

Analysis Batch: 680-27005
Prep Batch: 680-26998
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL
Cyanide, Reactive	100	U	100

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
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Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-27854

Method: 9023
Preparation: N/A

Lab Sample ID: MB 680-27854/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2005 1230
Date Prepared: N/A

Analysis Batch: 680-27854
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2 g
Final Weight/Volume: 10 mL

Analyte	Result	Qual	RL
Halogen, Extractable Organic	10	U	10

Laboratory Control Sample - Batch: 680-27854

Method: 9023
Preparation: N/A

Lab Sample ID: LCS 680-27854/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 11/09/2005 1230
Date Prepared: N/A

Analysis Batch: 680-27854
Prep Batch: N/A
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 2 g
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Halogen, Extractable Organic	50.0	32	64	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-27012

Method: 9034
Preparation: 7.3.4

Lab Sample ID: MB 680-27012/14-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2005 1310
Date Prepared: 10/31/2005 1145

Analysis Batch: 680-27033
Prep Batch: 680-27012
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Result	Qual	RL
Sulfide, Reactive	50	U	50

Laboratory Control Sample - Batch: 680-27012

Method: 9034
Preparation: 7.3.4

Lab Sample ID: LCS 680-27012/15-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/31/2005 1310
Date Prepared: 10/31/2005 1145

Analysis Batch: 680-27033
Prep Batch: 680-27012
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 10.00 g
Final Weight/Volume: 250 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	2700	1800	65	40 - 100	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Laboratory Control Sample - Batch: 680-26674

Method: 9045C
Preparation: N/A

Lab Sample ID: LCS 680-26674/21
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/28/2005 1420
Date Prepared: N/A

Analysis Batch: 680-26674
Prep Batch: N/A
Units: SU

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 20 mL
Final Weight/Volume: 20 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
pH	7.00	7.00	100	63 - 158	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Quality Control Results

Client: Arcadis G & M

Job Number: 680-9779-1

Method Blank - Batch: 680-26566

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID: MB 680-26566/4-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/27/2005 1050
Date Prepared: 10/27/2005 1020

Analysis Batch: 680-26567
Prep Batch: 680-26566
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 100 mL

Analyte	Result	Qual	RL
Phenols, Total	1.0	U	1.0

Laboratory Control Sample - Batch: 680-26566

Method: 9065
Preparation: Distill/Phenol

Lab Sample ID: LCS 680-26566/5-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 10/27/2005 1050
Date Prepared: 10/27/2005 1020

Analysis Batch: 680-26567
Prep Batch: 680-26566
Units: mg/Kg

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenols, Total	5.00	4.4	88	60 - 140	

Calculations are performed before rounding to avoid round-off errors in calculated results.

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

April 05, 2006

ARCADIS G&M, Inc.
35 E. Wacker Drive, Suite 1000
Chicago, IL 60601
Telephone: (312) 263-6703
Fax: (312) 263-7897

RE: CI00664.0018.00003, North East Parcel WSW, Chicago

STAT Project No: 06030422

Dear Michele Gurgas:

STAT Analysis received 16 samples for the referenced project on 3/17/2006. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Craig Chawla

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: ARCADIS G&M, Inc.
Project: CI00664.0018.00003, North East Parcel WSW, Chicag
Lab Order: 06030422

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06030422-001A	NPSB-6		3/16/2006 9:10:00 AM	3/17/2006
06030422-002A	NPSB-1		3/16/2006 9:40:00 AM	3/17/2006
06030422-003A	NPSB-2		3/16/2006 10:30:00 AM	3/17/2006
06030422-004A	NPSB-3		3/16/2006 10:50:00 AM	3/17/2006
06030422-005A	NPSB-4		3/16/2006 11:40:00 AM	3/17/2006
06030422-006A	NPSB-5		3/16/2006 12:00:00 PM	3/17/2006
06030422-007A	NPSB-4E1		3/16/2006 12:25:00 PM	3/17/2006
06030422-008A	NPSB-3E1		3/16/2006 1:05:00 PM	3/17/2006
06030422-009A	NPSB-3N1		3/16/2006 1:25:00 PM	3/17/2006
06030422-010A	NPSB-7		3/16/2006 2:26:00 PM	3/17/2006
06030422-011A	NPSB-8		3/16/2006 3:32:00 PM	3/17/2006
06030422-012A	NPSB-7S1		3/16/2006 3:45:00 PM	3/17/2006
06030422-013A	NPSB-9		3/16/2006 4:06:00 PM	3/17/2006
06030422-014A	NPSB-10		3/16/2006 4:26:00 PM	3/17/2006
06030422-015A	NE-Standard			3/17/2006
06030422-016A	NPSB-3W1		3/16/2006 2:45:00 PM	3/17/2006

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 05, 2006

Date Printed: April 05, 2006

Client: ARCADIS G&M, Inc.

Project: CI00664.0018.00003, North East Parcel WSW, Chicago

Lab Order: 06030422

Lab ID: 06030422-001

Collection Date: 3/16/2006 9:10:00 AM

Client Sample ID: NPSB-6

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (NE)	SW8015M (SW3580A) 1400	55	*	mg/Kg-dry	1	Prep Date: 3/23/2006 Analyst: ERP 3/29/2006
Percent Moisture Percent Moisture	D2974 12.7	0.01	*	wt%	1	Prep Date: 3/21/2006 Analyst: ICD 3/22/2006

Lab ID: 06030422-002

Collection Date: 3/16/2006 9:40:00 AM

Client Sample ID: NPSB-1

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (NE)	SW8015M (SW3580A) 1900	62	*	mg/Kg-dry	1	Prep Date: 3/23/2006 Analyst: ERP 3/29/2006
Percent Moisture Percent Moisture	D2974 22.6	0.01	*	wt%	1	Prep Date: 3/21/2006 Analyst: ICD 3/22/2006

Lab ID: 06030422-003

Collection Date: 3/16/2006 10:30:00 AM

Client Sample ID: NPSB-2

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (NE)	SW8015M (SW3580A) 7700	60	*	mg/Kg-dry	1	Prep Date: 3/23/2006 Analyst: ERP 3/29/2006
Percent Moisture Percent Moisture	D2974 16.4	0.01	*	wt%	1	Prep Date: 3/21/2006 Analyst: ICD 3/22/2006

Lab ID: 06030422-004

Collection Date: 3/16/2006 10:50:00 AM

Client Sample ID: NPSB-3

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (NE)	SW8015M (SW3580A) 330000	5700	*	mg/Kg-dry	100	Prep Date: 3/23/2006 Analyst: ERP 3/29/2006
Percent Moisture Percent Moisture	D2974 14.8	0.01	*	wt%	1	Prep Date: 3/21/2006 Analyst: ICD 3/22/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 05, 2006

Date Printed: April 05, 2006

Client:	ARCADIS G&M, Inc.		Lab Order:	06030422		
Project:	CI00664.0018.00003, North East Parcel WSW, Chicago		Collection Date:	3/16/2006 11:40:00 AM		
Lab ID:	06030422-005		Matrix:	Soil		
Client Sample ID:	NPSB-4					
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	3/23/2006	Analyst:
TPH (NE)	300000	5600	*	mg/Kg-dry	100	3/29/2006
Percent Moisture	D2974			Prep Date:	3/21/2006	Analyst:
Percent Moisture	14.1	0.01	*	wt%	1	3/22/2006
Lab ID:	06030422-006		Collection Date:	3/16/2006 12:00:00 PM		
Client Sample ID:	NPSB-5		Matrix:	Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	3/23/2006	Analyst:
TPH (NE)	72000	1100	*	mg/Kg-dry	20	3/29/2006
Percent Moisture	D2974			Prep Date:	3/21/2006	Analyst:
Percent Moisture	12.7	0.01	*	wt%	1	3/22/2006
Lab ID:	06030422-007		Collection Date:	3/16/2006 12:25:00 PM		
Client Sample ID:	NPSB-4E1		Matrix:	Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	3/23/2006	Analyst:
TPH (NE)	580	61	*	mg/Kg-dry	1	3/29/2006
Percent Moisture	D2974			Prep Date:	3/21/2006	Analyst:
Percent Moisture	20.1	0.01	*	wt%	1	3/22/2006
Lab ID:	06030422-008		Collection Date:	3/16/2006 1:05:00 PM		
Client Sample ID:	NPSB-3E1		Matrix:	Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	3/23/2006	Analyst:
TPH (NE)	940	60	*	mg/Kg-dry	1	3/29/2006
Percent Moisture	D2974			Prep Date:	3/21/2006	Analyst:
Percent Moisture	19.9	0.01	*	wt%	1	3/22/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 05, 2006

Date Printed: April 05, 2006

Client: ARCADIS G&M, Inc.

Project: CI00664.0018.00003, North East Parcel WSW, Chicago

Lab Order: 06030422

Lab ID: 06030422-009

Collection Date: 3/16/2006 1:25:00 PM

Client Sample ID: NPSB-3N1

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)				Prep Date: 3/23/2006	Analyst: ERP
TPH (NE)	170000	5400	*	mg/Kg-dry	100	3/29/2006
Percent Moisture	D2974				Prep Date: 3/21/2006	Analyst: ICD
Percent Moisture	11.7	0.01	*	wt%	1	3/22/2006

Lab ID: 06030422-010

Collection Date: 3/16/2006 2:26:00 PM

Client Sample ID: NPSB-7

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)				Prep Date: 3/23/2006	Analyst: ERP
TPH (NE)	4500	54	*	mg/Kg-dry	1	3/31/2006
Percent Moisture	D2974				Prep Date: 3/21/2006	Analyst: ICD
Percent Moisture	13.4	0.01	*	wt%	1	3/22/2006

Lab ID: 06030422-011

Collection Date: 3/16/2006 3:32:00 PM

Client Sample ID: NPSB-8

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)				Prep Date: 3/23/2006	Analyst: ERP
TPH (NE)	160000	6000	*	mg/Kg-dry	100	3/31/2006
Percent Moisture	D2974				Prep Date: 3/21/2006	Analyst: ICD
Percent Moisture	18.8	0.01	*	wt%	1	3/22/2006

Lab ID: 06030422-012

Collection Date: 3/16/2006 3:45:00 PM

Client Sample ID: NPSB-7S1

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)				Prep Date: 3/23/2006	Analyst: ERP
TPH (NE)	160000	5900	*	mg/Kg-dry	100	3/31/2006
Percent Moisture	D2974				Prep Date: 3/21/2006	Analyst: ICD
Percent Moisture	16.8	0.01	*	wt%	1	3/22/2006

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 05, 2006

Date Printed: April 05, 2006

Client: ARCADIS G&M, Inc.

Project: CI00664.0018.00003, North East Parcel WSW, Chicago

Lab Order: 06030422

Lab ID: 06030422-013

Collection Date: 3/16/2006 4:06:00 PM

Client Sample ID: NPSB-9

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 3/23/2006	Analyst: ERP	
TPH (NE)	260000	5300	*	mg/Kg-dry	100	3/31/2006
Percent Moisture	D2974			Prep Date: 3/21/2006	Analyst: ICD	
Percent Moisture	9.46	0.01	*	wt%	1	3/22/2006

Lab ID: 06030422-014

Collection Date: 3/16/2006 4:26:00 PM

Client Sample ID: NPSB-10

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 3/23/2006	Analyst: ERP	
TPH (NE)	640	54	*	mg/Kg-dry	1	3/31/2006
Percent Moisture	D2974			Prep Date: 3/21/2006	Analyst: ICD	
Percent Moisture	14.7	0.01	*	wt%	1	3/22/2006

Lab ID: 06030422-015

Collection Date:

Client Sample ID: NE-Standard

Matrix: Sludge

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 3/23/2006	Analyst: ERP	
TPH (NE)	970000	21000	*	mg/Kg	100	3/31/2006

Lab ID: 06030422-016

Collection Date: 3/16/2006 2:45:00 PM

Client Sample ID: NPSB-3W1

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 3/23/2006	Analyst: ERP	
TPH (NE)	260000	5900	*	mg/Kg-dry	100	3/31/2006
Percent Moisture	D2974			Prep Date: 3/21/2006	Analyst: ICD	
Percent Moisture	17.7	0.01	*	wt%	1	3/22/2006

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

CHAIN OF CUSTODY RECORD

N^o: 812367 Page: 1 of 1

Company: <u>ARCADIS</u>							P.O. No.:			
Project Number: <u>CI00664018 0003</u>				Client Tracking No.:			<div style="transform: rotate(-45deg); font-weight: bold; font-size: 1.2em;">TPH 8015 GC/MS</div>			
Project Name: <u>NorthEast Percul WSW</u>									Quote No.:	
Project Location: <u>Chicago</u>										
Sampler(s): <u>Gr. K. Wright</u>										
Report To: <u>Michelle Gonzales</u>			Phone: <u>312-265-6703</u>							
			Fax:							
QC Level: <u>1</u> <u>2</u> <u>3</u> <u>4</u>			e-mail:					Turn Around: <u>5-days</u>		
Client Sample Number/Description:		Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	Results Needed: am/pm	
<u>NPSB-6</u>		<u>3/16/06</u>	<u>9:10</u>	<u>Soil</u>		<input checked="" type="checkbox"/>		<u>1</u>	Remarks: <u>1</u> Lab No.: <u>010</u>	
<u>NPSB-1</u>			<u>9:40</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>011</u>	
<u>NPSB-2</u>			<u>10:30</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>012</u>	
<u>NPSB-3</u>			<u>10:50</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>013</u>	
<u>NPSB-4</u>			<u>11:40</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>014</u>	
<u>NPSB-5</u>			<u>12:00</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>015</u>	
<u>NPSB-4CL</u>			<u>12:25</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>016</u>	
<u>NPSB-3CL</u>			<u>13:05</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>017</u>	
<u>NPSB-3N1</u>			<u>13:25</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>018</u>	
<u>NPSB-7</u>			<u>14:26</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>019</u>	
<u>NPSB-8</u>			<u>15:32</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>020</u>	
<u>NPSB-752</u>			<u>15:45</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>021</u>	
<u>NPSB-9</u>			<u>16:00</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>022</u>	
<u>NPSB-10</u>			<u>16:20</u>			<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>023</u>	
<u>NE Standard</u>				<u>Liquids</u>				<u>1</u>	Lab No.: <u>024</u>	
<u>NPSB-3 W1</u>		<u>3/14/06</u>	<u>14:45</u>	<u>Soil</u>		<input checked="" type="checkbox"/>		<u>1</u>	Lab No.: <u>015</u> <u>016</u>	
Relinquished by: (Signature) <u>[Signature]</u>		Date/Time: <u>3/16/06 1830</u>		Comments: <u>S. to spec. f.c. standard curve based from NE Standard provided. Analyze samples by TPH 8015 via GC/MS with option for obtaining fingerprint of by spec/sn 670: at a later date.</u>					Laboratory Work Order No.: <u>0030422</u>	
Received by: (Signature) <u>[Signature]</u>		Date/Time: <u>3/17/06 900</u>							Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Relinquished by: (Signature)		Date/Time:							Temperature: <u>4</u> °C	
Received by: (Signature)		Date/Time:							Preservation Code: A = None B = HNO ₃ C = NaOH	
Relinquished by: (Signature)		Date/Time:							D = H ₂ SO ₄ E = HCl F = 5035/EnCore G = Other	
Received by: (Signature)		Date/Time:								

Page 7 of 8

Sample Receipt Checklist

Client Name **ARCADIS**

Date and Time Received:

3/17/06

Work Order Number **06030422**

Received by: **CC**

Checklist completed by:

Jesus Cant
Signature Date **3/17/06**

Reviewed by:

CC
Initials Date **3/20/06**

Matrix:

Carrier name: Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **4 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

April 27, 2006

ARCADIS G&M, Inc.
35 E. Wacker Drive, Suite 1000
Chicago, IL 60601
Telephone: (312) 263-6703
Fax: (312) 263-7897

RE: CI664.18.3, Chicago, IL.

STAT Project No: 06040496

Dear Michele Gurgas:

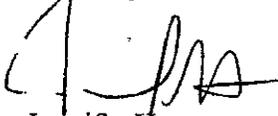
STAT Analysis received 5 samples for the referenced project on 4/20/2006. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Jennifer Hass

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: ARCADIS G&M, Inc.
Project: CI664.18.3, Chicago, IL.
Lab Order: 06040496

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06040496-001A	NPSB-11		4/20/2006 8:05:00 AM	4/20/2006
06040496-002A	NPSB-12		4/20/2006 8:35:00 AM	4/20/2006
06040496-003A	NPSB-13		4/20/2006 8:50:00 AM	4/20/2006
06040496-004A	NPSB-14		4/20/2006 9:30:00 AM	4/20/2006
06040496-005A	NPSB-15		4/20/2006 10:05:00 AM	4/20/2006

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 27, 2006

Date Printed: April 27, 2006

Client: ARCADIS G&M, Inc.

Project: CI664.18.3, Chicago, IL

Lab Order: 06040496

Lab ID: 06040496-001

Collection Date: 4/20/2006 8:05:00 AM

Client Sample ID: NPSB-11

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Total Petroleum Hydrocarbons TPH(NE)	SW8015M (SW3580A) 690	60	*	mg/Kg-dry	1	Prep Date: 4/25/2006 Analyst: ERP 4/26/2006
---	--------------------------	----	---	-----------	---	---

Percent Moisture Percent Moisture	D2974 18.7	0.01	*	wt%	1	Prep Date: 4/21/2006 Analyst: ICD 4/24/2006
--------------------------------------	---------------	------	---	-----	---	---

Lab ID: 06040496-002

Collection Date: 4/20/2006 8:35:00 AM

Client Sample ID: NPSB-12

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Total Petroleum Hydrocarbons TPH(NE)	SW8015M (SW3580A) 3000	58	*	mg/Kg-dry	1	Prep Date: 4/25/2006 Analyst: ERP 4/26/2006
---	---------------------------	----	---	-----------	---	---

Percent Moisture Percent Moisture	D2974 13.7	0.01	*	wt%	1	Prep Date: 4/21/2006 Analyst: ICD 4/24/2006
--------------------------------------	---------------	------	---	-----	---	---

Lab ID: 06040496-003

Collection Date: 4/20/2006 8:50:00 AM

Client Sample ID: NPSB-13

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Total Petroleum Hydrocarbons TPH(NE)	SW8015M (SW3580A) 2000	56	*	mg/Kg-dry	1	Prep Date: 4/25/2006 Analyst: ERP 4/26/2006
---	---------------------------	----	---	-----------	---	---

Percent Moisture Percent Moisture	D2974 14.0	0.01	*	wt%	1	Prep Date: 4/21/2006 Analyst: ICD 4/24/2006
--------------------------------------	---------------	------	---	-----	---	---

Lab ID: 06040496-004

Collection Date: 4/20/2006 9:30:00 AM

Client Sample ID: NPSB-14

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Total Petroleum Hydrocarbons TPH(NE)	SW8015M (SW3580A) 2100	53	*	mg/Kg-dry	1	Prep Date: 4/25/2006 Analyst: ERP 4/26/2006
---	---------------------------	----	---	-----------	---	---

Percent Moisture Percent Moisture	D2974 11.7	0.01	*	wt%	1	Prep Date: 4/21/2006 Analyst: ICD 4/24/2006
--------------------------------------	---------------	------	---	-----	---	---

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: April 27, 2006

Date Printed: April 27, 2006

Client: ARCADIS G&M, Inc.

Project: CI664.18.3, Chicago, IL.

Lab Order: 06040496

Lab ID: 06040496-005

Collection Date: 4/20/2006 10:05:00 AM

Client Sample ID: NPSB-15

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
----------	--------	----	-----------	-------	----	---------------

Total Petroleum Hydrocarbons

SW8015M (SW3580A)

Prep Date: 4/25/2006

Analyst: ERP

TPH(NE)

990

59

* mg/Kg-dry 1

4/26/2006

Percent Moisture

D2974

Prep Date: 4/21/2006

Analyst: ICD

Percent Moisture

20.5

0.01

* wt% 1

4/24/2006

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

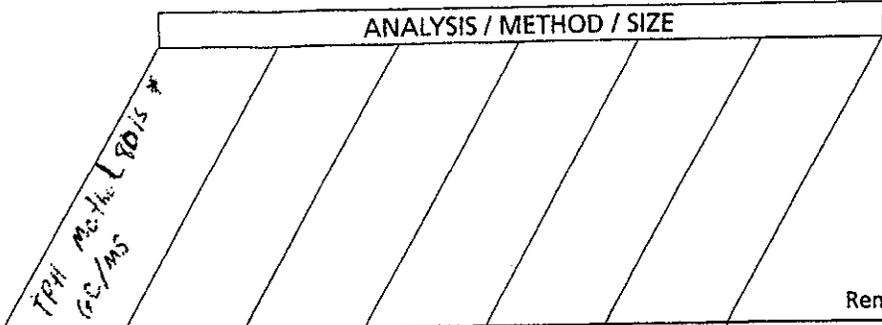
H - Holding time exceeded



Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORDPage 1 of 1

Project Number/Name CI664.193
 Project Location Chicago, IL
 Laboratory STAT
 Project Manager Michelle Georges
 Sampler(s)/Affiliation Gibbs/MS



Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE	Remarks	Total
NPSB-11	S	4/20/06 825	1		* Site specific standard	1 001
NPSB-12	S	855	1		curve based on	1 002
NPSB-13	S	850	1		NE Standard form	1 003
NPSB-14	S	730	1		3/17/06 samples	1 004
NPSB-15	S	1003	1		TPH Mc-Hic L 9015 * GC/MS	1 005
					with an option for obtaining fingerprinting by SVOC SW870C with a Letterhead. Could Michelle Georges for questions (312) 263-6703.	
Total No. of Bottles/Containers						5

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS</u>	Date: <u>4/20/06</u>	Time: _____	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>STAT</u>	Date: <u>4/20/06</u>	Time: <u>1455</u>	Yes No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Yes No N/A

Special Instructions/Remarks: _____

06040496
 Delivery Method: In Person Common Carrier Lab Courier Other _____

SPECIFY

SPECIFY

AG 05-12/01

Sample Receipt Checklist

Client Name **ARCADIS**

Date and Time Received:

4/20/2006

Work Order Number **06040496**

Received by: **JC**

Checklist completed by: *[Signature]* 4/20/06
Signature Date

Reviewed by: CZ 4/21/06
Initials Date

Matrix	Carrier name	<u>Client Delivered</u>	
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature 5 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by: _____
Water - Samples properly preserved?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____

Prep Start Date: 4/25/2006 11:25:03

Prep End Date: 4/27/2006 3:34:49 P

Prep Factor Units:

Prep Batch 20108 Prep Code: 3580 TPH Technician: JT

mL / Kg

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
MB-20108-TPH			0.005	0	0	5	1000.000	4/25/2006	4/25/2006
LCS-20108-TPH			0.005	0	0	5	1000.000	4/25/2006	4/25/2006
06040496-001A	Soil		0.00511	0	0	5	978.474	4/25/2006	4/25/2006
06040496-002A	Soil		0.00503	0	0	5	994.036	4/25/2006	4/25/2006
06040496-003A	Soil		0.00523	0	0	5	956.023	4/25/2006	4/25/2006
06040496-004A	Soil		0.00535	0	0	5	934.579	4/25/2006	4/25/2006
06040496-005A	Soil		0.00532	0	0	5	939.850	4/25/2006	4/25/2006
06040510-001B	Soil		0.00504	0	0	5	992.063	4/25/2006	4/25/2006
06040510-003B	Soil		0.00503	0	0	5	994.036	4/25/2006	4/25/2006
06040510-005B	Soil		0.00501	0	0	5	998.004	4/25/2006	4/25/2006
06040510-007B	Soil		0.00501	0	0	5	998.004	4/25/2006	4/25/2006
06040510-008B	Soil		0.00527	0	0	5	948.767	4/25/2006	4/25/2006
06040510-010B	Soil		0.00523	0	0	5	956.023	4/25/2006	4/25/2006
06040510-012B	Soil		0.0051	0	0	5	980.392	4/25/2006	4/25/2006
06040510-012BMS	Soil		0.00506	0	0	5	988.142	4/25/2006	4/25/2006
06040510-012BMSD	Soil		0.00513	0	0	5	974.659	4/25/2006	4/25/2006
06040548-001A	Sludge		0.00537	0	0	5	931.099	4/25/2006	4/25/2006
06040548-002A	Sludge		0.00533	0	0	5	938.086	4/25/2006	4/25/2006

CLIENT: ARCADIS G&M, Inc.
 Work Order: 06040496
 Project: CI664.18.3, Chicago, IL.

ANALYTICAL QC SUMMARY REPORT

BatchID: 20108

Sample ID	MB-20108-TPH	SampType:	MBLK	TestCode:	TPH	Units:	mg/Kg	Prep Date:	4/25/2006	Run ID:	GC-FID_060425A			
Client ID:	ZZZZZ	Batch ID:	20108	TestNo:	SW8015M			Analysis Date:	4/25/2006	SeqNo:	609116			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	ND	20												
TPH (Diesel)	ND	20												
TPH (Oil)	ND	20												*

Sample ID	LCS-20108-TPH	SampType:	LCS	TestCode:	TPH	Units:	mg/Kg	Prep Date:	4/25/2006	Run ID:	GC-FID_060425A			
Client ID:	ZZZZZ	Batch ID:	20108	TestNo:	SW8015M			Analysis Date:	4/25/2006	SeqNo:	609117			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	281	20	200	0	140	30	150	0	0					
TPH (Diesel)	191.8	20	200	0	95.9	30	150	0	0					
TPH (Oil)	237.5	20	200	0	119	30	150	0	0					*

Sample ID	06040510-012BMS	SampType:	MS	TestCode:	TPH	Units:	mg/Kg-dry	Prep Date:	4/25/2006	Run ID:	GC-FID_060425A			
Client ID:	ZZZZZ	Batch ID:	20108	TestNo:	SW8015M			Analysis Date:	4/25/2006	SeqNo:	609125			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	397.6	24	240.1	0	166	30	150	0	0					S
TPH (Diesel)	293.4	24	240.1	0	122	30	150	0	0					
TPH (Oil)	380.6	24	240.1	0	158	30	150	0	0					S*

Sample ID	06040510-012BMSD	SampType:	MSD	TestCode:	TPH	Units:	mg/Kg-dry	Prep Date:	4/25/2006	Run ID:	GC-FID_060425A			
Client ID:	ZZZZZ	Batch ID:	20108	TestNo:	SW8015M			Analysis Date:	4/26/2006	SeqNo:	609126			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

TPH (Gasoline)	357.8	24	236.9	0	151	30	150	397.6	10.5	25	S
TPH (Diesel)	261.4	24	236.9	0	110	30	150	293.4	11.5	25	
TPH (Oil)	335.3	24	236.9	0	142	30	150	380.6	12.7	25	*

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 * - Non Accredited Parameter
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 H/HT - Holding Time Exceeded
 B - Analyte detected in the associated Method Blank
 E - Value above quantitation range

CLIENT: ARCADIS G&M, Inc.
Work Order: 06040496
Project: CI664.18.3, Chicago, IL.

ANALYTICAL QC SUMMARY REPORT

BatchID: R25427

Sample ID	PMMBK3 4/21/06	SampType:	MBLK	TestCode:	PMOIST	Units:	wt%	Prep Date:	4/21/2006	Run ID:	BALANCE_060421C			
Client ID:	ZZZZZ	Batch ID:	R25427	TestNo:	D2974			Analysis Date:	4/24/2006	SeqNo:	607043			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	ND	0.0100												*
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Sample ID	PMLCS-S3 4/21/06	SampType:	LCS	TestCode:	PMOIST	Units:	wt%	Prep Date:	4/21/2006	Run ID:	BALANCE_060421C			
Client ID:	ZZZZZ	Batch ID:	R25427	TestNo:	D2974			Analysis Date:	4/24/2006	SeqNo:	607044			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	4.59	0.0100	5	0	91.8	80	120	0	0					*
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Sample ID	PMLCS-W3 4/21/06	SampType:	LCS	TestCode:	PMOIST	Units:	wt%	Prep Date:	4/21/2006	Run ID:	BALANCE_060421C			
Client ID:	ZZZZZ	Batch ID:	R25427	TestNo:	D2974			Analysis Date:	4/24/2006	SeqNo:	607045			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	99.8	0.0100	99.8	0	100	80	120	0	0					*
------------------	------	--------	------	---	-----	----	-----	---	---	--	--	--	--	---

Sample ID	06040484-005B DUP	SampType:	DUP	TestCode:	PMOIST	Units:	wt%	Prep Date:	4/21/2006	Run ID:	BALANCE_060421C			
Client ID:	ZZZZZ	Batch ID:	R25427	TestNo:	D2974			Analysis Date:	4/24/2006	SeqNo:	607046			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Percent Moisture	17.98	0.0100	0	0	0	0	0	18.11	0.720	20				*
------------------	-------	--------	---	---	---	---	---	-------	-------	----	--	--	--	---

Qualifiers: ND - Not Detected at the Reporting Limit J - Analyte detected below quantitation limits * - Non Accredited Parameter	S - Spike Recovery outside accepted recovery limits R - RPD outside accepted recovery limits H/HT - Holding Time Exceeded	B - Analyte detected in the associated Method Blank E - Value above quantitation range
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STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 26, 2006

ARCADIS G&M, Inc.

35 E. Wacker Drive, Suite 1000

Chicago, IL 60601

Telephone: (312) 263-6703

Fax: (312) 263-7897

RE: CI00664.0018.00003, Chicago, IL

STAT Project No: 06070115

Dear Michele Gurgas:

STAT Analysis received 8 samples for the referenced project on 7/6/2006. The analytical results are presented in the following report.

This report is revised to reflect additional analysis requested after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Craig Chawla

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: ARCADIS G&M, Inc.
Project: CI00664.0018.00003, Chicago, IL
Lab Order: 06070115

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06070115-001A	NPSB-16-3.0-4.0		7/6/2006 11:45:00 AM	7/6/2006
06070115-002A	NPSB-16-4.0-5.0		7/6/2006 9:56:00 AM	7/6/2006
06070115-003A	NPSB-16-5.0-6.0		7/6/2006 9:52:00 AM	7/6/2006
06070115-004A	NPSB-16-6.0-7.0		7/6/2006 9:54:00 AM	7/6/2006
06070115-005A	NPSB-16-7.0-8.0		7/6/2006 9:56:00 AM	7/6/2006
06070115-006A	NPSB-16-8.0-9.0		7/6/2006 9:58:00 AM	7/6/2006
06070115-007A	NPSB-16-9.0-10.0		7/6/2006 10:00:00 AM	7/6/2006
06070115-008A	Oil Standard		7/6/2006 11:15:00 AM	7/6/2006

CLIENT: ARCADIS G&M, Inc.
Project: CI00664.0018.00003, Chicago, IL
Lab Order: 06070115

CASE NARRATIVE

Results for TPH were quantitated using a client provided standard (Oil Standard (06070115-008)), and are expressed as TPH (Oil Standard). The Oil Standard was assumed to be 100% for calibration.

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 26, 2006

Date Printed: July 26, 2006

Client:	ARCADIS G&M, Inc.					
Project:	CI00664.0018.00003, Chicago, IL			Lab Order: 06070115		
Lab ID:	06070115-001			Collection Date: 7/6/2006 11:45:00 AM		
Client Sample ID:	NPSB-16-3.0-4.0			Matrix: Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006		Analyst: DCW
TPH (Oil Standard)	6600	21	H*	mg/Kg-dry	1	7/22/2006
Percent Moisture	D2974			Prep Date: 7/21/2006		Analyst: ICD
Percent Moisture	5.89	0.01	*	wt%	1	7/24/2006
Lab ID:	06070115-002			Collection Date: 7/6/2006 9:56:00 AM		
Client Sample ID:	NPSB-16-4.0-5.0			Matrix: Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/11/2006		Analyst: DCW
TPH (Oil Standard)	310000	2400	*	mg/Kg-dry	100	7/15/2006
Percent Moisture	D2974			Prep Date: 7/7/2006		Analyst: ICD
Percent Moisture	21.1	0.01	*	wt%	1	7/10/2006
Lab ID:	06070115-003			Collection Date: 7/6/2006 9:52:00 AM		
Client Sample ID:	NPSB-16-5.0-6.0			Matrix: Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/11/2006		Analyst: DCW
TPH (Oil Standard)	110000	950	*	mg/Kg-dry	50	7/15/2006
Percent Moisture	D2974			Prep Date: 7/7/2006		Analyst: ICD
Percent Moisture	11.5	0.01	*	wt%	1	7/10/2006
Lab ID:	06070115-004			Collection Date: 7/6/2006 9:54:00 AM		
Client Sample ID:	NPSB-16-6.0-7.0			Matrix: Soil		
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/11/2006		Analyst: DCW
TPH (Oil Standard)	220000	1900	*	mg/Kg-dry	100	7/15/2006
Percent Moisture	D2974			Prep Date: 7/7/2006		Analyst: ICD
Percent Moisture	8.96	0.01	*	wt%	1	7/10/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: July 26, 2006

Date Printed: July 26, 2006

Client: ARCADIS G&M, Inc.

Project: CI00664.0018.00003, Chicago, IL

Lab Order: 06070115

Lab ID: 06070115-005

Collection Date: 7/6/2006 9:56:00 AM

Client Sample ID: NPSB-16-7.0-8.0

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/11/2006		Analyst: DCW
TPH (Oil Standard)	300	24	*	mg/Kg-dry	1	7/18/2006
Percent Moisture	D2974			Prep Date: 7/7/2006		Analyst: ICD
Percent Moisture	20.7	0.01	*	wt%	1	7/10/2006

Lab ID: 06070115-006

Collection Date: 7/6/2006 9:58:00 AM

Client Sample ID: NPSB-16-8.0-9.0

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/11/2006		Analyst: DCW
TPH (Oil Standard)	2400	24	*	mg/Kg-dry	1	7/18/2006
Percent Moisture	D2974			Prep Date: 7/8/2006		Analyst: ICD
Percent Moisture	23.6	0.01	*	wt%	1	7/10/2006

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded



Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD Page 1 of 1Project Number/Name CIC06640018,0003Project Location Chicago, ILLaboratory STL SummitProject Manager Michelle GagnierSampler(s)/Affiliation Eric Knight/ARCADIS

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE				Remarks	Total
				TPH	Metals	GC/MS	GC/MS		
NPSB-16-3.0-4.0*	S.L	7/6/06 1145	001	X				*Contingent - Hold on analysis until after speaking with Michelle Gagnier (312) 425-4112.	1
NPSB-16-4.0-5.0	S.L	956	002	X					1
NPSB-16-5.0-6.0	S.L	952	003	X					1
NPSB-16-6.0-7.0	S.L	954	004	X					1
NPSB-16-7.0-8.0	S.L	956	005	X					1
NPSB-16-8.0-9.0	S.L	958	006	X					1
NPSB-16-9.0-10.0*	S.L	1000	007	X					1
C.L standard	Liquid	1115	008	**				** Site specific standard curve based from OIL standard provided analyze sample by TPH 8015 GC/MS with option for fingerprinting with a labor date.	1

Total No. of Bottles/Containers

Sample Matrix: L = Liquid; S = Solid; A = Air

Relinquished by: <u>Eric Knight</u>	Organization: <u>ARCADIS</u>	Date: <u>07/06/06</u>	Time: <u>7:15</u>	Seal Intact? Yes No <u>N/A</u>
Received by: <u>Michelle Gagnier</u>	Organization: <u>STAT</u>	Date: <u>7/6/06</u>	Time: <u>7:15p</u>	
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact? Yes No N/A
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	

Special Instructions/Remarks: Desire to contact Michelle Gagnier on the samples NPSB-16-3.0-4.0 and NPSB-16-9.0-10.0 to see if analysis is needed.Delivery Method: In Person Common Carrier FedEx Lab Courier Other _____

Page 6 of 8

SPECIFY

SPECIFY

AG 05-12/01

Sample Receipt Checklist

Client Name ARCADIS

Date and Time Received:

7/6/2006

Work Order Number 06070115

Received by: LB

Checklist completed by: Jesus Cat 7/6/06
Signature Date

Reviewed by: JZ 7/7/06
Initials Date

Matrix	Carrier name	Client Delivered		
Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>	
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels/containers?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Container or Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Temperature	5 °C
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
Water - Samples pH checked?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Checked by:	
Water - Samples properly preserved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	pH Adjusted?	

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

Jennifer Hass

From: Wright, Erik [RWright@arcadis-us.com]
Sent: Friday, July 21, 2006 10:15 AM
To: CChawla@STATAnalysis.com; JHass@STATAnalysis.com
Subject: Analyze sample NPSB-16-3.0-4.0

Craig/Jen,

Please run the soil sample NPSB-16-3.0-4.0 for TPH (Method 8015). The STAT Project number is 06070115.

Thanks,

R. Erik Wright
ARCADIS G&M, Inc.
35 E Wacker Drive, Suite 1000
Chicago, IL 60601
Direct: (312) 425-4108
Main: (312) 263-6703
Fax: (312) 263-7897
email: ewright@arcadis-us.com

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

July 26, 2006

ARCADIS G&M, Inc.
35 E. Wacker Drive, Suite 1000
Chicago, IL 60601
Telephone: (312) 263-6703
Fax: (312) 263-7897

RE: CI000664.0018.00005, Chicago, IL

STAT Project No: 06070525

Dear Michelle Gurgas:

STAT Analysis received 1 sample for the referenced project on 7/19/2006. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: ARCADIS G&M, Inc.
Project: CI000664.0018.00005, Chicago, IL
Lab Order: 06070525

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06070525-001A	NP-WD-01		7/19/2006	7/19/2006

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Report Date: July 26, 2006

Print Date: July 26, 2006

Client:	ARCADIS G&M, Inc.	Client Sample ID:	NP-WD-01
Lab Order:	06070525	Tag Number:	
Project:	CI000664.0018.00005, Chicago, IL	Collection Date:	7/19/2006
Lab ID:	06070525-001A	Matrix:	Sludge

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs in Solid						
	SW8082 (SW3580A)			Prep Date: 7/24/2006		Analyst: ERP
Aroclor 1016	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1221	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1232	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1242	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1248	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1254	ND	0.88		mg/Kg-dry	1	7/26/2006
Aroclor 1260	ND	0.88		mg/Kg-dry	1	7/26/2006
TCLP Mercury						
	SW1311/7470A			Prep Date: 7/21/2006		Analyst: JG
Mercury	ND	0.00025		mg/L	1	7/21/2006
TCLP Metals by ICP/MS						
	SW1311/6020 (SW3005A)			Prep Date: 7/21/2006		Analyst: JG
Arsenic	ND	0.01		mg/L	5	7/21/2006
Barium	0.32	0.02		mg/L	5	7/21/2006
Cadmium	ND	0.005		mg/L	5	7/21/2006
Chromium	ND	0.01		mg/L	5	7/21/2006
Lead	ND	0.005		mg/L	5	7/21/2006
Selenium	ND	0.01		mg/L	5	7/21/2006
Silver	ND	0.01		mg/L	5	7/21/2006
TCLP Semivolatile Organic Compounds						
	SW1311/8270C (SW3510C)			Prep Date: 7/25/2006		Analyst: JT
1,4-Dichlorobenzene	ND	0.01		mg/L	1	7/25/2006
2,4-Dinitrotoluene	ND	0.01		mg/L	1	7/25/2006
Hexachlorobenzene	ND	0.01		mg/L	1	7/25/2006
Hexachlorobutadiene	ND	0.01		mg/L	1	7/25/2006
Hexachloroethane	ND	0.01		mg/L	1	7/25/2006
Nitrobenzene	ND	0.01		mg/L	1	7/25/2006
2-methylphenol	ND	0.01		mg/L	1	7/25/2006
3- & 4-Methylphenol	ND	0.01		mg/L	1	7/25/2006
Pentachlorophenol	ND	0.05		mg/L	1	7/25/2006
Pyridine	ND	0.01		mg/L	1	7/25/2006
2,4,5-Trichlorophenol	ND	0.01		mg/L	1	7/25/2006
2,4,6-Trichlorophenol	ND	0.01		mg/L	1	7/25/2006
TCLP Volatile Organic Compounds by GC/MS						
	SW1311/8260B (SW5030B)			Prep Date: 7/24/2006		Analyst: PS
Benzene	ND	0.05		mg/L	10	7/25/2006
2-Butanone	ND	0.1		mg/L	10	7/25/2006
Carbon tetrachloride	ND	0.05		mg/L	10	7/25/2006
Chlorobenzene	ND	0.05		mg/L	10	7/25/2006
Chloroform	ND	0.05		mg/L	10	7/25/2006

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Report Date: July 26, 2006

Print Date: July 26, 2006

Client:	ARCADIS G&M, Inc.	Client Sample ID:	NP-WD-01
Lab Order:	06070525	Tag Number:	
Project:	CI000664.0018.00005, Chicago, IL	Collection Date:	7/19/2006
Lab ID:	06070525-001A	Matrix:	Sludge

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Volatile Organic Compounds by GC/MS	SW1311/8260B (SW5030B)		Prep Date: 7/24/2006		Analyst: PS	
1,2-Dichloroethane	ND	0.05		mg/L	10	7/25/2006
1,1-Dichloroethene	ND	0.05		mg/L	10	7/25/2006
Tetrachloroethene	ND	0.05		mg/L	10	7/25/2006
Trichloroethene	ND	0.05		mg/L	10	7/25/2006
Vinyl chloride	ND	0.05		mg/L	10	7/25/2006
Cyanide, Reactive	SW7.3.3.2		Prep Date: 7/24/2006		Analyst: YZ	
Reactive Cyanide	ND	1		mg/Kg	1	7/24/2006
Extractable Organic Halogens	SW9023		Prep Date: 7/20/2006		Analyst: YZ	
Extractable Organic Halogens	38	10	*	mg/Kg	1	7/20/2006
Flash Point (Open-Cup)	SW1010		Prep Date: 7/24/2006		Analyst: RW	
Flashpoint	No flash up to 212			°F	1	7/24/2006
pH (25 °C)	SW9045C		Prep Date: 7/20/2006		Analyst: RW	
pH	9.3			pH Units	1	7/20/2006
Phenolics	SW9066 (SW9065)		Prep Date: 7/24/2006		Analyst: YZ	
Phenolics, Total Recoverable	0.93	0.32		mg/Kg-dry	1	7/24/2006
Percent Moisture	D2974		Prep Date: 7/20/2006		Analyst: ICD	
Percent Moisture	23.0	0.01	*	wt%	1	7/21/2006
Sulfide, Reactive	SW7.3.4.2		Prep Date: 7/21/2006		Analyst: YZ	
Reactive Sulfide	ND	10		mg/Kg	1	7/21/2006

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

Sample Receipt Checklist

Client Name **ARCADIS**

Date and Time Received:

7/19/2006

Work Order Number **06070525**

Received by: **JC**

Checklist completed by:

Jesús C...
Signature

7/19/06
Date

Reviewed by:

JM
Initials

7/20/06
Date

Matrix Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **3 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by:
- Water - Samples properly preserved? Yes No pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

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August 02, 2006

ARCADIS G&M, Inc.
35 E. Wacker Drive, Suite 1000
Chicago, IL 60601
Telephone: (312) 263-6703
Fax: (312) 263-7897

RE: CI0064.0018.00003, Chicago, IL.

STAT Project No: 06070383

Dear Michelle Gurgas:

STAT Analysis received 37 samples for the referenced project on 7/14/2006. The analytical results are presented in the following report.

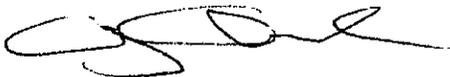
This report is revised to reflect additional analysis requested after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 563-0371.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: ARCADIS G&M, Inc.
Project: CI0064.0018.00003, Chicago, IL.
Lab Order: 06070383

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
06070383-001A	NPSB-18-2.0-3.0		7/14/2006 7:36:00 AM	7/14/2006
06070383-002A	NPSB-18-3.0-4.0		7/14/2006 7:38:00 AM	7/14/2006
06070383-003A	NPSB-18-4.0-5.0		7/14/2006 7:40:00 AM	7/14/2006
06070383-004A	NPSB-18-5.0-6.0		7/14/2006 7:42:00 AM	7/14/2006
06070383-005A	NPSB-18-6.0-7.0		7/14/2006 7:44:00 AM	7/14/2006
06070383-006A	NPSB-18-7.0-8.0		7/14/2006 7:46:00 AM	7/14/2006
06070383-007A	NPSB-17-2.0-3.0		7/14/2006 7:56:00 AM	7/14/2006
06070383-008A	NPSB-17-3.0-4.0		7/14/2006 7:58:00 AM	7/14/2006
06070383-009A	NPSB-17-4.0-5.0		7/14/2006 8:00:00 AM	7/14/2006
06070383-010A	NPSB-17-5.0-6.0		7/14/2006 8:02:00 AM	7/14/2006
06070383-011A	NPSB-17-6.0-7.0		7/14/2006 8:04:00 AM	7/14/2006
06070383-012A	NPSB-17-7.0-8.0		7/14/2006 8:06:00 AM	7/14/2006
06070383-013A	NPSB-17-8.0-9.0		7/14/2006 8:08:00 AM	7/14/2006
06070383-014A	NPSB-17-9.0-10.0		7/14/2006 8:10:00 AM	7/14/2006
06070383-015A	NPSB-17-10.0-11.0		7/14/2006 8:12:00 AM	7/14/2006
06070383-016A	NPSB-17-11.0-12.0		7/14/2006 8:14:00 AM	7/14/2006
06070383-017A	NPSB-19-3.0-4.0		7/14/2006 8:40:00 AM	7/14/2006
06070383-018A	NPSB-19-4.0-5.0		7/14/2006 8:42:00 AM	7/14/2006
06070383-019A	NPSB-19-5.0-6.0		7/14/2006 8:44:00 AM	7/14/2006
06070383-020A	NPSB-19-6.0-7.0		7/14/2006 8:46:00 AM	7/14/2006
06070383-021A	NPSB-19-7.0-8.0		7/14/2006 8:48:00 AM	7/14/2006
06070383-022A	Oil Standard 2		7/14/2006 9:00:00 AM	7/14/2006
06070383-023A	NPSB-20-3.0-4.0		7/14/2006 9:08:00 AM	7/14/2006
06070383-024A	NPSB-20-4.0-5.0		7/14/2006 9:10:00 AM	7/14/2006
06070383-025A	NPSB-20-5.0-6.0		7/14/2006 9:12:00 AM	7/14/2006
06070383-026A	NPSB-20-6.0-7.0		7/14/2006 9:14:00 AM	7/14/2006
06070383-027A	NPSB-20-7.0-8.0		7/14/2006 9:16:00 AM	7/14/2006
06070383-028A	NPSB-22-3.0-4.0		7/14/2006 9:36:00 AM	7/14/2006
06070383-029A	NPSB-22-4.0-5.0		7/14/2006 9:38:00 AM	7/14/2006
06070383-030A	NPSB-22-5.0-6.0		7/14/2006 9:40:00 AM	7/14/2006
06070383-031A	NPSB-22-6.0-7.0		7/14/2006 9:42:00 AM	7/14/2006
06070383-032A	NPSB-22-7.0-8.0		7/14/2006 9:44:00 AM	7/14/2006
06070383-033A	NPSB-21-3.0-4.0		7/14/2006 10:02:00 AM	7/14/2006
06070383-034A	NPSB-21-4.0-5.0		7/14/2006 10:04:00 AM	7/14/2006
06070383-035A	NPSB-21-5.0-6.0		7/14/2006 10:06:00 AM	7/14/2006
06070383-036A	NPSB-21-6.0-7.0		7/14/2006 10:08:00 AM	7/14/2006
06070383-037A	NPSB-21-7.0-8.0		7/14/2006 10:10:00 AM	7/14/2006

CLIENT: ARCADIS G&M, Inc.
Project: CI0064.0018.00003, Chicago, IL.
Lab Order: 06070383

CASE NARRATIVE

Results for TPH were quantitated using a client provided standard (Oil Standard 2 (06070115-022A)), and are expressed as TPH (Oil Standard 2). The Oil Standard was assumed to be 100% for calibration.

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client:	ARCADIS G&M, Inc.					
Project:	CI0064.0018.00003, Chicago, IL.			Lab Order:	06070383	
Lab ID:	06070383-001			Collection Date:	7/14/2006 7:36:00 AM	
Client Sample ID:	NPSB-18-2.0-3.0			Matrix:	Soil	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	7/28/2006	
TPH (Oil Standard 2)	24000	2000	*	mg/Kg-dry	100	Analyst: DCW 7/28/2006
Percent Moisture	D2974			Prep Date:	7/26/2006	
Percent Moisture	12.9	0.01	*	wt%	1	Analyst: ICD 7/27/2006
Lab ID:	06070383-002			Collection Date:	7/14/2006 7:38:00 AM	
Client Sample ID:	NPSB-18-3.0-4.0			Matrix:	Soil	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	7/18/2006	
TPH (Oil Standard 2)	110000	1100		mg/Kg-dry	50	Analyst: DCW 7/20/2006
Percent Moisture	D2974			Prep Date:	7/17/2006	
Percent Moisture	19.1	0.01	*	wt%	1	Analyst: ICD 7/18/2006
Lab ID:	06070383-003			Collection Date:	7/14/2006 7:40:00 AM	
Client Sample ID:	NPSB-18-4.0-5.0			Matrix:	Soil	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	7/18/2006	
TPH (Oil Standard 2)	23000	200		mg/Kg-dry	10	Analyst: DCW 7/20/2006
Percent Moisture	D2974			Prep Date:	7/17/2006	
Percent Moisture	15.5	0.01	*	wt%	1	Analyst: ICD 7/18/2006
Lab ID:	06070383-004			Collection Date:	7/14/2006 7:42:00 AM	
Client Sample ID:	NPSB-18-5.0-6.0			Matrix:	Soil	
Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date:	7/18/2006	
TPH (Oil Standard 2)	350000	2100	*	mg/Kg-dry	100	Analyst: DCW 7/20/2006
Percent Moisture	D2974			Prep Date:	7/17/2006	
Percent Moisture	11.1	0.01	*	wt%	1	Analyst: ICD 7/18/2006

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.
 Project: CI0064.0018.00003, Chicago, IL. Lab Order: 06070383

Lab ID: 06070383-005 Collection Date: 7/14/2006 7:44:00 AM
 Client Sample ID: NPSB-18-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (Oil Standard 2)	SW8015M (SW3580A) 440000	2100	*	mg/Kg-dry	100	Prep Date: 7/18/2006 Analyst: DCW 7/20/2006
Percent Moisture Percent Moisture	D2974 12.8	0.01	*	wt%	1	Prep Date: 7/17/2006 Analyst: ICD 7/18/2006

Lab ID: 06070383-006 Collection Date: 7/14/2006 7:46:00 AM
 Client Sample ID: NPSB-18-7.0-8.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (Oil Standard 2)	SW8015M (SW3580A) 26000	2100	*	mg/Kg-dry	100	Prep Date: 7/28/2006 Analyst: DCW 7/29/2006
Percent Moisture Percent Moisture	D2974 9.16	0.01	*	wt%	1	Prep Date: 7/26/2006 Analyst: ICD 7/27/2006

Lab ID: 06070383-007 Collection Date: 7/14/2006 7:56:00 AM
 Client Sample ID: NPSB-17-2.0-3.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (Oil Standard 2)	SW8015M (SW3580A) 48000	2100	*	mg/Kg-dry	100	Prep Date: 7/28/2006 Analyst: DCW 7/29/2006
Percent Moisture Percent Moisture	D2974 14.8	0.01	*	wt%	1	Prep Date: 7/26/2006 Analyst: ICD 7/27/2006

Lab ID: 06070383-008 Collection Date: 7/14/2006 7:58:00 AM
 Client Sample ID: NPSB-17-3.0-4.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons TPH (Oil Standard 2)	SW8015M (SW3580A) 360000	2000	*	mg/Kg-dry	100	Prep Date: 7/18/2006 Analyst: DCW 7/20/2006
Percent Moisture Percent Moisture	D2974 14.3	0.01	*	wt%	1	Prep Date: 7/17/2006 Analyst: ICD 7/18/2006

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter
 RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.
 Project: CI0064.0018.00003, Chicago, IL. Lab Order: 06070383

Lab ID: 06070383-009 Collection Date: 7/14/2006 8:00:00 AM
 Client Sample ID: NPSB-17-4.0-5.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/18/2006	Analyst: DCW	
TPH (Oil Standard 2)	420000	2000	*	mg/Kg-dry	100	7/20/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	14.5	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-010 Collection Date: 7/14/2006 8:02:00 AM
 Client Sample ID: NPSB-17-5.0-6.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/18/2006	Analyst: DCW	
TPH (Oil Standard 2)	320000	2200	*	mg/Kg-dry	100	7/20/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	13.0	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-011 Collection Date: 7/14/2006 8:04:00 AM
 Client Sample ID: NPSB-17-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/18/2006	Analyst: DCW	
TPH (Oil Standard 2)	120000	220	*	mg/Kg-dry	10	7/20/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	17.2	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-012 Collection Date: 7/14/2006 8:06:00 AM
 Client Sample ID: NPSB-17-7.0-8.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/18/2006	Analyst: DCW	
TPH (Oil Standard 2)	4900	21	*	mg/Kg-dry	1	7/20/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	14.2	0.01	*	wt%	1	7/18/2006

Qualifiers:
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 HT - Sample received past holding time
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RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.
 Project: CI0064.0018.00003, Chicago, IL. Lab Order: 06070383

Lab ID: 06070383-017 Collection Date: 7/14/2006 8:40:00 AM
 Client Sample ID: NPSB-19-3.0-4.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)					
TPH (Oil Standard 2)	28000	2500	*	mg/Kg-dry	100	7/29/2006
						Prep Date: 7/28/2006 Analyst: DCW
Percent Moisture	D2974					
Percent Moisture	21.1	0.01	*	wt%	1	7/27/2006
						Prep Date: 7/26/2006 Analyst: ICD

Lab ID: 06070383-018 Collection Date: 7/14/2006 8:42:00 AM
 Client Sample ID: NPSB-19-4.0-5.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)					
TPH (Oil Standard 2)	95000	200		mg/Kg-dry	10	7/20/2006
						Prep Date: 7/18/2006 Analyst: DCW
Percent Moisture	D2974					
Percent Moisture	8.41	0.01	*	wt%	1	7/18/2006
						Prep Date: 7/17/2006 Analyst: ICD

Lab ID: 06070383-019 Collection Date: 7/14/2006 8:44:00 AM
 Client Sample ID: NPSB-19-5.0-6.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)					
TPH (Oil Standard 2)	100000	2000	*	mg/Kg-dry	100	7/20/2006
						Prep Date: 7/18/2006 Analyst: DCW
Percent Moisture	D2974					
Percent Moisture	13.0	0.01	*	wt%	1	7/18/2006
						Prep Date: 7/17/2006 Analyst: ICD

Lab ID: 06070383-020 Collection Date: 7/14/2006 8:46:00 AM
 Client Sample ID: NPSB-19-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)					
TPH (Oil Standard 2)	26000	2400	*	mg/Kg-dry	100	7/29/2006
						Prep Date: 7/28/2006 Analyst: DCW
Percent Moisture	D2974					
Percent Moisture	16.7	0.01	*	wt%	1	7/27/2006
						Prep Date: 7/26/2006 Analyst: ICD

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.
 Project: CI0064.0018.00003, Chicago, IL. Lab Order: 06070383

Lab ID: 06070383-023 Collection Date: 7/14/2006 9:08:00 AM
 Client Sample ID: NPSB-20-3.0-4.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/28/2006	Analyst: DCW	
TPH (Oil Standard 2)	26000	2300	*	mg/Kg-dry 100		7/29/2006
Percent Moisture	D2974			Prep Date: 7/26/2006	Analyst: ICD	
Percent Moisture	18.0	0.01	*	wt% 1		7/27/2006

Lab ID: 06070383-024 Collection Date: 7/14/2006 9:10:00 AM
 Client Sample ID: NPSB-20-4.0-5.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006	Analyst: DCW	
TPH (Oil Standard 2)	470000	2300		mg/Kg-dry 100		7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	11.3	0.01	*	wt% 1		7/18/2006

Lab ID: 06070383-025 Collection Date: 7/14/2006 9:12:00 AM
 Client Sample ID: NPSB-20-5.0-6.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006	Analyst: DCW	
TPH (Oil Standard 2)	260000	2100		mg/Kg-dry 100		7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	9.16	0.01	*	wt% 1		7/18/2006

Lab ID: 06070383-026 Collection Date: 7/14/2006 9:14:00 AM
 Client Sample ID: NPSB-20-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006	Analyst: DCW	
TPH (Oil Standard 2)	26000	2300		mg/Kg-dry 100		7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006	Analyst: ICD	
Percent Moisture	21.3	0.01	*	wt% 1		7/18/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2255 West Harrison St., Suite B, Chicago, IL 60612-3505

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.
 Project: CI0064.0018.00003, Chicago, IL. Lab Order: 06070383

Lab ID: 06070383-030 Collection Date: 7/14/2006 9:40:00 AM
 Client Sample ID: NPSB-22-5.0-6.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006		Analyst: DCW
TPH (Oil Standard 2)	31000	2300		mg/Kg-dry	100	7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006		Analyst: ICD
Percent Moisture	17.6	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-031 Collection Date: 7/14/2006 9:42:00 AM
 Client Sample ID: NPSB-22-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006		Analyst: DCW
TPH (Oil Standard 2)	16000	2000		mg/Kg-dry	100	7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006		Analyst: ICD
Percent Moisture	10.6	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-035 Collection Date: 7/14/2006 10:06:00 AM
 Client Sample ID: NPSB-21-5.0-6.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006		Analyst: DCW
TPH (Oil Standard 2)	7600	23		mg/Kg-dry	1	7/24/2006
Percent Moisture	D2974			Prep Date: 7/17/2006		Analyst: ICD
Percent Moisture	17.2	0.01	*	wt%	1	7/18/2006

Lab ID: 06070383-036 Collection Date: 7/14/2006 10:08:00 AM
 Client Sample ID: NPSB-21-6.0-7.0 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)			Prep Date: 7/21/2006		Analyst: DCW
TPH (Oil Standard 2)	5900	21		mg/Kg-dry	1	7/25/2006
Percent Moisture	D2974			Prep Date: 7/17/2006		Analyst: ICD
Percent Moisture	13.8	0.01	*	wt%	1	7/18/2006

Qualifiers: ND - Not Detected at the Reporting Limit RL - Reporting / Quantitation Limit for the analysis
 J - Analyte detected below quantitation limits S - Spike Recovery outside accepted recovery limits
 B - Analyte detected in the associated Method Blank R - RPD outside accepted recovery limits
 HT - Sample received past holding time E - Value above quantitation range
 * - Non-accredited parameter H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: August 02, 2006

Date Printed: August 02, 2006

Client: ARCADIS G&M, Inc.

Project: CI0064.0018.00003, Chicago, IL.

Lab Order: 06070383

Lab ID: 06070383-037

Collection Date: 7/14/2006 10:10:00 AM

Client Sample ID: NPSB-21-7.0-8.0

Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Total Petroleum Hydrocarbons	SW8015M (SW3580A)				Prep Date: 7/21/2006	Analyst: DCW
TPH (Oil Standard 2)	570	46		mg/Kg-dry	1	7/24/2006
Percent Moisture	D2974				Prep Date: 7/17/2006	Analyst: ICD
Percent Moisture	57.8	0.01	*	wt%	1	7/18/2006

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

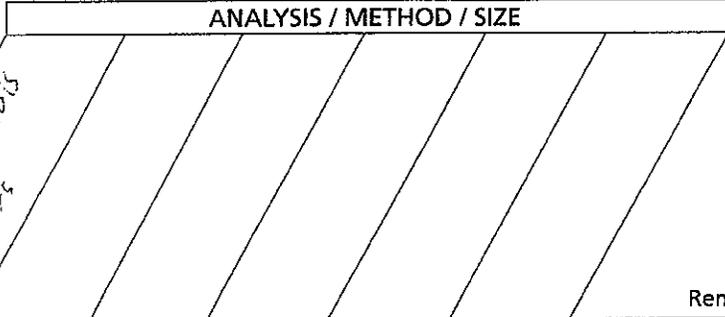
RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded



Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORDPage 2 of 3

Project Number/Name CT00667, 2018, page 3
 Project Location Chicago, IL
 Laboratory STAT
 Project Manager Michelle Guzman
 Sampler(s)/Affiliation Erik Knight/ARCADIS



Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	ANALYSIS / METHOD / SIZE	Remarks	Total
NPSB-17-11.0-12.2*	S/L	7/14/16 819	+		*Contingent - 46.0	1
NPSB-18-3.0-4.0*		840	+		for analysis	1
NPSB-40-50		842	+			1
NPSB-50-60		844	+		**Std specific	1
NPSB-60-70*		846	+		standards curve	1
NPSB-70-80*		848	+		based on O.L. standards	1
O.L. Standard II	Liquid	900	**		unsubstantiated analysis	1
NPSB-10-5.0-4.3*	S/L	908	+		samples by TPH	1
NPSB-10-9.0-5.0		910	+		8015 GC/MS with	1
NPSB-20-5.0-6.0		912	+		option for frequency analysis	1
NPSB-20-6.0-7.0		914	+		not a later date	1
NPSB-20-7.0-8.0*		916	+			1
NPSB-22-7.0-4.0*		936	+			1
NPSB-22-9.0-5.0*		938	+			1
NPSB-22-5.0-6.0		940	+			1

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/Containers 15

Relinquished by: <u>[Signature]</u>	Organization: <u>ARCADIS</u>	Date: <u>7/14/16</u>	Time: <u>1030</u>	Seal Intact?
Received by: <u>[Signature]</u>	Organization: <u>STAT</u>	Date: <u>7/14/16</u>	Time: <u>1230</u>	Yes No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Yes No N/A

Special Instructions/Remarks: _____

06070383

Delivery Method: In Person Common Carrier Lab Courier Other

Page 12 of 16

Sample Receipt Checklist

Client Name **ARCADIS**

Date and Time Received:

7/14/2006

Work Order Number **06070383**

Received by: **JC**

Checklist completed by:

James Cot 7/14/06
Signature Date

Reviewed by:

cc 7/25/06
Initials Date

Matrix Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **3 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by:
- Water - Samples properly preserved? Yes No pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

.....

.....

.....

Client / Person contacted:

Date contacted:

Contacted by:

Response:

.....

.....

.....

Craig

From: "Wright, Erik" <RWright@arcadis-us.com>
To: <CChawla@STATAnalysis.com>
Sent: Monday, July 17, 2006 10:52 AM
Attach: 06070383(Arcadis)COC.PDF
Subject: FW: CI0064.0018.00003, Chicago, IL. 06070383

Craig,

Yes, please include the '19' in the sample ID. Thanks for informing us, sorry for the confusion.

Thanks,
Erik

From: Gurgas, Michele
Sent: Monday, July 17, 2006 10:49 AM
To: Wright, Erik
Subject: FW: CI0064.0018.00003, Chicago, IL. 06070383

Can you take care of this and respond.
Thanks

Michele

From: Craig Chawla [mailto:CChawla@STATAnalysis.com]
Sent: Monday, July 17, 2006 10:38 AM
To: Gurgas, Michele
Subject: CI0064.0018.00003, Chicago, IL. 06070383

Michelle,

For project CI0064.0018.00003, Chicago, IL. received 7/14/06, on page 2 of 3 of the COC, the 3rd-6th samples listed are missing the '19' (boring designator). Do you want the '19' in the sample ID to be included in the final report. The COC is attached to this e-mail for your reference.

Craig Chawla
STAT Analysis Corporation
(312) 563-0371

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7/17/2006

Craig

From: "Wright, Erik" <RWright@arcadis-us.com>
To: <CChawla@STATAnalysis.com>; <JHass@STATAnalysis.com>
Cc: "Gurgas, Michele" <MGurgas@arcadis-us.com>
Sent: Wednesday, July 26, 2006 2:12 PM
Subject: Soil Samples on Hold need Analysis

Craig/Jennifer,

We need 6 soil samples analyzed for TPH on the Project Number CI00664.0018.00005. These samples were collected on 7/14/06, and we are about to exceed the 14-day holding period. The samples that need to be analyzed for TPH (with the Oil Standard 2 sample) are below:

NPSB-17-2.0-3.0 06070383-007
 NPSB-18-2.0-3.0 06070383-001
 NPSB-18-7.0-8.0 06070383-006
 NPSB-19-3.0-4.0 06070383-017
 NPSB-19-6.0-7.0 06070383-020
 NPSB-20-3.0-4.0 06070383-023

In addition, thanks for sending over the TPH soil sample results early today (STAT Project Number 06070383).

Thanks,

R. Erik Wright
 ARCADIS G&M, Inc.
 35 E Wacker Drive, Suite 1000
 Chicago, IL 60601
 Direct: (312) 425-4108
 Main: (312) 263-6703
 Fax: (312) 263-7897
 email: ewright@arcadis-us.com

8/1/2006